



**CUSTOM  
ENGINEERING**



# STAR

**A L U M I N I U M**

*Your Trusted Partner in*  
**Work Safety Solutions**



**•ALUMINIUM  
•STEEL  
•STAINLESS**



**1300 305 200**

**VIC: (03) 9587 5663**

**QLD: (07) 3555 5210**

**WA: (08) 6118 9442**

**NSW: (02) 8074 7147**

**SA: (08) 7333 3800**

**INT: +61 412 976 012**



**27+  
YEARS IN  
INDUSTRY**



**EDITION 01.2026**



**ISO  
9001:2015**

**LIFETIME  
STRUCTURAL  
WARRANTY**



## PIONEERING ACCESS SOLUTIONS

Established in 1999, Star Aluminium is a leading Australian manufacturer. We supply certified access solutions to both the local and international markets.

Our expert team is focused on designing exceptionally durable products that enhance workplace safety. We continuously innovate to suit our clients' evolving industry needs, ensuring all solutions are built to the highest quality and Australian standards.



## OUR SECTOR FOCUS

Star Aluminium has been the long-standing and trusted supplier of choice for 27 years. We successfully execute major projects across a diverse portfolio of critical industries, including:

- ✈ Defence
- ✈ Warehousing & Distribution
- ✈ Aviation
- ✈ Manufacturing
- ✈ Mining
- ✈ Maritime
- ✈ Oil, Gas & Energy
- ✈ Waste & Recycling
- ✈ Transport & Logistics
- ✈ Construction & Civil Projects
- ✈ Rail

## WE PROMISE YOU WITH

- ✈ ISO 9001:2015 Quality Management System
- ✈ The best material quality
- ✈ Dependable delivery schedules.
- ✈ Maximum structural integrity.
- ✈ Performance you can absolutely trust.
- ✈ Lifetime Structural Warranty

We stand behind every product we manufacture with verifiable assurances to safeguard your project investment.



**PROUDLY AUSTRALIAN OWNED & OPERATED**



### Contact Us Now

VIC: (03) 9587 5663  
 QLD: (07) 3555 5210  
 WA: (08) 6118 9442  
 NSW: (02) 8074 7147  
 SA: (08) 7333 3800  
 INT: +61 412 976 012



**SCAN ME FOR MORE**

## WHO WE PARTNER WITH

CONSTRUCTION & CIVIL PROJECTS

Fulton Hogan



Downer  
Relationships creating success



JOHN HOLLAND

TRANSPORT & LOGISTICS

ALSTOM



Progress Rail  
A Caterpillar Company



AVIATION



BOMBARDIER

DEFENCE & GOVERNMENT



MINING



RioTinto

ROY HILL

BHP

OIL, GAS & ENERGY



MANUFACTURER



## COMMITTED TO PERFORMANCE

At Star Aluminium, we deliver advanced work safety solutions engineered for strength and full compliance. Our goal is to create safer, more efficient workplaces. We truly specialise in engineered solutions. Our expert teams manage every stage, from concept to installation, ensuring guaranteed quality.

We firmly back all our systems with a lifetime structural warranty. This reflects our confidence in durability and provides our clients with genuine, long-term peace of mind. Our commitment is about blending technical expertise with a true dedication to lasting value.

Ali Aydin  
Director of Star Aluminium



## AWARDS & PROFESSIONAL RECOGNITION

Over the years, Star Aluminium has earned recognition across the trades, fabrication and manufacturing sectors for its commitment to quality, reliability and practical Australian-made solutions.

These acknowledgements reflect the steady work of our team, the leadership of Ali Aydin, and the values passed down from our family's early beginnings. From industry awards to community and business honours, each milestone reinforces our place within Australia's manufacturing landscape.

**2025**  
**HONOUREE**  
**BUSINESS ELITE AWARDS**  
**TOP 40 AUSTRALIA**

**2025**  
**WINNER**  
**FRANKSTON BUSINESS CHAMBER**  
**FBC BUSINESS EXCELLENCE AWARDS**  
**INNOVATION & TECHNOLOGY EXCELLENCE AWARD**

**2025**  
**FINALIST**  
**GREATER DANDENONG CHAMBER**  
**OF COMMERCE BUSINESS AWARDS**  
**MANUFACTURING AWARD**

**2025**  
**WINNER**  
**AUSTRALIAN TRADES SMALL**  
**BUSINESS CHAMPION AWARDS**  
**SMALL BUSINESS CHAMPION TRADES ENTREPRENEUR**

**2024**  
**WINNER**  
**AUSTRALIAN TRADES SMALL**  
**BUSINESS CHAMPION AWARDS**  
**METAL FABRICATION**

**2023**  
**WINNER**  
**AUSTRALIAN TRADES SMALL**  
**BUSINESS CHAMPION AWARDS**  
**SMALL BUSINESS CHAMPION TRADES ENTREPRENEUR**

**"IGNORE THE FEAR OF FAILURE. BUILD, TEST, AND REFINE WITH EVERYTHING YOU HAVE BECAUSE IN ENGINEERING, THE REAL FAILURE IS NEVER PUTTING THE DESIGN INTO PRODUCTION."**

**ALI AYDIN**



## THE JOURNEY CONTINUES

*CURRENT*

Driven by innovation, scale, and a commitment to safer workplaces.



## INTERNATIONAL GROWTH CARRUM DOWNS

*2025*

Star Aluminium begins operations at its new head office and main manufacturing facility in Carrum Downs. This milestone supports the company's continued national expansion and growing international reach, driving greater operational efficiency and increased production capacity.



## NATIONAL GROWTH

*2021–2024*

Star Aluminium gains strong national momentum. The team grows, project scale increases and the business earns recognition across multiple industries for its contribution to workplace access and safety.



## NEW CHAPTER - KEYSBOROUGH (VIC)

*2016*

The business moves into Keysborough to support increasing demand. Product capability broadens into modular platforms, tanker and truck access systems, stairs, ramps, scaffolds and specialised access equipment.



## THE BEGINNING - BRAESIDE

*1999*

Star Aluminium began as a small family workshop in Melbourne, guided by the experience of Yakup Akyuz, with Ali Aydin involved from the very beginning. With operations established in Braeside, the company entered a period of steady growth, focusing on the production of its core access solutions — work platforms, ladders, and custom aluminium systems.



BUSINESS ELITE AWARDS

# CUSTOM ENGINEERING SOLUTIONS

PROJECT-SPECIFIC DESIGN SUPPORT

**CUSTOM**  
DESIGN

## CUSTOM DESIGN

**Client Engagement:** Initial contact via phone or digital channels.

**Site Assessment:** Essential on-site worksite analysis and data capture.

**Engineering & Design:** Precise project blueprint creation utilising advanced 3D modelling software.

**PRECISE**  
MANUFACTURING

## PRECISE MANUFACTURING

**Compliance:** Production is strictly compliant with the highest Australian Standards.

**Quality Assurance:** Rigorous testing and final quality checks performed.

**RELIABLE**  
DELIVERY

## RELIABLE DELIVERY

**Packaging:** Flat-pack options optimised for minimal footprint and efficient transport.

**Logistics:** Transport facilitated via our company-owned fleet or secure freight partners.

**Timeliness:** Fast and guaranteed on-schedule delivery.

**INSTALLATION**

## INSTALLATION

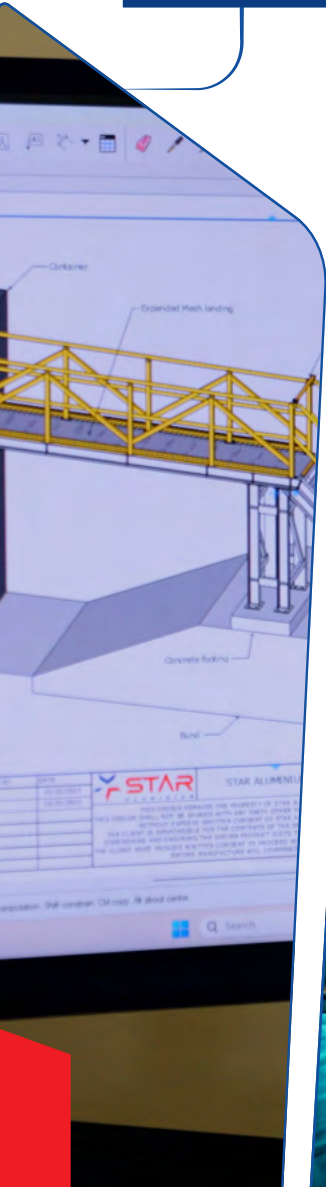
**Pre-Fabrication:** Solutions manufactured for straightforward and precise on-site installation.

**AFTER**  
SALES SERVICE

## AFTER SALES SERVICE

**Support Access:** Continuous post-sales support available upon request.

**Guarantee:** Backed by a lifetime structural warranty.



## DIGITAL INTEGRATION

Expand your reach to us instantly! Access our full range of solutions digitally via our website and social media platforms to start your journey towards safe and compliant access.

### CHOOSE YOUR SOLUTION

Scan this QR code to visit our website and browse through our products to identify your access solution.

### INITIAL INQUIRY

Send your project details to our sales team to initiate your inquiry.

### CALL BACK

Our team contacts you within 24 hours following our inquiry.

### FIELD RESEARCH

Our team may conduct on-site assessments to capture all necessary technical specifications for your requirements if necessary.

### ENGINEERING & DESIGN

Engineering team uses software integrating key data to create the precise blueprint for fabrication.

### FABRICATION

Engineered and approved design is manufactured with high quality material, compliant to highest standards.

### DELIVERY

We ensure safe and on-time delivery to the site using our own company-owned trucks or with reliable delivery partners.

### AFTER SALES

You can always reach us to request support. Enjoy lifetime structural guarantee.



SCAN ME  
FOR MORE

# TABLE OF CONTENTS

	<b>TRUCK SAFETY SOLUTIONS</b> <i>SECTION 01</i>	PG 8 - 14
	<b>WORK PLATFORM SOLUTIONS</b> <i>SECTION 02</i>	PG 15 - 42
	<b>CROSSOVER PLATFORMS</b> <i>SECTION 03</i>	PG 43 - 48
	<b>MODULAR ACCESS PLATFORMS</b> <i>SECTION 04</i>	PG 49 - 55
	<b>TANKER ACCESS SOLUTIONS</b> <i>SECTION 05</i>	PG 56 - 63
	<b>STAIRS AND RAMPS</b> <i>SECTION 06</i>	PG 64 - 81
	<b>LADDER SOLUTIONS</b> <i>SECTION 07</i>	PG 82 - 92
	<b>SPECIALISED ACCESS SOLUTIONS</b> <i>SECTION 08</i>	PG 93 - 100
	<b>MOBILE SCAFFOLD SOLUTIONS</b> <i>SECTION 09</i>	PG 101 - 102
	<b>SAFEZONE BARRIER</b> <i>SECTION 10</i>	PG 103 - 104



## TRUCK SAFETY SOLUTIONS SECTION 01

### TRUCK ACCESS PLATFORMS

DESIGNED FOR HEAVY VEHICLE MAINTENANCE, PREDOMINANTLY IN TRANSPORT AND LOGISTICS.

9

### TRUCK SAFETY SCREENS

ENGINEERED TO PROVIDE FALL PROTECTION AND SECURE BOUNDARIES FOR HEAVY VEHICLE LOADING AND MAINTENANCE OPERATIONS.

13



# TRUCK ACCESS PLATFORMS

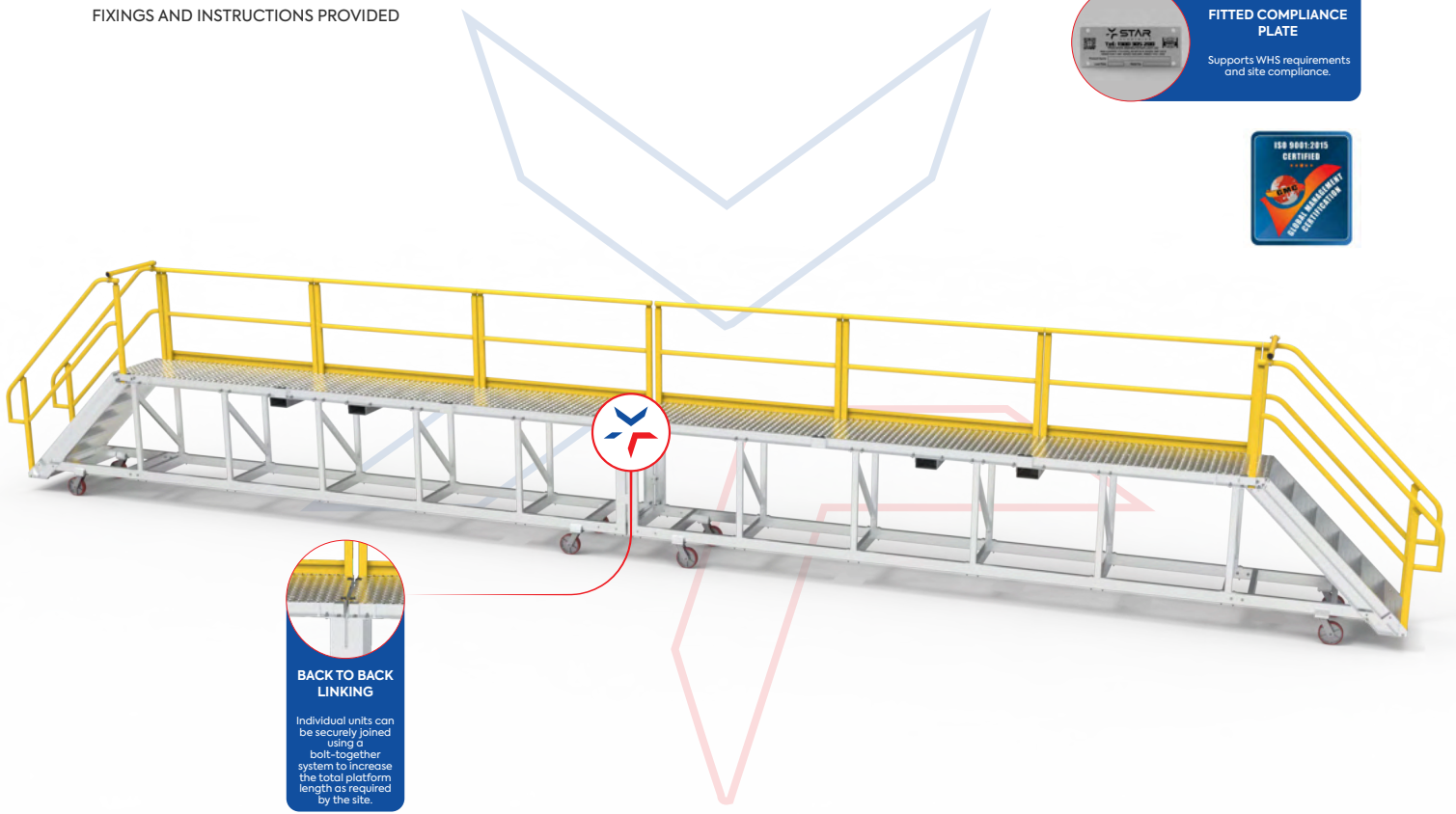
## TRUCK SAFETY SOLUTIONS

PRODUCT NAME	PLATFORM HEIGHT	HANDRAIL HEIGHT	PLATFORM AREA	APPROX. WEIGHT
2M TAP	1400 mm	1000 mm	2000 mm x 750 mm	128KG
4M TAP	1400 mm	1000 mm	4000 mm x 750 mm	173KG
6M TAP	1400 mm	1000 mm	5800 mm x 750 mm	250KG

- STAR TRUCK ACCESS PLATFORMS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY
- SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS
- MAJOR COMPONENTS FULLY WELDED: SIMPLE ON-SITE ASSEMBLY WITH TOOLS, FIXINGS AND INSTRUCTIONS PROVIDED

- EACH UNIT FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS
- BACKED BY A LIFETIME STRUCTURAL WARRANTY AND DESIGNED TO COMPLY WITH RELEVANT AUSTRALIAN STANDARDS

**FITTED COMPLIANCE PLATE**  
Supports WHS requirements and site compliance.



**BACK TO BACK LINKING**

Individual units can be securely joined using a bolt-together system to increase the total platform length as required by the site.



# TRUCK ACCESS PLATFORMS

## TRUCK SAFETY SOLUTIONS

**BOLT JOINING KIT**  
 Powder-coated safety rails  
 Enhanced visibility in loading zones

**BOOM ARM**  
 Removable safety arm for access  
 Lift out to enter, refit to close

**SAFETY YELLOW HANDRAILS**  
 Powder-coated safety rails  
 Enhanced visibility in loading zones



**SWIVEL LOCKABLE CASTORS**  
 Heavy-duty castors with brakes  
 Stable positioning during operation

**ANTI-SLIP CHECKER PLATE**  
 Slip-resistant checker plate surface  
 Secure footing during loading tasks

**FORKLIFT POCKETS**  
 Integrated crane lugs and pockets  
 Simple handling and site relocation

**LIFT POINTS**  
 Built-in attachment points allow the unit to be safely lifted and repositioned

**250 MM ANTI-SLIP TREADS**  
 Slip-resistant stair treads  
 Secure footing during ascent and descent

**SCAN ME FOR MORE**

**OPTIONAL**

- ANTI-SLIP BULL NOSING
- D BUMPERS
- GRID MESH DECK

- CUSTOM & EXTRA GUARDRAILS
- ALL-TERRAIN KIT

**FITTED COMPLIANCE PLATE**  
 Supports WHS requirements and site compliance.



A leading Australian steel manufacturer supplying a broad range of building materials for roofing, wall systems, rainwater management and structural applications. With an extensive national manufacturing footprint, the business supports major construction, infrastructure, mining, agricultural and residential sectors. Its operations combine large-scale production capability with locally supported supply, positioning the company as a trusted contributor to Australia's building materials industry.

## PROJECT USE-CASES

A STEEL MANUFACTURER

### PROJECT FOCUS

The project required a purpose-designed access solution to support safe and efficient loading operations and to address a range of site-specific operational requirements.

- ⊗ A secure system was required to manage steel transfers from semi-trucks safely.
- ⊗ The project aimed to minimise risks associated with manual handling and working at heights.
- ⊗ The solution had to match the 1400 mm height of standard semi-trailers perfectly.
- ⊗ The system needed to accommodate the heavy weight and dimensions of industrial steel products.
- ⊗ Creating a seamless process was essential to prevent bottlenecks during the loading cycle.
- ⊗ Meeting strict industrial safety requirements was a priority to ensure total worker protection.



## THE ENGINEERED SOLUTION

The solution provides clear operational efficiencies and long-term commercial value, including:

- ⊗ A 6-meter access platform provides extensive reach and stable movement along the vehicle.
- ⊗ Fixed height engineering at 1400 mm ensures a perfect flush fit with semi-trailers.
- ⊗ High-strength aluminium construction withstands demanding daily operations.
- ⊗ Non-slip flooring and full-surround guardrails provide maximum protection for operators.

## THE COMMERCIAL ADVANTAGE

This engineered solution delivers significant operational and financial benefits:

- ⊗ Workplace injury risks and fall accidents are drastically reduced.
- ⊗ Faster loading and unloading cycles increase the daily shipment capacity.
- ⊗ Optimised procedures keep the transport fleet moving without interruption.
- ⊗ High-grade materials ensure low maintenance costs and a long service life.
- ⊗ The success of this platform provides a foundation for future safety upgrades across the site.



# SITE APPLICATIONS



TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER

# TRUCK SAFETY SCREENS

## TRUCK SAFETY SOLUTIONS

-  STAR TRUCK SAFETY SCREENS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY
-  CUSTOMISABLE VERSATILE DESIGN
-  EASY TO CARRY WITH LOCKING CASTORS
-  LOCKABLE WHEELS AND LOCKABLE CHAINS
-  SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS FOR INTERSTATE AND OVERSEAS DELIVERIES
-  BACKED BY A LIFETIME STRUCTURAL WARRANTY AND DESIGNED TO COMPLY WITH RELEVANT AUSTRALIAN STANDARDS



# TRUCK SAFETY SCREENS

TRUCK SAFETY SOLUTIONS



3 meters

2.5 meters

**3 M x 2.5 M SAFETY SCREEN KIT**  
 Standard screen configuration designed for safe movement and reliable edge protection during loading operations.

**SWIVEL LOCKABLE WHEELS**  
 Heavy-duty castors enable quick positioning around trucks and loading zones, with lockable wheels ensuring stability and preventing movement in high-traffic areas.

**LOCKABLE CHAINS**  
 Integrated chains anchor the barrier to trailers to stop gaps or movement.



**SCAN ME FOR MORE**



SCAN ME FOR MORE

## WORK PLATFORM SOLUTIONS SECTION 02

### ISO 9001:2015 QUALITY CERTIFIED

INTERNATIONALLY RECOGNISED QUALITY SYSTEMS ENSURING CONSISTENT EXCELLENCE, RIGOROUS SAFETY STANDARDS, AND FULL TRACEABILITY FROM DESIGN TO DELIVERY.

16

### WORK PLATFORM LADDERS

VERSATILE PLATFORM ACCESS SYSTEMS DESIGNED TO SUPPORT MAINTENANCE, SERVICING AND INSPECTION TASKS ACROSS A WIDE RANGE OF INDUSTRIAL ENVIRONMENTS.

17

### ADJUSTABLE WORK PLATFORMS

HEIGHT-ADJUSTABLE ACCESS SOLUTIONS SUITED TO VARIABLE WORK ENVIRONMENTS AND CHANGING OPERATIONAL REQUIREMENTS.

21

### CANTILEVER WORK PLATFORMS

EXTENDED REACH ACCESS SYSTEMS ENABLING EFFICIENT SERVICING WHERE OBSTRUCTIONS LIMIT DIRECT PLATFORM PLACEMENT.

25

### STARRISE ADJUSTABLE WORK PLATFORMS

HIGH-PERFORMANCE ADJUSTABLE PLATFORMS ENGINEERED FOR FREQUENT USE IN DEMANDING MAINTENANCE APPLICATIONS.

29

### STAIR PLATFORMS

MODULAR STAIR ACCESS SYSTEMS DELIVERING STABLE, REPEATABLE ACCESS FOR MAINTENANCE AND AT-HEIGHT TASKS.

33

### ORDER PICKERS

MOBILE ACCESS SOLUTIONS ARE DESIGNED TO SUPPORT SAFE AND EFFICIENT PICKING OPERATIONS WITHIN WAREHOUSING ENVIRONMENTS.

37

### MCGRATH FOUNDATION

EXCLUSIVE PINK-FINISH ACCESS SOLUTIONS DESIGNED TO SUPPORT BREAST CANCER NURSING SERVICES THROUGH DIRECT REVENUE CONTRIBUTIONS PER UNIT SOLD.

40

### FOLDING PLATFORMS

COMPACT, FOLDABLE ACCESS PLATFORMS OPTIMISED FOR RAPID DEPLOYMENT, TRANSPORT AND STORAGE EFFICIENCY.

41

# ISO 9001:2015 QUALITY CERTIFIED: THE STAR STANDARD

At Star Aluminium, quality isn't just a buzzword; it's engineered into everything we build. Our ISO 9001:2015 certification is an internationally recognized testament to our rigorous quality management systems. For our clients in high-risk industries like mining and construction, this means peace of mind knowing every platform, ramp, and gangway is manufactured to the highest consistent standards, backed by traceable processes from design to delivery.



### CONSISTENT EXCELLENCE

We don't rely on guesswork. Our standardised manufacturing ensures every product meets exact specifications, reducing on-site fitment issues and delivering consistent, trusted performance—order after order.



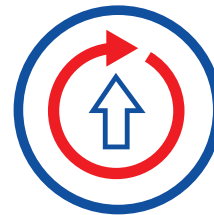
### ENHANCED SAFETY & RISK MANAGEMENT

Safety is paramount in the sectors we serve. Our ISO framework aligns with Australian WHS regulations, tracking materials, welds, and compliance to proactively manage risk and protect your most valuable asset: your people.



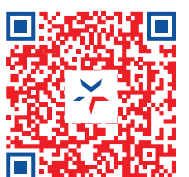
### PROVEN RELIABILITY

Our certification proves the strength of our operations. Partnering with Star Aluminium means choosing audited systems, durable equipment built for harsh industrial environments, and the confidence of our Structural Lifetime Warranty.



### CONTINUOUS IMPROVEMENT

ISO 9001:2015 demands ongoing optimisation. We continually use client feedback and operational data to refine our methods, delivering smarter designs, more efficient production, and superior service.



SCAN ME FOR MORE

# WORK PLATFORM LADDERS

## WORK PLATFORM SOLUTIONS

PRODUCT NAME	PLATFORM HEIGHT	PLATFORM AREA	TOTAL BASE LENGTH	APPROX. WEIGHT
STAR P2'	600 mm	750 x 900 mm	1200 mm	40KG
STAR P3'	900 mm	750 x 900 mm	1300 mm	55KG
STAR P4'	1200 mm	750 x 900 mm	1400 mm	60KG
STAR P1400'	1400 mm	750 x 900 mm	1487 mm	70KG
STAR P5'	1500 mm	750 x 900 mm	1529 mm	72KG
STAR P6'	1800 mm	750 x 900 mm	1653 mm	80KG
STAR P7'	2100 mm	900 x 900 mm	1777 mm	90KG
STAR P8'	2400 mm	900 x 900 mm	1920 mm	100KG
STAR P9'	2700 mm	900 x 900 mm	2026 mm	125KG
STAR P10'	3000 mm	1000 x 1000 mm	2236 mm	135KG
STAR P11'	3300 mm	1000 x 1000 mm	2360 mm	145KG
STAR P12'	3600 mm	1000 x 1000 mm	2484 mm	155KG

- HEAVY-DUTY STAR WORK PLATFORMS, MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY
- SAFETY KICKBOARDS ON THREE SIDES TO HELP PREVENT TOOLS AND MATERIALS FROM FALLING
- SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS
- MAJOR COMPONENTS FULLY WELDED; SIMPLE ON-SITE ASSEMBLY WITH TOOLS, FIXINGS AND INSTRUCTIONS PROVIDED
- EACH UNIT FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS
- BACKED BY A LIFETIME STRUCTURAL WARRANTY

**AUSTRALIAN**  
OWNED & OPERATED

**27+ YEARS IN**  
BUSINESS

**STRUCTURAL**  
LIFETIME WARRANTY

**MANUFACTURED**  
TO AS/NZS STANDARDS

**450 KG**  
LOAD RATING

**CUSTOM DESIGN**  
AVAILABLE



THE MAXIMUM COMPRESSION FORCE OBTAINED DURING LOAD TESTING OF THE STAR WORK/LADDER PLATFORM "LP1200MM" WAS RECORDED TO BE 74.9KN (7,637KG = 7.6 TONNES)



# WORK PLATFORM LADDERS

## WORK PLATFORM SOLUTIONS

TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER



**SECURE REAR GATE**  
Ensures easy access and keeps the platform enclosed during use.

**BOOM ARM**  
The hinged boom arm opens for safe ladder access.

**ANTI-SLIP CHECKER PLATE**  
Slip-resistant checker-plate surface. Secure footing during loading tasks.

**SAFETY YELLOW HANDRAILS**  
Powder-coated aluminium handrails provide clear visual guidance at ladder access points, improving edge awareness and user safety during ascent, descent and platform use.

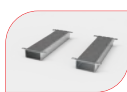
**PUSH-LOCK STABILISING MECHANISM**  
A slide-out stabilising arm extends and retracts to lock the work platform ladder firmly to the ground, improving stability during use and retracting easily for relocation.

**RUBBER STABILISING FEET**  
Slip resistant rubber foot pads provide secure ground contact.

**RETRACTABLE WHEEL SYSTEM**  
Retractable wheels on 900 mm to 3.6 m models and a four-wheel kit on the 600 mm version simplify moves.

**100 MM ANTI SLIP TREADS**  
Slip-resistant aluminium ladder treads ensure secure footing and stability, even in wet or dusty conditions.

**OPTIONAL**



**FORKLIFT POCKETS**



**EXTRA SAFETY BOOM ARMS (13 MM)**



**ALL-TERRAIN KIT**



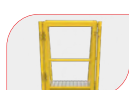
**GRID MESH DECK**



**SET OF PLATFORM WINGS**



**ANTI SLIP BULL NOSING**



**RHS/LHS SIDE GATE ACCESS**



**D BUMPERS**



**FITTED COMPLIANCE PLATE**  
Supports WHS requirements and site compliance.

**SCAN ME FOR MORE**



A specialist aviation maintenance and engineering organisation delivering high-precision servicing across a range of aircraft types. Operations focus on maintaining safety, reliability and operational readiness through advanced maintenance procedures, including access to complex areas such as tailplanes and engine bays. The organisation supports ongoing flight operations by maintaining strict safety standards and performance requirements across global maintenance programs.

## PROJECT USE-CASES

AN AVIATION MAINTENANCE PROVIDER

### PROJECT FOCUS

The project addressed specialised height-access requirements within an aviation maintenance environment, with engineered systems specified to support safe and reliable aircraft servicing under demanding operational conditions.

- ✘ A reliable system was requested to provide safe and stable access to the tailplane sections of various aircraft.
- ✘ Specialised equipment was required to allow maintenance personnel to reach engine bays efficiently for inspections.
- ✘ The facility sought to improve overall productivity by ensuring workers had secure platforms for high-precision technical tasks.
- ✘ Minimising fall risks during high-level maintenance was identified as the top priority for the operation.
- ✘ The project focused on streamlining the maintenance workflow by utilizing platforms specifically designed for aviation environments.

## THE COMMERCIAL ADVANTAGE

The implementation of these specialised platforms resulted in measurable improvements for the maintenance facility:

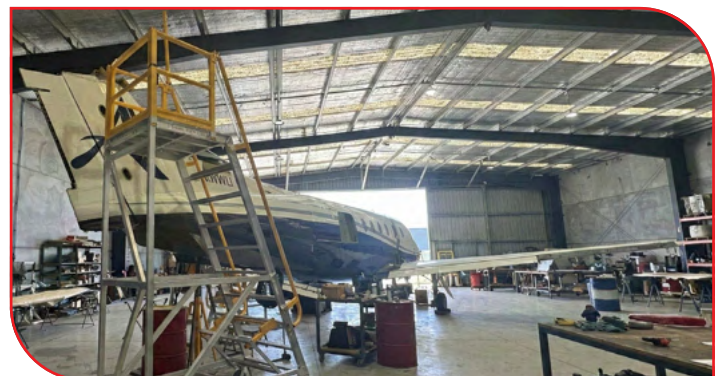
- ✘ Workplace safety standards were elevated, leading to a safer environment for technical staff.
- ✘ Operational productivity increased due to faster and more secure access to critical aircraft components.
- ✘ Maintenance downtime was significantly reduced through the use of purpose-built equipment.
- ✘ High-quality aluminium construction ensures long-term durability and low equipment maintenance costs.
- ✘ The streamlined access provided by these platforms allowed for more efficient service delivery and overall excellence in maintenance operations.



## THE ENGINEERED SOLUTION

Two distinct engineered platforms were delivered to meet the specific technical demands of aircraft maintenance:

- ✘ The P10 ladder platform was engineered to facilitate safe and reliable access to tailplane areas.
- ✘ The P3 ladder platform was designed specifically for optimal reach into engine bays during technical inspections.
- ✘ Both platforms feature high-strength construction to ensure zero-movement stability during sensitive technical work.
- ✘ The ergonomic designs allow maintenance personnel to perform complex tasks without the physical strain associated with standard ladder systems.





Macquarie Educational Tours is a premier Australian travel company specialising in school trips and learning experiences. With a modern fleet of high-capacity coaches, the organisation provides safe and reliable transport for students and educators across the country. The company has a strong reputation for operational excellence by prioritising fleet maintenance and passenger safety. With a dedicated depot and maintenance team, Macquarie Educational Tours is a leader in educational travel.

## PROJECT USE-CASES

### MACQUARIE EDUCATIONAL TOURS

## PROJECT FOCUS

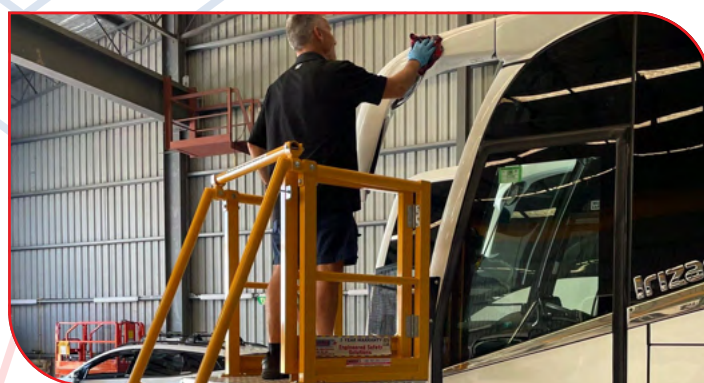
The project was initiated by the Coach Operations Manager to resolve specific safety and efficiency gaps in the fleet maintenance process. Several operational challenges were addressed during the selection phase:

- ⊗ A safe, easy way was required to get to the higher parts of the buses, especially for cleaning the front windows.
- ⊗ The maintenance crew found that regular ladders weren't safe, and the scissor lifts they had were too slow for quick, everyday cleaning jobs.
- ⊗ The facility needed a top-notch solution that met strict safety rules.
- ⊗ The project's goal was to develop a safe platform that lets technicians work hands-free at high elevations.
- ⊗ A main goal was to increase vehicle maintenance and lower physical risks for drivers and depot workers.

## THE COMMERCIAL ADVANTAGE

Implementing the Star P5 platform ladder has delivered immediate improvements to the maintenance workflow at Macquarie Educational Tours:

- ⊗ Maintenance efficiency has increased significantly, as windscreens can now be cleaned faster and more thoroughly than with previous methods.
- ⊗ Workplace safety has been greatly enhanced by replacing non-compliant equipment with a secure, stable platform.
- ⊗ Positive feedback from the depot team and coach drivers confirms that the user-friendly design has improved daily operations.
- ⊗ The competitive pricing and high build quality of the solution provided a significant return on investment for the workshop.
- ⊗ This partnership underscores the importance of utilising specialised height-access tools to maintain service excellence and staff safety in the transport industry.



## THE ENGINEERED SOLUTION

After extensive market research, the Star P5 platform ladder was selected for its superior build quality and safety features:

- ⊗ The P5 platform ladder provides a robust and secure working area at the ideal height for coach windscreen maintenance.
- ⊗ A high load capacity and industrial-grade construction ensure the unit remains stable during heavy-duty workshop use.
- ⊗ The design features an easy-to-maneuvre frame, allowing coach drivers and depot staff to move and store the equipment with minimal effort.
- ⊗ The integrated platform allows personnel to feel secure and stable, providing the confidence to perform detailed cleaning and repairs.
- ⊗ The equipment was engineered to meet high safety benchmarks, surpassing other competitive products in construction and ease of use.

# ADJUSTABLE WORK PLATFORMS

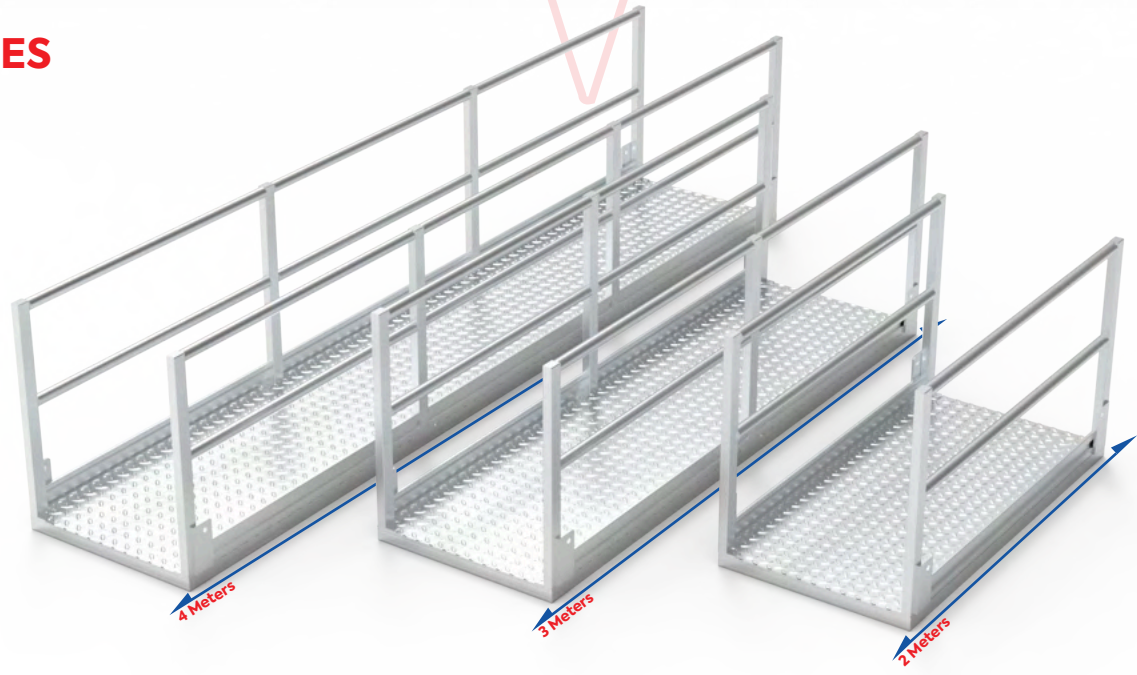
## WORK PLATFORM SOLUTIONS

PRODUCT NAME	PLATFORM HEIGHT	HEIGHT ADJUSTMENTS	PLATFORM AREA	CANTILEVER LENGTH	HANDRAIL HEIGHT	TOTAL BASE LENGTH
STAR ADJ P1400	1400 mm	1400 – 2200 mm	1200 x 900 mm	800 mm	900 mm	2580 mm
STAR ADJ P5'	1500 mm	1500 – 2300 mm	1200 x 900 mm	800 mm	900 mm	2621 mm
STAR ADJ P6'	1800 mm	1800 – 2600 mm	1200 x 900 mm	800 mm	900 mm	2746 mm
STAR ADJ P7'	2100 mm	2100 – 2900 mm	900 x 900 mm	800 mm	900 mm	2570 mm
STAR ADJ P8'	2400 mm	2400 – 3200 mm	900 x 900 mm	800 mm	900 mm	2695 mm
STAR ADJ P9'	2700 mm	2700 – 3500 mm	900 x 900 mm	800 mm	900 mm	2818 mm
STAR ADJ P10'	3000 mm	3000 – 3800 mm	1000 x 1000 mm	800 mm	900 mm	2943 mm

- STAR ADJUSTABLE WORK PLATFORMS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY
- ROBUST CONSTRUCTION WITH CHECKER-PLATE DECK SURFACE FOR SECURE FOOTING
- RETRACTABLE WHEEL SYSTEM
- EACH UNIT IS FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS
- BACKED BY A LIFETIME STRUCTURAL WARRANTY AND DESIGNED TO COMPLY WITH RELEVANT AUSTRALIAN STANDARDS
- MULTI-LEVEL HEIGHT SETTINGS: PROVIDES AN 800MM ADJUSTMENT CAPACITY WITHIN THE SPECIFIED HEIGHT RANGES, ENSURING PRECISE ELEVATION AND SAFETY FOR VARIOUS TASKS.



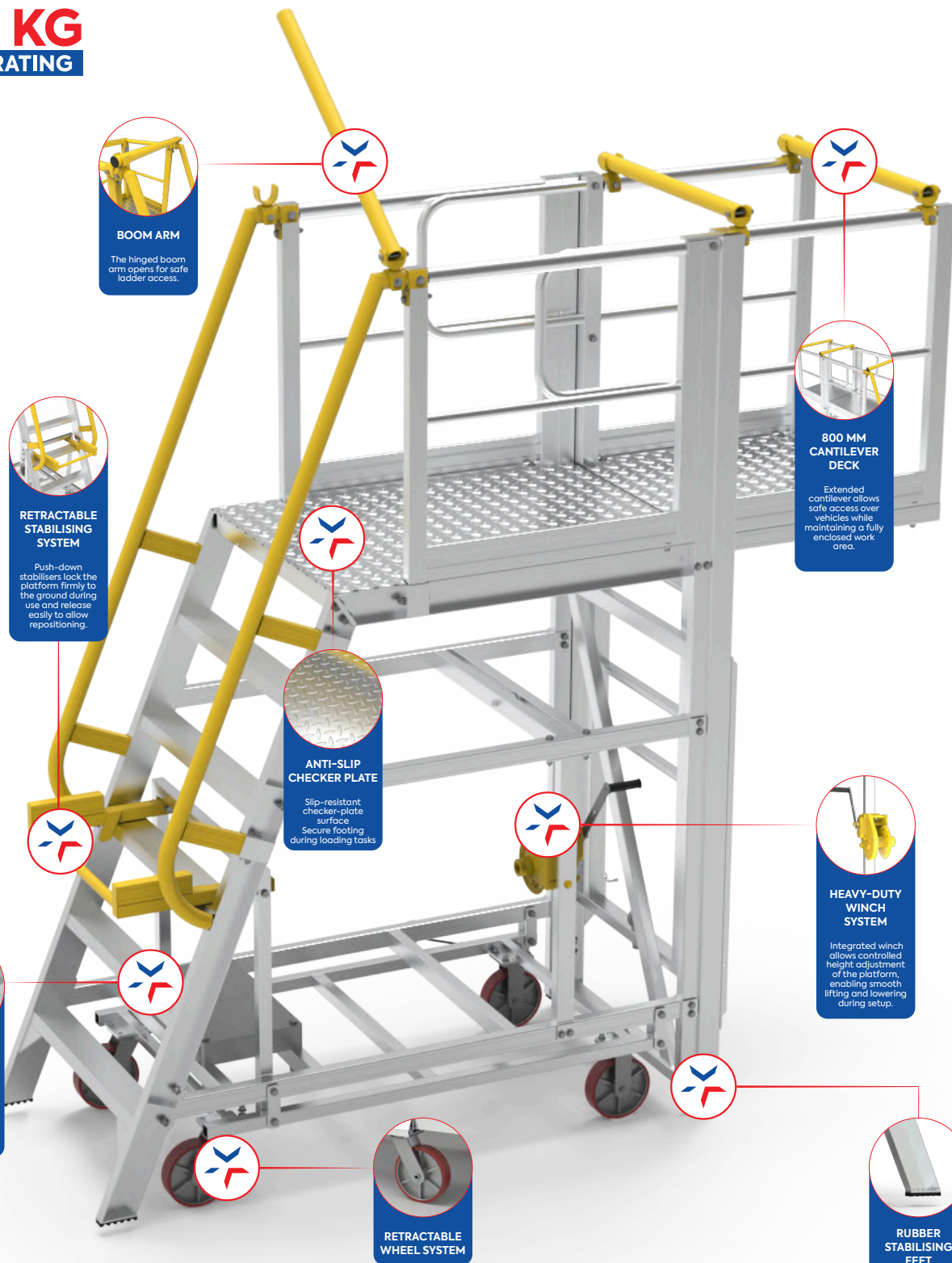
## BRIDGES



# ADJUSTABLE WORK PLATFORMS

WORK PLATFORM SOLUTIONS

**150 KG**  
LOAD RATING



**BOOM ARM**

The hinged boom arm opens for safe ladder access.



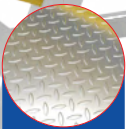
**RETRACTABLE STABILISING SYSTEM**

Push-down stabilisers lock the platform firmly to the ground during use and release easily to allow repositioning.



**800 MM CANTILEVER DECK**

Extended cantilever allows safe access over vehicles while maintaining a fully enclosed work area.



**ANTI-SLIP CHECKER PLATE**

Slip-resistant checker-plate surface. Secure footing during loading tasks.



**HEAVY-DUTY WINCH SYSTEM**

Integrated winch allows controlled height adjustment of the platform, enabling smooth lifting and lowering during setup.



**100 MM ANTI-SLIP TREADS**

Slip-resistant aluminium ladder treads ensure secure footing and stability, even in wet or dusty conditions.



**RETRACTABLE WHEEL SYSTEM**



**RUBBER STABILISING FEET**

Slip resistant rubber foot pads provide secure ground contact and protect floor surfaces while stabilising the platform.

**OPTIONAL**



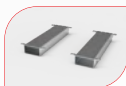
**SOLID RUBBER PUNCTURE PROOF CASTORS**



**SET OF PLATFORM WINGS**



**D BUMPERS**



**FORKLIFT POCKETS**



**ANTI-SLIP BULL NOSING**



**ALL-TERRAIN KIT**



**HOOP GUARDRAIL**



**FITTED COMPLIANCE PLATE**

Supports WHS requirements and site compliance.



**SCAN ME FOR MORE**

TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER



Terex is a global manufacturer of lifting and material-handling solutions for various industries, including construction and infrastructure. The company operates through several specialised brands to provide high-quality machinery and support services worldwide. As a major player in the industrial equipment sector, Terex focuses on delivering reliable products that improve productivity and safety on work sites. Their commitment to engineering excellence makes them a leader in the global heavy equipment market.

## PROJECT USE-CASES

TEREX

### PROJECT FOCUS

JME, a Terex brand specialising in construction equipment, approached Star Aluminium to improve their servicing and repair operations for scissor lifts. The project addressed several key requirements:

- ✘ The client requested a solution to safely reach different working heights.
- ✘ A specific need was identified for equipment that could adapt to varying elevations during complex maintenance tasks.
- ✘ The primary goal was to enhance worker safety while performing repairs on large-scale machinery.
- ✘ The project aimed to replace standard fixed-height systems with a versatile and adjustable access solution.
- ✘ Improving the overall speed and efficiency of the maintenance team was a central focus of the request.

## THE COMMERCIAL ADVANTAGE

Implementing the various platforms have provided Terex and its brand JME with a significant competitive edge:

- ✘ Maintenance capabilities have improved, allowing the team to offer faster service to their customers.
- ✘ Increased operational efficiency has led to reduced downtime for equipment undergoing repairs.
- ✘ Faster service tends to make customers more satisfied and boosts output.
- ✘ The maintenance team's positive comments have really helped boost the brand's image as a provider of quality safety tools.
- ✘ The partnership boosted returns by making work flow better and helping equipment last longer.



## THE ENGINEERED SOLUTION

Star Aluminium delivered the adjustable P7 platform, specifically engineered for versatility in heavy equipment maintenance:

- ✘ The adjustable P7 allows technicians to reach various heights safely using a single, adaptable system.
- ✘ The design is perfectly suited for the specific dimensions and access points of industrial scissor lifts.
- ✘ Built-in safety features provide users with maximum confidence while working at height.
- ✘ The adjustable design allows switching between different servicing jobs fast, without moving lots of gear.





This Melbourne-based company is a leader in large-scale artisanal bread production. Founded in 2004, it combines traditional baking techniques with state-of-the-art technology to solve skill shortages in the industry. The manufacturer runs big production lines and sells to major stores and restaurants all over Australia. The company is recognised for their innovation in sourdough products and their excellent production. They stay competitive in the Australian food business by keeping a balance between quality and efficiency.

## PROJECT USE-CASES

ARTISANAL FOOD MANUFACTURER

### PROJECT FOCUS

This project focused on providing a specialised access solution for a high-volume bakery environment. The manufacturer approached Star Aluminium with a specific request to overcome unique spatial challenges:

- ✘ A safe access method was required for workers to maintain equipment on top of industrial ovens.
- ✘ The solution needed to fit within a very narrow walkway next to the baking machines.
- ✘ The primary goal was to ensure technicians could work with maximum safety.
- ✘ This project needed a platform that could adjust its height to work with different areas of the production line.
- ✘ Making a safe workspace in that hot area was really important.

## THE COMMERCIAL ADVANTAGE

Implementing this engineered access solution resulted in significant benefits for the manufacturer's maintenance operations:

- ✘ Maintenance now runs smoother, reduces equipment downtime.
- ✘ The risk of workplace accidents in confined spaces has been significantly reduced.
- ✘ Faster turnaround times for equipment repairs have led to improved overall production consistency.
- ✘ The use of high-quality, durable platforms reduces the long-term cost of equipment replacement and maintenance.
- ✘ This specialised solution allows the facility to maintain its high safety standards while continuing large-scale artisanal production.



## THE ENGINEERED SOLUTION

Star Aluminium delivered an adjustable P6 platform, specifically modified to function within the facility's restricted layout:

- ✘ The P6 platform can be adjusted for different heights, so workers can easily reach equipment on top of ovens without risk.
- ✘ The slim design allows the unit to be positioned perfectly against narrow walkways without obstructing the workflow.
- ✘ High-strength aluminium construction ensures the platform remains stable while being light enough to maneuver in tight spaces.
- ✘ Built-in safety measures keep maintenance workers safe from falls when they're working up high.
- ✘ The design is engineered to handle the tough conditions of a large-scale industrial bakery.

# CANTILEVER WORK PLATFORMS

## WORK PLATFORM SOLUTIONS

- STAR ALUMINIUM CANTILEVER WORK PLATFORMS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY
- ENGINEERED WITH A CLEARANCE HEIGHT THAT ALLOWS FOR CONVENIENT POSITIONING AGAINST OR OVER THE ACCESS AREA.
- ROBUST CONSTRUCTION WITH CHECKER-PLATE DECK SURFACE FOR SECURE FOOTING.
- EACH UNIT ENGINEERED TO SUPPORT WHS REQUIREMENTS
- SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS.
- MAJOR COMPONENTS FULLY WELDED: SIMPLE ON-SITE ASSEMBLY WITH TOOLS, FIXINGS AND INSTRUCTIONS PROVIDED
- BACKED BY A LIFETIME STRUCTURAL WARRANTY.

 <b>1999</b> <small>ESTD</small>	 <b>STRUCTURAL</b> <small>LIFETIME WARRANTY</small>
 <b>27+</b> <small>YEARS IN BUSINESS</small>	 <b>MANUFACTURED</b> <small>TO AS/NZS STANDARDS</small>
 <b>200</b> <small>KG</small> <b>LOAD RATING</b>	 <b>CUSTOM DESIGN</b> <small>AVAILABLE</small>



# CANTILEVER WORK PLATFORMS

## WORK PLATFORM SOLUTIONS

PRODUCT NAME	PLATFORM HEIGHT	CLEARANCE HEIGHT	PLATFORM AREA	CANTILEVER LENGTH	APPROX. WEIGHT	TOTAL BASE LENGTH
STAR CLP3	900 mm	800 mm	1000x2000 mm	950 mm	75KG	2291 mm
STAR CLP4	1200 mm	1100 mm	1000x2000 mm	950 mm	80KG	2415 mm
STAR CLP5	1500 mm	1400 mm	1000x2000 mm	950 mm	92KG	2539 mm
STAR CLP6	1800 mm	1700 mm	1000x2000 mm	950 mm	100KG	2658 mm
STAR CLP7	2100 mm	2000 mm	1000x2000 mm	950 mm	110KG	2782 mm
STAR CLP8	2400 mm	2300 mm	1000x2000 mm	950 mm	120KG	2907 mm
STAR CLP9	2700 mm	2600 mm	1000x2000 mm	950 mm	145KG	3031 mm
STAR CLP10	3000 mm	2900 mm	1000x2000 mm	950 mm	155KG	3155 mm
STAR CLP11	3300 mm	3200 mm	1000x2000 mm	950 mm	175KG	3279 mm



**SECURE REAR GATE**  
Ensures easy access and keeps the platform enclosed during use.

**SWIVEL LOCKABLE WHEELS**  
Heavy-duty lockable castors for easy maneuverability and secure positioning.

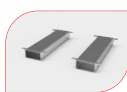
**BOOM ARM**  
The hinged boom arm opens for safe ladder access and closes once on the platform to maintain continuous edge protection.

**ANTI-SLIP CHECKER PLATE**  
Slip-resistant checker-plate surface. Secure footing during loading tasks.

**SAFETY YELLOW HANDRAILS**  
Powder-coated aluminium handrails provide clear visual guidance at ladder access points, improving edge awareness and user safety during ascent, descent and platform use.

**100 MM ANTI SLIP TREADS**  
Slip-resistant aluminium ladder treads ensure secure footing and stability, even in wet or dusty conditions.

### OPTIONAL



FORKLIFT POCKETS



OPTIONAL SAFETY HOOP



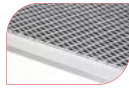
ALL-TERRAIN KIT



D BUMPERS



ANTI SLIP BULL NOSING



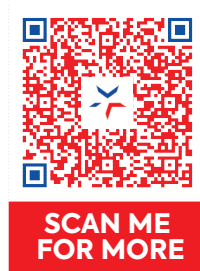
GRID MESH DECK



SET OF PLATFORM WINGS



**FITTED COMPLIANCE PLATE**  
Supports WHS requirements and site compliance.



TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER



This Aviation Company is a specialist in aircraft maintenance and technical support services. The facility offers complete repair and inspection services for many commercial and private planes. Because this service provider is in a heavily regulated business, precision and safety are the top priorities to ensure aircraft are ready to fly. The company is skilled in structural maintenance, engine work and regular safety inspections. With advanced equipment and skilled technicians, this provider plays a crucial part in local aviation services.

## PROJECT USE-CASES

AN AVIATION COMPANY

### PROJECT FOCUS

This aviation company required a specialised solution to access difficult areas on their aircraft during maintenance. The operators approached Star Aluminium with several specific challenges:

- ✘ A safe method was needed to reach elevated sections of the aircraft, including the roof and fuselage.
- ✘ The project required a design that could safely extend over the wings without making direct contact with sensitive surfaces.
- ✘ Improving technician safety while working at heights was a primary requirement for the facility.
- ✘ The solution had to be durable enough for daily use in a high-traffic hangar environment.
- ✘ Streamlining the inspection process for hard-to-reach areas was a key goal for the maintenance team.



### THE ENGINEERED SOLUTION

Star Aluminium delivered a customised cantilever platform engineered for precise aviation access:

- ✘ A cantilever design allows the platform to extend over the aircraft wing for close-up access.
- ✘ Integrated D-bumpers provide a soft interface to protect the aircraft exterior from accidental contact.
- ✘ High-visibility powder coating ensures the equipment is easily seen in the hangar for increased safety.
- ✘ Anti-slip treads are fitted to all steps and platforms to ensure a secure footing for technicians.
- ✘ The flat-pack design allows for efficient shipping and easy assembly on-site.

### THE COMMERCIAL ADVANTAGE

Implementing this custom-engineered cantilever system provided significant benefits to the company's maintenance operations:

- ✘ Technicians can now access critical areas faster, leading to a reduction in aircraft downtime.
- ✘ The risk of workplace injuries has been reduced through the use of purpose-built safety features.
- ✘ The protective bumpers prevent costly damage to aircraft surfaces during the maintenance process.
- ✘ Operational productivity has increased as inspections and repairs are completed with greater ease.
- ✘ The durable, powder-coated finish ensures a long service life with minimal maintenance costs for the equipment.





## SITE APPLICATIONS

These platforms provide operational flexibility in areas where direct access is restricted or ground-level obstacles exist. Ideal for specialised tasks such as aircraft fuselage and wing maintenance, servicing conveyor lines, or accessing tank tops, they allow personnel to reach targets "up and over" safely. The mobile design ensures easy positioning within the facility, significantly reducing maintenance and assembly times.



# STARRISE ADJUSTABLE WORK PLATFORMS

## WORK PLATFORMS

PLATFORM HEIGHT	CLEARANCE HEIGHT	DECK SIZE	BASE SIZE
1800 mm	0 mm	800x1185 mm	950x2100 mm
2100 mm	2000 mm	800x1185 mm	950x2100 mm
2400 mm	2300 mm	800x1185 mm	950x2100 mm
2700 mm	2200 mm	800x1185 mm	950x2100 mm
3000 mm	2900 mm	800x1185 mm	950x2100 mm
3300 mm	3200 mm	800x1185 mm	950x2100 mm
3600 mm	3500 mm	800x1185 mm	950x2100 mm



STARRISE ADJUSTABLE WORK PLATFORMS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY



EACH UNIT IS FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS



BACKED BY A LIFETIME STRUCTURAL WARRANTY.



**AUSTRALIAN**  
OWNED & OPERATED



**27+ YEARS IN**  
BUSINESS



**STRUCTURAL**  
LIFETIME WARRANTY



**MANUFACTURED**  
TO AS/NZS STANDARDS



**150 KG**  
LOAD RATING



**CUSTOM DESIGN**  
AVAILABLE



# STARRISE ADJUSTABLE WORK PLATFORM

## WORK PLATFORMS

TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER



**SECURE REAR GATE**  
Ensures easy access and keeps the platform enclosed during use.

**BOOM ARM**  
Removable safety arm for access. Lift out to enter, refit to close.

**ANTI-SLIP CHECKER PLATE**  
Slip-resistant checker-plate surface. Secure footing during loading tasks.

**CANTILEVER EXTENSION**  
As the platform rises it cantilevers out further, letting you overhang existing structures for access.

**HEAVY-DUTY WINCH SYSTEM**  
Integrated winch allows controlled height adjustment of the platform, enabling smooth lifting and lowering during setup.

**FORKLIFT POCKETS**  
Integrated pockets are built into the base frame to allow for safe transport and easy relocation of the unit using a forklift.

**4 CASTORS**  
Four heavy-duty castors for effortless facility mobility.

**100 MM ANTI-SLIP TREADS**  
Slip-resistant aluminium ladder treads ensure secure footing and stability, even in wet or dusty conditions.

**FITTED COMPLIANCE PLATE**  
Supports WHS requirements and site compliance.

**OPTIONAL**

GRID MESH DECK

SET OF PLATFORM WINGS

ALL-TERRAIN KIT

OPTIONAL SAFETY HOOP

ANTI-SLIP BULL NOSING

D BUMPERS



**SCAN ME FOR MORE**



Star Aluminium partnered with a bus manufacturer in New South Wales to deliver a purpose-built height access solution for bus roof maintenance and production activities. The manufacturer required a safe, repeatable access system capable of accommodating varying bus heights and roof fit-outs. Star Aluminium identified the Star Rise height adjustable platform as the most suitable solution, providing flexibility, safety compliance and operational efficiency within a busy manufacturing environment.

## PROJECT USE-CASES

### BUS MANUFACTURER

The project focused on providing safe and consistent access to bus roofs during manufacturing, inspection and maintenance processes. A key requirement was the ability to adjust platform height to suit different vehicle configurations while maintaining stability and compliance.

Key project requirements included:

- ⊗ Safe, repeatable access to bus roofs for routine inspections and repairs
- ⊗ Adjustable platform height to suit multiple bus models and roof configurations
- ⊗ Stable working surface to support ongoing production workflows
- ⊗ Improved safety outcomes without relying on temporary access equipment



## THE COMMERCIAL ADVANTAGE

The implementation of the Star Rise platform delivered measurable safety and operational benefits for the manufacturer. The solution reduced downtime, improved workflow efficiency and supported safer maintenance practices.

Commercial outcomes achieved:

- ⊗ Faster and safer access to bus roofs, reducing maintenance downtime
- ⊗ Improved safety compliance across production and service tasks
- ⊗ Reduced reliance on temporary or manual access methods
- ⊗ Long-term durability with low maintenance requirements
- ⊗ Enhanced productivity and operational consistency on the factory floor

## THE ENGINEERED SOLUTION

Star Aluminium supplied and engineered the Star Rise height-adjustable platform, designed specifically to meet the manufacturer's operational and safety requirements. The platform delivers controlled, compliant access while adapting to varying working heights.

Engineered solution features:

- ⊗ Height-adjustable platform with a working range of 1.8 m to 3.3 m
- ⊗ Stable aluminium structure designed for industrial production environments
- ⊗ Secure access system enabling safe roof-level work
- ⊗ Configuration matched to bus dimensions and access paths
- ⊗ Designed to support frequent use with minimal disruption to operations

# SITE APPLICATIONS



TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER

# STAIR PLATFORMS

## WORK PLATFORM SOLUTIONS

PRODUCT NAME	PLATFORM HEIGHT	HANDRAIL HEIGHT	PLATFORM AREA
STAR SP2	400 mm	1000 mm	750 mm x 1000 mm
STAR SP3	600 mm	1000 mm	750 mm x 1000 mm
STAR SP4	800 mm	1000 mm	750 mm x 1000 mm
STAR SP5	1000 mm	1000 mm	750 mm x 1000 mm
STAR SP6	1200 mm	1000 mm	750 mm x 1000 mm
STAR SP7	1400 mm	1000 mm	750 mm x 1000 mm
STAR SP8	1600 mm	1000 mm	750 mm x 1000 mm
STAR SP9	1800 mm	1000 mm	750 mm x 1000 mm
STAR SP10	2000 mm	1000 mm	750 mm x 1000 mm
STAR SP11	2200 mm	1000 mm	750 mm x 1000 mm
STAR SP12	2400 mm	1000 mm	750 mm x 1000 mm
STAR SP13	2600 mm	1000 mm	750 mm x 1000 mm
STAR SP14	2800 mm	1000 mm	750 mm x 1000 mm
STAR SP15	3000 mm	1000 mm	750 mm x 1000 mm

- HEAVY-DUTY STAR STAIR PLATFORMS, MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY
- MODULAR BOLT-TOGETHER DESIGN FOR FAST AND SIMPLE ON-SITE ASSEMBLY WITH STANDARD TOOLS
- LIGHTWEIGHT SECTIONS ARE EASIER TO HANDLE DURING INSTALLATION.
- SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS
- EACH UNIT IS FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS
- BACKED BY A LIFETIME STRUCTURAL WARRANTY

**AUSTRALIAN**  
OWNED & OPERATED

**27+ YEARS IN**  
BUSINESS

**STRUCTURAL**  
LIFETIME WARRANTY

**MANUFACTURED**  
TO AS/NZS STANDARDS

**CUSTOM DESIGN**  
AVAILABLE

ISO 9001:2015  
CERTIFIED  
GMC  
GLOBAL MANAGEMENT  
CERTIFICATION



# STAIR PLATFORMS

WORK PLATFORM SOLUTIONS



**PERFORATED PLATFORM**  
Open Perforated surface improves drainage and slip-resistant underfoot.

**FRONT SWING GATE**  
Provides Easy Access and secure work zone.

**SAFETY YELLOW HANDRAILS**  
Powder-coated safety rails. Enhanced visibility in loading zones.

**BOLT-ON MODULAR DESIGN**  
Bolt-on components allow handrails, cage sections and gates to be added, adjusted or reconfigured on site.

**SWIVEL LOCKABLE WHEELS**  
Heavy-duty castors enable quick positioning around trucks and loading zones, with lockable wheels ensuring stability and preventing movement in high-traffic areas.

**250 MM ANTI SLIP TREADS**  
Slip-resistant stair treads. Secure footing during ascent and descent.

**OPTIONAL**



**ANTI SLIP BULL NOSING**



**SET OF PLATFORM WINGS**



**D BUMPERS**



**ALL-TERRAIN KIT**



**OPTIONAL SAFETY HOOP**



**FITTED COMPLIANCE PLATE**  
Supports WHS requirements and site compliance.



**SCAN ME FOR MORE**



Star Aluminium supplied a mobile stair platform to a chocolate manufacturer, providing safe and reliable maintenance access around conveyors and processing equipment. Designed to suit daily operational needs, the platform replaced temporary access methods and performs exactly as intended within the production environment.

## PROJECT USE-CASES

CHOCOLATE MANUFACTURER COMPANY

### PROJECT FOCUS

The project focused on improving safe access for maintenance work around chocolate production machinery and conveyor systems. Mobility and ease of use were essential to allow the platform to be positioned where needed without interrupting production.

Key project requirements included:

- ⊗ Safe access to elevated points near conveyors and machinery
- ⊗ Mobile design to support movement across different work zones
- ⊗ Stable stair access suitable for regular maintenance tasks

## THE COMMERCIAL ADVANTAGE

The introduction of the Star Stair Platform improved both safety and efficiency across maintenance activities. The platform reduced reliance on temporary access equipment and supported quicker, safer servicing.

Commercial outcomes achieved:

- ⊗ Improved safety for maintenance personnel
- ⊗ Reduced downtime during routine servicing
- ⊗ Faster access to equipment requiring inspection or repair
- ⊗ A durable, low-maintenance access solution supporting long-term use

## THE ENGINEERED SOLUTION

Star Aluminium supplied the Star Stair Platform, designed to provide secure stair access in active manufacturing environments. The platform was configured to suit the site layout and allow maintenance personnel to work safely at height.

Engineered solution features:

- ⊗ Mobile stair platform for flexible positioning on site
- ⊗ Stable aluminium construction suited to food production environments
- ⊗ Designed to provide controlled access around machinery and conveyors
- ⊗ Practical layout supporting routine inspection and repair tasks





## SITE APPLICATIONS

Designed to offer superior operational flexibility, these platforms are the perfect solution for areas with restricted access or ground-level obstructions. They are specifically engineered for complex tasks—such as aircraft maintenance, servicing conveyor systems, or accessing tank tops—allowing personnel to safely work “up and over” obstacles. The platform’s mobile design allows for effortless positioning, helping to significantly reduce downtime during maintenance and assembly operations.



# ORDER PICKERS

## WORK PLATFORM SOLUTIONS

PRODUCT NAME	PLATFORM HEIGHT	PLATFORM AREA	HANDRAIL HEIGHT	FOOTPRINT	WHEEL STYLE	WEIGHT
SOP3	900MM	705MM (L) X 750MM (W)	1000MM	1279MM (L) X 811MM (W)	2 WHEELS AT REAR	30KG
SOP4	1200MM	705MM (L) X 750MM (W)	1000MM	1489MM (L) X 863MM (W)	4 WHEELS	41KG
SOP5	1500MM	705MM (L) X 750MM (W)	1000MM	1693MM (L) X 916MM (W)	4 WHEELS	46KG
SOP6	1800MM	705MM (L) X 750MM (W)	1000MM	1909MM (L) X 968MM (W)	4 WHEELS	50KG
SOP7	2100MM	705MM (L) X 750MM (W)	1000MM	2188MM (L) X 1021MM (W)	4 WHEELS	54KG
SOP8	2400MM	705MM (L) X 750MM (W)	1000MM	2322MM (L) X 1077MM (W)	4 WHEELS	59KG

STAR ALUMINIUM ORDER PICKERS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY

SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS.

PERFECT FOR RETAIL WAREHOUSES AND E-COMMERCE OPERATIONS

EACH UNIT FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS

EASY TO MOVE AND MANOEUVRE THROUGH TIGHT SPACES, PROVIDES EASY ACCESS TO HIGH SHELVES.

BACKED BY A LIFETIME STRUCTURAL WARRANTY.

HANDLES UP TO 200KG WITH EASE, PERFECT FOR BOTH SMALL AND LARGE-SCALE OPERATIONS.



**AUSTRALIAN**  
OWNED & OPERATED



**27+ YEARS IN**  
BUSINESS



**STRUCTURAL**  
LIFETIME WARRANTY



**MANUFACTURED**  
TO AS/NZS STANDARDS



**200 KG**  
LOAD RATING



**CUSTOM DESIGN**  
AVAILABLE



# ORDER PICKERS

WORK PLATFORM SOLUTIONS



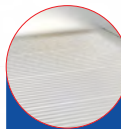
### BOOM ARM

Removable safety arm for access. Lift out to enter. Refit to close.



### SAFETY YELLOW HANDRAILS

Powder-coated safety rails. Enhanced visibility in loading zones.



### ANTI-SLIP RESISTANT DECK

Slip-resistant plate surface. Secure footing during loading tasks.



### RETRACTABLE WHEEL SYSTEM

A slide-out stabilising arm extends and retracts to lock the work platform ladder firmly to the ground, improving stability during use and retracting easily for relocation.



### RUBBER STABILISING FEET

Slip resistant rubber foot pads provide secure ground contact.



### FITTED COMPLIANCE PLATE

Supports WHS requirements and site compliance.



SCAN ME FOR MORE

Ampol selected Star Aluminium to deliver a safe, repeatable access solution for commercial vehicle cleaning and maintenance across eligible service stations Australia-wide. Star Aluminium supplied order pickers that provide secure, non-slip access for truck wash operations, improving safety, usability, and customer experience while performing reliably in demanding public environments throughout the network.



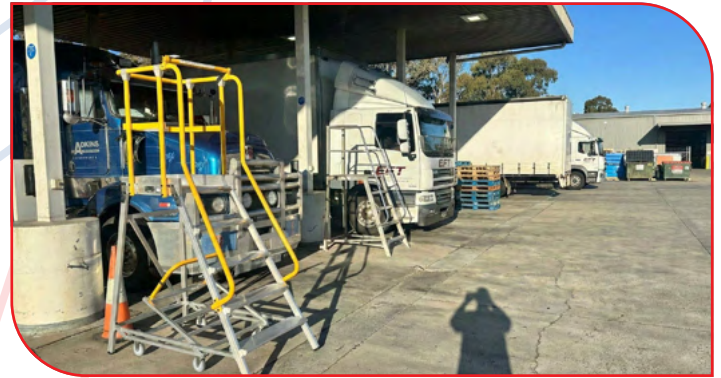
## PROJECT USE-CASES

AMPOL

### PROJECT FOCUS

The key requirement was a stable, repeatable and compliant access system that reduced risk and improved workflow around fixed assets within busy public environments across the network. The solution needed to perform reliably under constant daily use while maintaining high safety standards for both customers and staff at all eligible locations.

- ⊗ Safe and efficient height-access solutions were required for customers to clean windscreens and upper sections of heavy vehicles.
- ⊗ The project demanded a standardised system that could operate reliably within a public-access environment. Improving the overall customer experience at truck wash bays was a primary objective.
- ⊗ Accessibility and user safety were critical factors for equipment used by the general public and commercial drivers.



### THE COMMERCIAL ADVANTAGE

Star Aluminium delivered a fleet of specialised ladder platforms and order pickers engineered specifically for the operational requirements of eligible Ampol sites nationwide. The solution focused on providing stable, secure access for vehicle cleaning and maintenance while ensuring ease of use within public-facing environments.

- ⊗ Custom-engineered truck wash ladder platforms provide stable and secure access for cleaning large commercial vehicles.
- ⊗ The SOPs order pickers feature approximately 1500 mm platform height, perfectly suited for standard truck dimensions.
- ⊗ These engineered solutions incorporate non-slip surfaces and safety rails to protect users during cleaning operations.
- ⊗ The design focuses on ease of use, allowing customers to position and utilise the equipment with minimal effort.
- ⊗ Each unit is constructed from high-grade aluminium to resist corrosion in wet environments.

### THE ENGINEERED SOLUTION

The collaboration with Star Aluminium delivered strong operational and safety benefits for Ampol across eligible service stations.

- ⊗ Participating sites benefit from professional-grade cleaning tools that enhance the overall customer experience.
- ⊗ Improved accessibility encourages repeat use by commercial truck drivers.
- ⊗ Purpose-built access equipment helps minimise liability risks within the facilities.
- ⊗ Durable, low-maintenance construction reduces ongoing upkeep costs.
- ⊗ The successful outcome reinforced confidence in engineered access solutions for high-traffic retail environments nationwide.



## WITH YOU, EVERY STEP PROUDLY SUPPORTING THE MCGRATH FOUNDATION

At Star Aluminium, we believe in using our manufacturing strength for a greater cause. You can now make a bold statement on your worksite with our special edition Work Platforms and Cantilever Platforms, finished in signature McGrath Foundation Pink. These platforms aren't just designed to stand out; they are designed to help families across Australia navigate the challenges of breast cancer. We are proud to donate 10% of the proceeds from every full-priced platform ordered with Pink Safety Rails directly to the McGrath Foundation. By choosing these special edition rails, you are providing vital support to the McGrath Foundation and helping make a difference in your community.

Show your support on-site by ordering your next Work or Cantilever Platform with Pink Safety Rails.



SCAN ME  
FOR MORE

# FOLDING PLATFORMS

## WORK PLATFORM SOLUTIONS

PRODUCT NAME	STEPS	HANDRAIL HEIGHT (MM)	PLATFORM HEIGHT (MM)	BOTTOM WIDTH (MM)	FOLDED LENGTH (MM)	FOLD THICKNESS (MM)	WEIGHT (KG) – APPX.
SFP 900	3	900	900	750	2103	320	21.8
SFP 1200	4	900	1200	750	2434	320	23.3
SFP 1500	5	900	1500	750	2765	320	24.8
SFP 1800	6	900	1800	750	3096	320	26.3
SFP 2100	7	900	2100	750	3427	320	31
SFP 2400	8	900	2400	750	3758	320	32.6

STAR FOLDING PLATFORMS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY

SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS

SUITABLE FOR TRADE, WAREHOUSE, MAINTENANCE AND FACILITY OPERATIONS

EACH UNIT IS FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS

FOLDS FLAT FOR UTES, VANS AND TIGHT STORAGE ROOMS.

BACKED BY A LIFETIME STRUCTURAL WARRANTY

**1999**  
ESTD

**AUSTRALIAN**  
OWNED & OPERATED

**27+**  
YEARS IN  
BUSINESS

**STRUCTURAL**  
LIFETIME WARRANTY

**MANUFACTURED**  
TO AS/NZS STANDARDS

**CUSTOM DESIGN**  
AVAILABLE

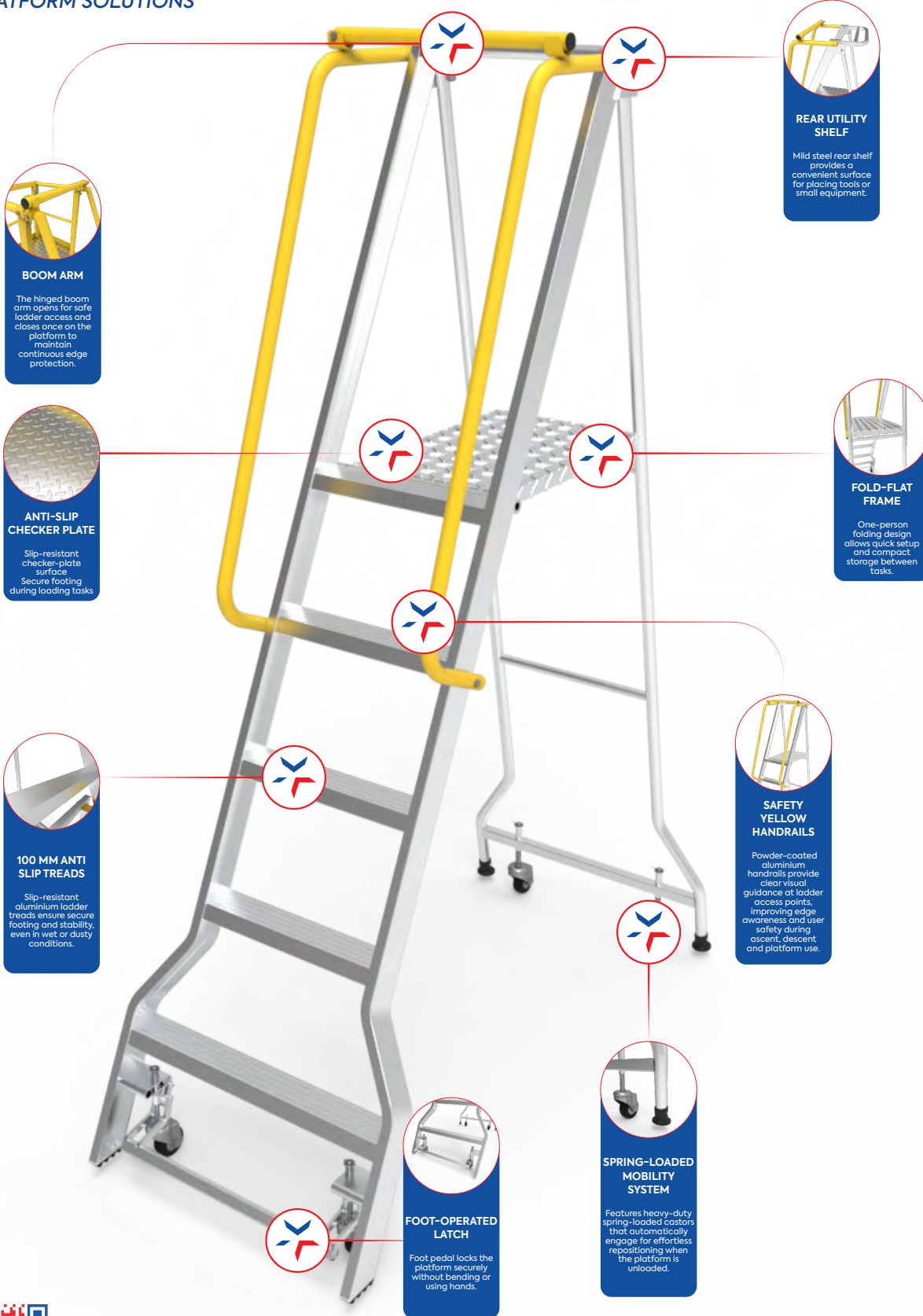
ISO 9001:2015  
CERTIFIED

**GMC**  
GLOBAL MANAGEMENT  
CERTIFICATION



# FOLDING PLATFORMS

## WORK PLATFORM SOLUTIONS



**BOOM ARM**

The hinged boom arm opens for safe ladder access and closes once on the platform to maintain continuous edge protection.

**ANTI-SLIP CHECKER PLATE**

Slip-resistant checker-plate surface. Secure footing during loading tasks.

**100 MM ANTI SLIP TREADS**

Slip-resistant aluminium ladder treads ensure secure footing and stability, even in wet or dusty conditions.

**FOOT-OPERATED LATCH**

Foot pedal locks the platform securely without bending or using hands.

**SPRING-LOADED MOBILITY SYSTEM**

Features heavy-duty spring-loaded castors that automatically engage for effortless repositioning when the platform is unloaded.

**SAFETY YELLOW HANDRAILS**

Powder-coated aluminium handrails provide clear visual guidance at ladder access points, improving edge awareness and user safety during ascent, descent and platform use.

**FOLD-FLAT FRAME**

One-person folding design allows quick setup and compact storage between tasks.

**REAR UTILITY SHELF**

Mild steel rear shelf provides a convenient surface for placing tools or small equipment.



**SCAN ME FOR MORE**

**FITTED COMPLIANCE PLATE**

Supports WHS requirements and site compliance.



SCAN ME FOR MORE

## CROSSOVER PLATFORMS SECTION 03

### CROSSOVER PLATFORMS

ENGINEERED ACCESS PLATFORMS DESIGNED TO SAFELY BRIDGE OVER FIXED OBSTACLES, SERVICES AND PLANT EQUIPMENT ACROSS INDUSTRIAL ENVIRONMENTS.

45

### ALUMINIUM STEPOVER ACCESS PLATFORM

LIGHTWEIGHT STEP-OVER PLATFORMS PROVIDING CONTROLLED ACCESS ACROSS LOW-LEVEL OBSTRUCTIONS AND RESTRICTED WORK AREAS.

47



## SITE APPLICATIONS

Crossover platforms provide safe, repeatable access over production lines, conveyors and fixed plant equipment, allowing personnel to move efficiently without disrupting operations below. By creating designated walk paths above services and machinery, they improve site safety, maintain workflow continuity and support routine inspection and maintenance activities across industrial environments.

# CROSSOVER PLATFORMS

## CROSSOVER PLATFORMS LADDERS

### 67° STEP ACCESS

PRODUCT NAME	PLATFORM HEIGHT	CLEARANCE HEIGHT
STAR ST750	750 mm	650 mm
STAR ST10	1000 mm	900 mm
STAR ST12	1250 mm	1150 mm
STAR ST15	1500 mm	1400 mm
STAR ST17	1750 mm	1650 mm
STAR ST20	2000 mm	1900 mm
STAR ST22	2250 mm	2150 mm

PRODUCT NAME	PLATFORM BODY LENGTH	BODY WIDTH
STAR PLM9	900 mm	750 mm
STAR PLM12	1200 mm	750 mm
STAR PLM15	1500 mm	750 mm
STAR PLM18	1800 mm	750 mm
STAR PLM20	2000 mm	750 mm
STAR PLM24	2400 mm	750 mm
STAR PLM30	3000 mm	750 mm

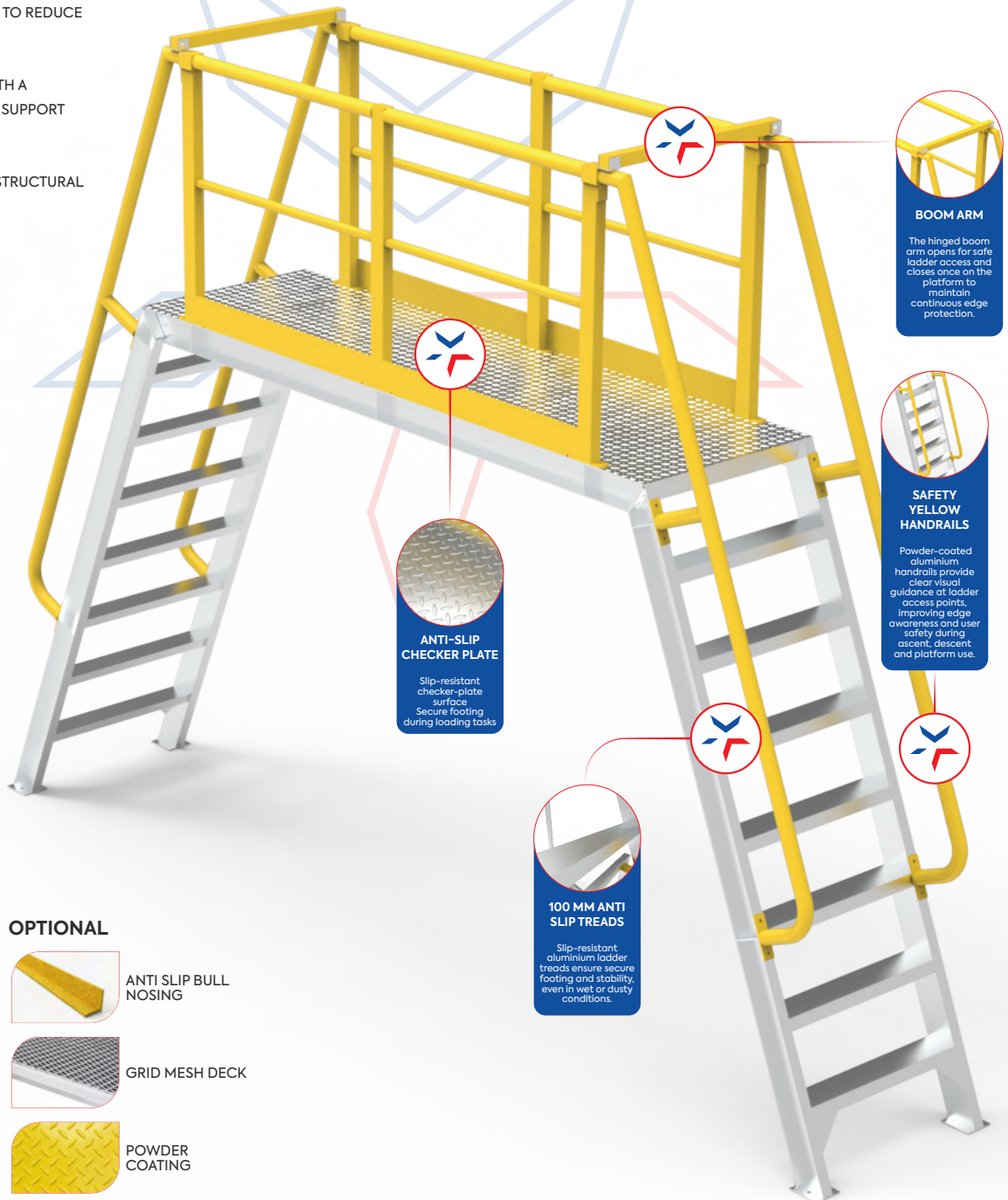
CUSTOM SIZES AVAILABLE.

STAR CROSSOVER PLATFORMS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY

SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS

EACH UNIT IS FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS

BACKED BY A LIFETIME STRUCTURAL WARRANTY



**BOOM ARM**  
The hinged boom arm opens for safe ladder access and closes once on the platform to maintain continuous edge protection.

**SAFETY YELLOW HANDRAILS**  
Powder-coated aluminium handrails provide clear visual guidance at ladder access points, improving edge awareness and user safety during ascent, descent and platform use.

**ANTI-SLIP CHECKER PLATE**  
Slip-resistant checker-plate surface. Secure footing during loading tasks.

**100 MM ANTI SLIP TREADS**  
Slip-resistant aluminium ladder treads ensure secure footing and stability, even in wet or dusty conditions.

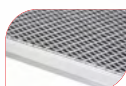


SCAN ME FOR MORE

**OPTIONAL**



ANTI SLIP BULL NOSING



GRID MESH DECK



POWDER COATING

# CROSSOVER PLATFORMS

## CROSSOVER STAIRS

### 44° STAIR ACCESS

PRODUCT NAME	PLATFORM HEIGHT	CLEARANCE HEIGHT	PRODUCT NAME	PLATFORM BODY LENGTH
STAR ST-400	400 mm	300 mm	STAR PLM9	900 mm
STAR ST-600	600 mm	500 mm	STAR PLM12	1200 mm
STAR ST-800	800 mm	700 mm	STAR PLM15	1500 mm
STAR ST-1000	1000 mm	900 mm	STAR PLM18	1800 mm
STAR ST-1200	1200 mm	1100 mm	STAR PLM20	2000 mm
STAR ST-1400	1400 mm	1300 mm	STAR PLM24	2400 mm
ST-1400 TO ST-4000	<b>CUSTOM SIZES AVAILABLE.</b>		STAR PLM30	3000 mm

- STAR CROSSOVER PLATFORMS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY
- SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS
- EACH UNIT IS FITTED WITH A COMPLIANCE PLATE TO SUPPORT WORKPLACE HEALTH AND SAFETY REQUIREMENTS
- BACKED BY A LIFETIME STRUCTURAL WARRANTY

**1999**  
ESTD

**AUSTRALIAN**  
OWNED & OPERATED

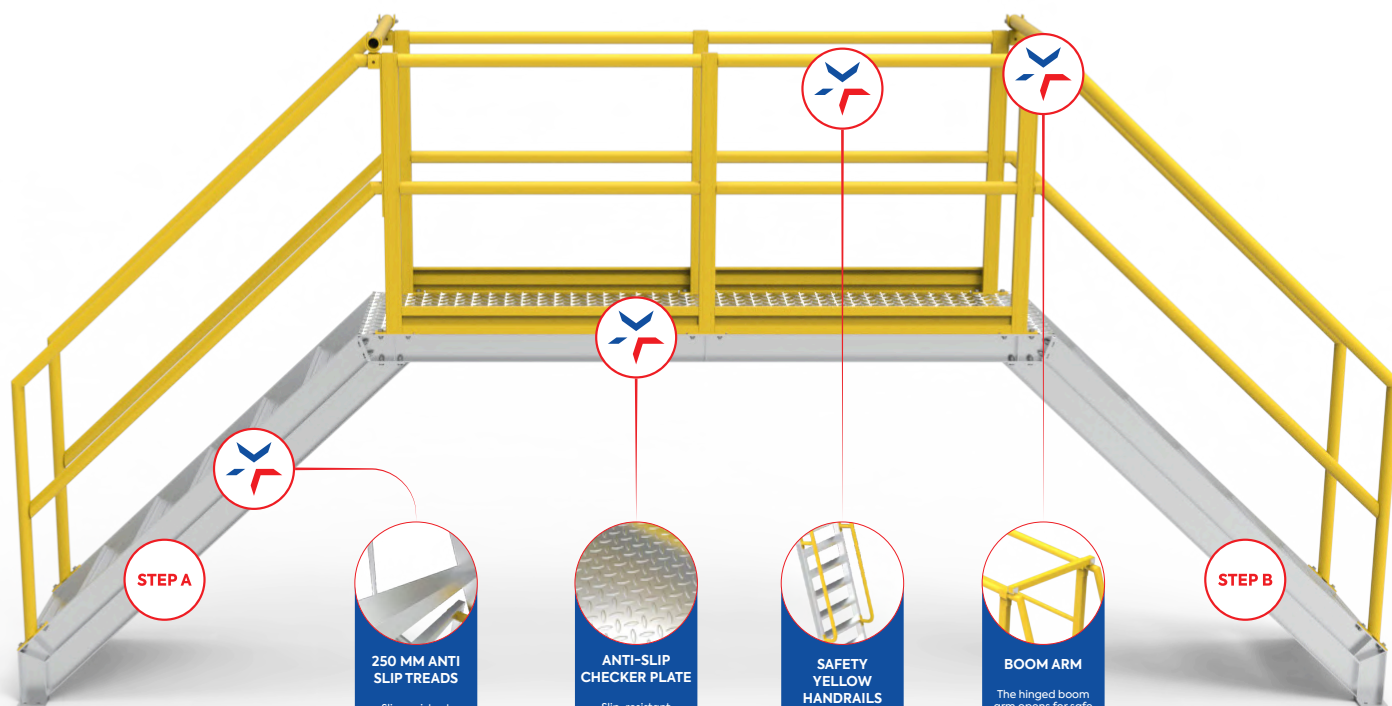
**27+**  
YEARS IN  
BUSINESS

**STRUCTURAL**  
LIFETIME WARRANTY

**MANUFACTURED**  
TO AS/NZS STANDARDS

**CUSTOM DESIGN**  
AVAILABLE

**450**  
KG  
**450 KG**  
LOAD RATING



**STEP A**

**250 MM ANTI SLIP TREADS**

Slip-resistant aluminium ladder treads ensure secure footing and stability, even in wet or dusty conditions.

**ANTI-SLIP CHECKER PLATE**

Slip-resistant checker-plate surface. Secure footing during loading tasks.

**SAFETY YELLOW HANDRAILS**

Powder-coated aluminium handrails provide clear visual guidance at ladder access points, improving edge awareness and user safety during ascent, descent and platform use.

**BOOM ARM**

The hinged boom arm opens for safe ladder access and closes once on the platform to maintain continuous edge protection.

**STEP B**

**OPTIONAL**

**ANTI SLIP BULL NOSING**

**GRID MESH DECK**

**POWDER COATING**

**ACCESS GATE**

**FITTED COMPLIANCE PLATE**

Supports WHS requirements and site compliance.

**SCAN ME FOR MORE**

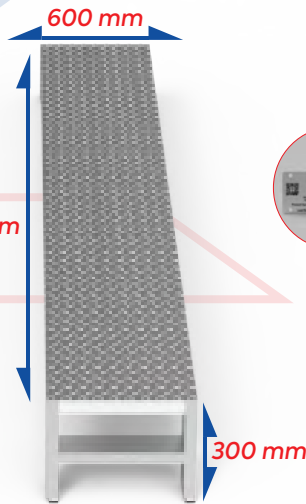
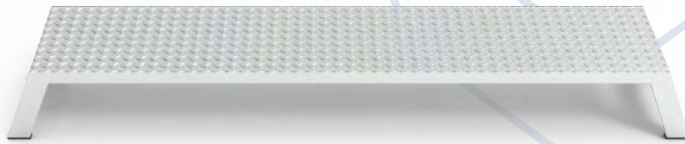
TRUCK SAFETY SOLUTIONS  
WORK PLATFORM SOLUTIONS  
CROSSOVER PLATFORMS  
MODULAR ACCESS PLATFORMS  
TANKER ACCESS SOLUTIONS  
STAIRS AND RAMPS  
LADDER SOLUTIONS  
SPECIALISED ACCESS SOLUTIONS  
MOBILE SCAFFOLD SOLUTIONS  
SAFEZONE BARRIER

# ALUMINIUM STEPOVER ACCESS PLATFORM

## CROSSOVER PLATFORMS

PRODUCT NAME	PLATFORM LENGTH	HEIGHT WIDTH	PLATFORM HEIGHT
1 M STEPOVER PLATFORM	1000mm	600mm	300mm
2 M STEPOVER PLATFORM	2000mm	600mm	300mm
3 M STEPOVER PLATFORM	3000mm	600mm	300mm
4 M STEPOVER PLATFORM	4000mm	600mm	300mm
5 M STEPOVER PLATFORM	5000mm	600mm	300mm
6 M STEPOVER PLATFORM	6000mm	600mm	300mm

- PROVIDES SAFE, UNINTERRUPTED ACCESS ACROSS CONGESTED FORMWORK, TRENCHES AND SITE OBSTACLES
- ELIMINATES TRIP AND FALL RISKS CAUSED BY EXPOSED REINFORCEMENT AND UNEVEN GROUND
- HEAVY-DUTY ALUMINIUM CONSTRUCTION DELIVERS STRENGTH WITHOUT EXCESSIVE WEIGHT
- FIXED-LEG DESIGN WITH BASE PLATES ALLOWS SECURE ANCHORING TO FORMWORK DECKS
- COMPACT FOOTPRINT ENABLES EASY PLACEMENT IN TIGHT CONSTRUCTION ZONES
- DESIGNED TO STACK EFFICIENTLY WHEN NOT IN USE, SAVING VALUABLE SITE SPACE
- SUITABLE FOR HIGH-TRAFFIC CONSTRUCTION ENVIRONMENTS.
- MANUFACTURED TO ALIGN WITH AUSTRALIAN WORKPLACE SAFETY AND ACCESS REQUIREMENTS



**SCAN ME FOR MORE**





This beverage manufacturer is a top global provider of natural, fermented drinks, with a focus on organic kombucha and healthy options. The company runs a modern plant, blending old-school fermentation with efficient production. The beverage manufacturer supplies many major retailers worldwide with a range of sugar-free drinks. With the focus on fresh ideas and quality, the company earned a solid reputation in the food and beverage market.

## PROJECT USE-CASES

### BEVERAGE MANUFACTURER

## PROJECT FOCUS

The project addressed the need for safe and efficient transit across high-speed production lines within a large-scale manufacturing environment. This beverage manufacturer approached Star Aluminium to resolve specific operational challenges:

- ✕ Safe transit points were required to bridge multiple food production lines within the new facility.
- ✕ The project aimed to eliminate floor-level obstructions that hindered the movement of personnel.
- ✕ Establishing a secure, elevated path for staff was a primary requirement to maintain strict safety standards.
- ✕ The crossover solutions needed to integrate with a broader walkway system spanning over 50 metres.
- ✕ Facilitating quick and safe access to different sections of the plant without interrupting active production was a key objective.



## THE ENGINEERED SOLUTION

Star Aluminium designed and manufactured specialised crossover platforms tailored for the technical demands of a food-grade environment:

- ✕ Custom crossover platforms provide a secure elevated bridge over active food lines.
- ✕ Integrated stair access allows personnel to transition between different production zones safely.
- ✕ The engineering accommodates long spans to cover extensive sections of the facility's layout.
- ✕ High-grade aluminium construction ensures the platforms are durable and easy to clean, meeting food safety requirements.
- ✕ Strong guardrails and non-slip surfaces are included to provide maximum protection for workers at every crossing point.

## THE COMMERCIAL ADVANTAGE

Implementing these engineered crossover solutions provided measurable benefits for beverage production operations:

- ✕ Workplace safety increased by providing dedicated, elevated paths that avoid contact with machinery.
- ✕ The Star Aluminium crossover platform made it easier for staff to move around the building and helped keep production running smoothly.
- ✕ The risk of workplace accidents and cross-contamination was lowered through the use of purpose-built access points.
- ✕ High-quality construction ensures a long service life with minimal maintenance costs for the infrastructure.
- ✕ This investment in custom engineering helps the facility keep up its great work and safety levels in a modern factory.

# MODULAR ACCESS PLATFORMS SECTION 04



## MODULAR ACCESS PLATFORMS MODULAR ACCESS PLATFORMS SOLUTIONS

- STAR MODULAR ACCESS PLATFORMS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY
- ABILITY TO BE ASSEMBLED QUICKLY USING EVERYDAY TOOLS.
- PREDICTABLE INSTALLATION TIMEFRAMES
- SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS.
- EACH UNIT FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS
- BACKED BY A LIFETIME STRUCTURAL WARRANTY.

<p><b>AUSTRALIAN</b> OWNED &amp; OPERATED</p>	<p><b>27+ YEARS IN</b> BUSINESS</p>	<p><b>STRUCTURAL</b> LIFETIME WARRANTY</p>	<p><b>MANUFACTURED</b> TO AS/NZS STANDARDS</p>	<p><b>CUSTOM DESIGN</b> AVAILABLE</p>	<p>ISO 9001:2015 CERTIFIED</p>
---	---	--	--	---	------------------------------------



# MODULAR ACCESS PLATFORMS

MODULAR ACCESS PLATFORMS SOLUTIONS



**SECURE ACCESS GATE**  
Provides safe entry and exit points while maintaining full perimeter protection for operators.

**SAFETY YELLOW HANDRAILS**  
Modular yellow handrails extend and retract to suit platform height and layout, forming continuous edge protection during access.

**PERFORATED DIMPLE PLATFORM**  
Open Perforated Dimple surface improves drainage and slip-resistant underfoot.

**MODULAR DESIGN**  
Stair module integrates seamlessly with modular decks to suit different site layouts.

**250 MM ANTI SLIP TREADS**  
Slip-resistant aluminium ladder treads ensure secure footing and stability, even in wet or dusty conditions.

**FIXED BASE PLATES**  
Base plates allow the platform to be securely anchored to the ground for stable, fixed access.

**FITTED COMPLIANCE PLATE**  
Supports WHS requirements and site compliance.

- OPTIONAL**
- ANTI SLIP BULL NOSING
  - OPTIONAL SAFETY HOOP
  - D BUMPERS
  - SET OF PLATFORM WINGS

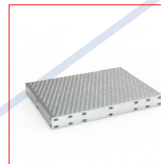


SCAN ME FOR MORE

## MODULAR ACCESS PLATFORMS

### ENGINEERED SIMPLICITY 4 PARTS, INFINITE SITE ADAPTABILITY.

Engineered for rapid deployment and total adaptability, the Star Aluminium modular system utilizes four core components to solve the most complex site access challenges without the need for on-site fabrication.



UNIVERSAL PLATFORMS



SAFETY HANDRAILS



SUPPORT TOWERS



ACCESS STAIRS

### CONFIGURABLE ACCESS TO SUIT EVOLVING SITE LAYOUTS

Star Aluminium Modular Access Platforms provide versatile and safe solutions for any industrial setting. The fully modular design allows you to adjust heights and layouts quickly, eliminating the need for on-site fabrication or welding.

**Key Advantages:**

- Total Adaptability:** Easily add or reconfigure stairs, landings, and sections as your site requirements change.
- Light & Robust:** High-grade aluminium ensures easy handling and installation without compromising on long-term durability.
- Fast Assembly:** The simple bolt-together design reduces site downtime and requires only standard tools.
- Safety Focused:** Engineered to meet workplace safety requirements with reliable edge protection and stable access points.
- Versatile Use:** A proven solution for mining, aviation, transport, and major infrastructure projects.





This beverage manufacturer is a top global provider of natural, fermented drinks, with a focus on organic kombucha and healthy options. The company runs a modern plant, blending old-school fermentation with efficient production. The beverage manufacturer supplies many major retailers worldwide with a range of sugar-free drinks. With the focus on fresh ideas and quality, the company earned a solid reputation in the food and beverage market.

## PROJECT USE-CASES

### BEVERAGE MANUFACTURER

## PROJECT FOCUS

A major Australian food manufacturer required a precision access solution to navigate unique operational hurdles on a high-speed production line:

- ✘ Navigating Tight Clearances: The primary challenge was providing safe access to load tanks positioned within a restrictive and narrow "planter-box" setup.
- ✘ Strict Dimensional Limits: The brief called for a 1450 mm high platform with a maximum 1000 mm width to ensure the unit didn't impede existing floor traffic.
- ✘ Continuous Access Needs: Instead of a single landing, the facility required a platform spanning the full length of the tanks for an uninterrupted workflow.
- ✘ Urgent Implementation: Minimising downtime was critical, necessitating a solution that could be designed, approved, and deployed within a very tight window.



## THE COMMERCIAL ADVANTAGE

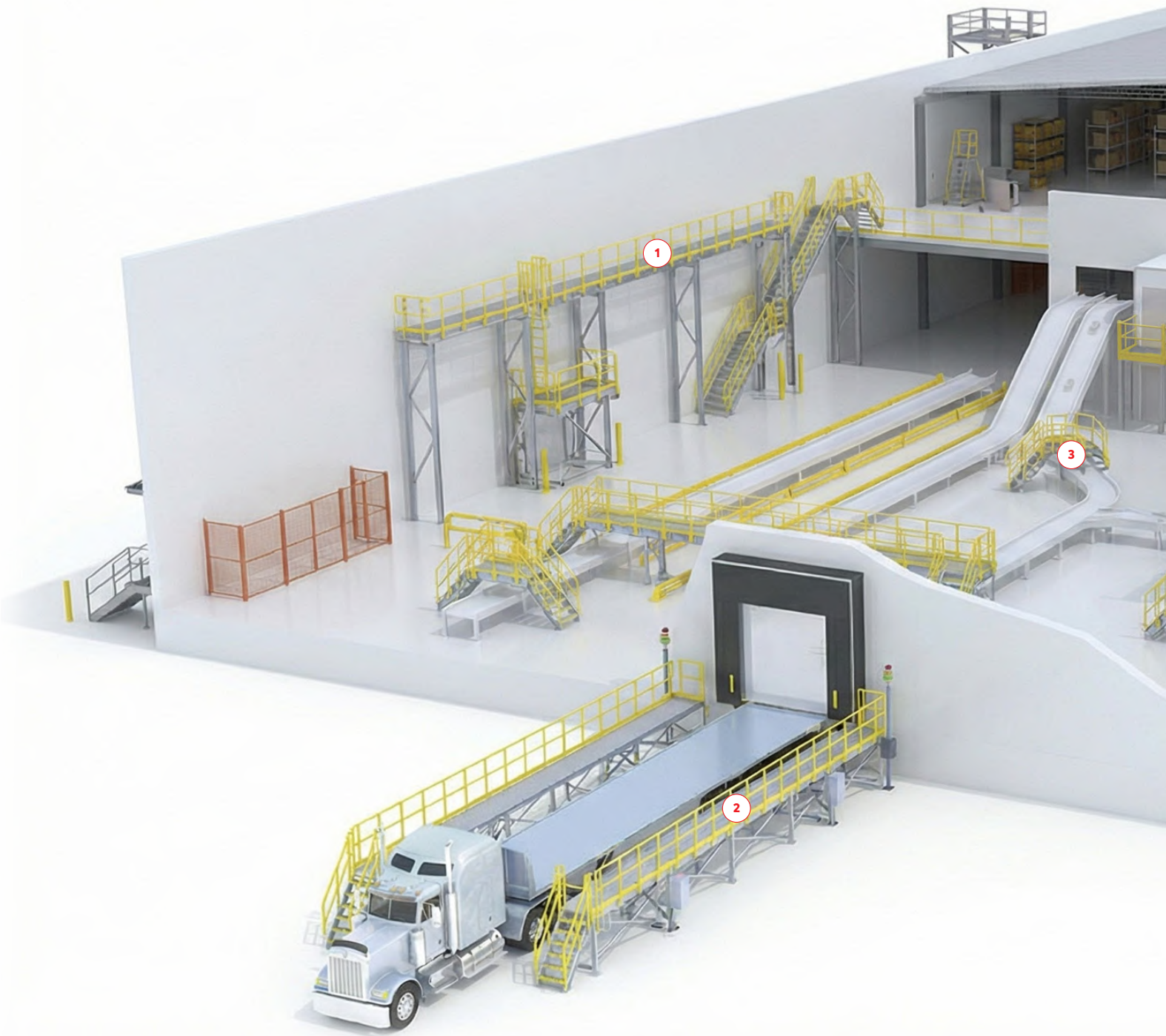
Moving beyond standard equipment, Star Aluminium developed a bespoke crossover system tailored for the rigorous hygiene and safety standards of a food-grade facility:

- ✘ Custom-Span Engineering: We engineered a long-span platform that provided the crew with total, secure access across the entire tank suite in one go.
- ✘ Precision Stair Geometry: The stairs were configured with specific clearances to hop over the planter box boundaries, integrating seamlessly into the site's layout.
- ✘ Collaborative Design: Using the client's original sketches, our team produced a technical concept that validated the solution before a single bolt was tightened.
- ✘ Modular Onsite Assembly: Utilising our modular stair system, the kit was delivered ready for fast installation by the facility's own maintenance team.

## THE ENGINEERED SOLUTION

The deployment of this engineered solution delivered immediate, tangible gains for the manufacturer's daily operations and safety profile:

- ✘ Exceeding the Brief: The final implementation surpassed the client's original vision, offering superior ergonomics and long-term operational efficiency.
- ✘ Rapid Project Turnaround: We fast-tracked the process from concept to final fit-out, ensuring the facility met its production targets without delay.
- ✘ Optimised Footprint: The custom fit provided a maximum working area while maintaining clear traffic flow around the high-speed production line.
- ✘ WHS Risk Mitigation: By installing a fit-for-purpose platform, the facility effectively eliminated the risk of trips or strains during the manual loading process.



**1 STRUCTURAL WALL-MOUNT WALKWAYS**

**SECURE HIGH-LEVEL ACCESS:** SAFE, STEADY ACCESS FOR WALL-SIDE MAINTENANCE AND INSPECTIONS.

**SPACE-SAVING STRUCTURAL MOUNT:** FREES UP FLOOR SPACE BY MOUNTING TO EXISTING STRUCTURES.

**RIGID HEAVY-DUTY BUILD:** ENGINEERED FOR A WOBBLE-FREE PATH IN TOUGH AUSSIE CONDITIONS.

**2 TRUCK & TRAILER SAFETY PLATFORMS**

**STOP THE FALLS:** DEDICATED FALL PROTECTION FOR LOADING AND UNLOADING FLATBED TRAILERS.

**FAST LOGISTICS:** GET IMMEDIATE, SAFE ACCESS TO CARGO AREAS TO KEEP YOUR FLEET MOVING.

**HIGH-VIS SAFETY:** BRIGHT YELLOW HANDRAILS MAKE SAFETY ZONES CLEAR IN BUSY LOADING DOCKS.

**3 CONVEYOR LINKWAYS**

**WALK OVER PRODUCTION:** CROSS OVER AUTOMATED LINES WITHOUT STOPPING THE WORKFLOW.

**CUSTOM FIT:** EASILY ADJUST THE HEIGHT AND WIDTH TO SUIT YOUR SPECIFIC MACHINERY LAYOUT.

**NON-SLIP FLOORS:** HIGH-TRACTION GRATING ENSURES SAFE FOOTING IN BUSY WORK ZONES.



**4 SAFE ROOF CROSSOVERS**      **5 CLEAN & CLEAR PATHWAYS**      **6 FAST STEP ENTRIES**

**CLEAR OBSTACLES:** EASILY CROSS OVER PARAPETS, CABLE TRAYS, AND HVAC UNITS ON ANY ROOF.

**ROOF PROTECTION:** LIGHTWEIGHT DESIGN THAT WON'T DAMAGE ROOF MEMBRANES BUT PROVIDES A SOLID PATH.

**FULLY COMPLIANT:** DESIGNED AND TESTED TO MEET AS 1657 STANDARDS FOR FIXED WALKWAYS.

**REMOVE TRIP HAZARDS:** CREATE SAFE, ELEVATED PATHS OVER FLOOR PIPING AND CABLE BUNDLES.

**MOVE & RE-USE:** CHANGE YOUR WALKWAY LAYOUT WHENEVER YOUR FACTORY FLOOR CHANGES.

**MAINTENANCE READY:** IDEAL FOR QUICK ACCESS TO PIPES AND VALVES DURING INSPECTIONS.

**INSTANT STAIRS:** PRE-MADE STEP UNITS FOR SITE OFFICES, SHIPPING CONTAINERS, AND CABINS.

**NO HOT-WORKS:** JUST BOLT IT TOGETHER ON-SITE WITH STANDARD TOOLS—NO WELDING REQUIRED.

**EASY ON THE KNEES:** ERGONOMIC STEP DESIGN FOR COMFORTABLE, REPEATED DAILY USE.

**7 FAST STEP ENTRIES**

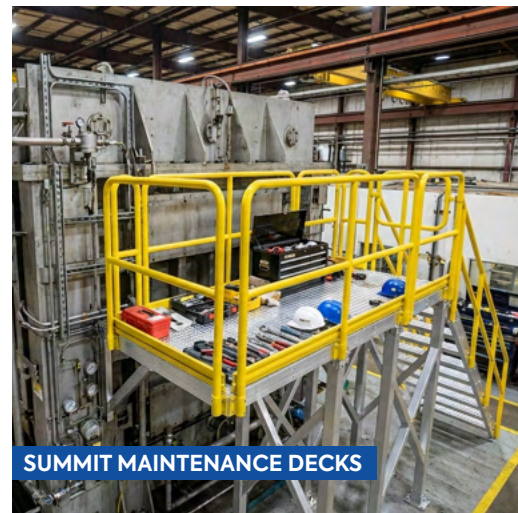
**PRECISION ACCESS:** PLATFORMS BUILT FOR SAFE MACHINE SERVICING AND RACKING CHECKS.

**360° PROTECTION:** INTEGRATED RAILS AND SAFETY GATES KEEP YOUR TEAM SECURE AT ANY HEIGHT.

**SOLID FOUNDATION:** STRONG TOWER SUPPORTS THAT HANDLE DAILY OPERATIONAL LOADS WITH EASE.



## MODULAR ACCESS PLATFORMS



**SUMMIT MAINTENANCE DECKS**



**PRECISION MACHINE ASCENT STAIRS**



**POWER-UNIT ACCESS MODULES**



**CONVEYOR CROSSOVERS**



**PIPE CROSSOVERS**



**FUSELAGE SERVICE PLATFORMS**



## TANKER ACCESS SOLUTIONS SECTION 05

### ADJUSTABLE TANKER PLATFORM

HEIGHT-ADJUSTABLE ACCESS PLATFORMS DESIGNED TO SUPPORT SAFE INSPECTION, MAINTENANCE AND SERVICING TASKS AROUND TANKER VEHICLES AND INDUSTRIAL VESSELS.

57

### STAR TANKER HATCH ACCESS

PURPOSE-ENGINEERED ACCESS SYSTEMS PROVIDING CONTROLLED AND SECURE REACH TO TANKER HATCHES AND ELEVATED OPENINGS IN OPERATIONAL ENVIRONMENTS.

59

# ADJUSTABLE TANKER PLATFORM

## TANKER ACCESS SOLUTIONS

HEIGHT RANGE	HOOP GUARDRAIL	FOOTPRINT
3.0 - 4.5 m	1350 x 1350 mm	3000 mm x 1200 mm

<b>1999</b> ESTD	<b>STRUCTURAL</b>	<b>27+</b> YEARS IN BUSINESS	<b>MANUFACTURED</b>	<b>CUSTOM DESIGN</b>
OWNED & OPERATED	LIFETIME WARRANTY		TO AS/NZS STANDARDS	AVAILABLE

STAR ADJUSTABLE TANKER PLATFORMS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY

HEIGHT RANGE: 3000 MM - 4500 MM

HOOP GUARDRAIL: 1350MM X 1350MM

FOOTPRINT: 3000MM LONG X 1200MM WIDE

EACH UNIT FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS

BACKED BY A LIFETIME STRUCTURAL WARRANTY.



# ADJUSTABLE TANKER PLATFORM

## TANKER ACCESS SOLUTIONS



**BOOM ARM**  
The hinged boom arm opens for safe ladder access and closes once on the platform to maintain continuous edge protection.

**DOUBLE SWING GATES**  
Dual gates provide secure access to the upper landing while maintaining a complete safety enclosure around the platform.

**ENCLOSED HOOP GUARDRAIL**  
Hoop-guarded landing provides safe access and stable standing space around the hatch area.

**LEVELING JACK SYSTEM**  
Four adjustable jacks stabilise the platform on uneven or unsealed ground.

**HEAVY DUTY WINCH SYSTEM**  
Hand-operated winch adjusts the working height to suit different tanker profiles.

**FOLDING STEPS**  
The bottom steps can be folded away when not in use to maximise floor space around the base.

**HEAVY-DUTY MOBILITY WHEELS**  
Integrated wheels allow easy positioning before the platform is jacked off the ground.

**FITTED COMPLIANCE PLATE**  
Supports WHS requirements and site compliance.

**OPTIONAL**

**ANTI SLIP BULL NOSING**

**GRID MESH DECK**

**D BUMPERS**

**POWDER COATING**



**SCAN ME FOR MORE**

TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER

# STAR TANKER HATCH ACCESS

## TANKER ACCESS SOLUTIONS

- STAR TANKER HATCH ACCESS SOLUTIONS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY
- ROBUST CONSTRUCTION WITH CHECKER-PLATE DECK SURFACE FOR SECURE FOOTING
- THIS INNOVATIVE UNIT FEATURES A ROBUST PNEUMATIC OR HYDRAULIC DROP STAIR SYSTEM
- INTEGRATED PROTECTIVE HOOP
- SUITABLE FOR ACCESSING BOTH TANKER HATCHES AND ISO CONTAINERS
- EACH UNIT FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS
- BACKED BY A LIFETIME STRUCTURAL WARRANTY



**AUSTRALIAN**  
OWNED & OPERATED



**27+ YEARS IN**  
BUSINESS



**STRUCTURAL**  
LIFETIME WARRANTY



**MANUFACTURED**  
TO AS/NZS STANDARDS



**CUSTOM DESIGN**  
AVAILABLE



# STAR TANKER HATCH ACCESS

TANKER ACCESS SOLUTIONS



### PNEUMATIC & HYDRAULIC CYLINDER

High-performance cylinders ensure the smooth lowering and raising of drop stairs.



### ERGONOMIC ACCESS STAIRS

Optimised stair angle with slip-resistant treads for controlled access.



### D BUMPERS

Durable protective strips reduce ground impact and protect the platform base.



### SAFETY HOOP

Integrated hoop guard and working platform enclose the hatch area, providing safe standing space for operators and equipment.



### FITTED COMPLIANCE PLATE

Supports WHS requirements and site compliance.

### OPTIONAL



ANTI SLIP BULL NOSING



POWDER COATING



D BUMPERS



SCAN ME FOR MORE

As a cornerstone of Australia's rail logistics network, this premier operator specialises in the maintenance and overhaul of heavy locomotives and freight wagons. Managing complex engineering tasks across a national footprint, they ensure the reliability of critical transport infrastructure where high safety standards and technical precision are paramount.

## PROJECT USE-CASES

LOCOMOTIVE INDUSTRY COMPANY

### PROJECT FOCUS

A versatile height-access solution was required to support repair and maintenance operations across four major workshop locations in Australia. This locomotive industry company approached Star Aluminium to address several technical challenges:

- ⊗ Safe access was needed for technicians to perform repairs on locomotives and wagons of varying heights.
- ⊗ The project required a solution that could be standardised across multiple sites to ensure consistent safety protocols.
- ⊗ Providing secure fall protection for workers accessing the top sections of rail vehicles was a primary requirement.
- ⊗ Adaptable equipment was required to handle different maintenance scenarios, from structural repairs to routine inspections.
- ⊗ Improving the overall speed and safety of the maintenance workflow was a key objective for the company.

## THE COMMERCIAL ADVANTAGE

Implementing these adjustable access platforms resulted in measurable operational benefits for the locomotive industry company:

- ⊗ Workplace safety has been significantly enhanced, with the enclosed guardrail system minimising the risk of falls from height.
- ⊗ Maintenance productivity increased as technicians can now access various rail vehicle types using a single, versatile piece of equipment.
- ⊗ The standardisation of safety equipment across four national locations has simplified training and equipment management.
- ⊗ Faster repair cycles for locomotives and wagons lead to reduced downtime and improved fleet availability.
- ⊗ The durable, industrial-grade construction ensures a high return on investment and long-term reliability in tough and busy workshop environments.



## THE ENGINEERED SOLUTION

Star Aluminium delivered the Star Adjustable Tanker Access Platform, specifically configured and engineered for the technical demands of the rail industry:

- ⊗ The adjustable height mechanism allows a single platform to service multiple types of locomotives and wagons.
- ⊗ An integrated enclosed hoop guardrail system provides 360-degree fall protection for workers on top of vehicles.
- ⊗ The platform is engineered with a high-strength frame to maintain total stability during heavy-duty maintenance tasks.
- ⊗ Specialised safety gates and non-slip surfaces are included to ensure secure entry and exit for personnel.
- ⊗ The mobile design allows the units to be easily positioned within different bays across the workshop floor.





Operating as a critical link between sea and land transport networks, this specialist manages large-scale dry and liquid bulk cargo operations at major port facilities. With high-volume loading processes executed daily, the organisation requires robust infrastructure and uncompromising safety standards to support the efficiency of global supply chains.

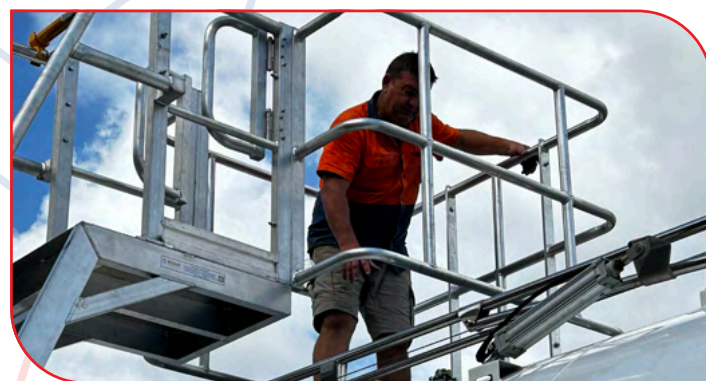
## PROJECT USE-CASES

MARITIME TERMINAL OPERATOR

### PROJECT FOCUS

A flexible height-access solution was required to facilitate safe operations on top of tanker trucks at the port facility. This maritime terminal operator approached Star Aluminium with several specific operational goals:

- ✘ A reliable method was needed to reach tanker hatches for inspection and loading tasks.
- ✘ The project required a platform with a significant height-adjustment range to accommodate different truck sizes.
- ✘ Establishing comprehensive fall protection for personnel working on elevated vehicle surfaces was a primary goal.
- ✘ The solution had to be durable enough to withstand the tough environment of a busy maritime terminal.
- ✘ Improving the overall speed and safety of the tanker servicing process was a key objective for the facility.



## THE COMMERCIAL ADVANTAGE

Implementing this adjustable tanker platform resulted in significant operational benefits for the terminal facility:

- ✘ Workplace safety standards were elevated, providing staff with maximum security during elevated tasks.
- ✘ Operational flexibility improved as a single platform can now service various truck heights within the fleet.
- ✘ The high level of satisfaction with the product has led to plans for purchasing additional units to expand site capacity.
- ✘ Faster and safer access to tanker hatches reduces vehicle turnaround times and increases terminal throughput.
- ✘ This high-quality engineering supports the facility's commitment to maintaining a secure and productive industrial work environment.

## THE ENGINEERED SOLUTION

Star Aluminium delivered the Star Adjustable Tanker Access Platform, specifically engineered for industrial versatility:

- ✘ This platform offers an extensive adjustable height range of 3.0 metres to 4.5 metres.
- ✘ An integrated safe hoop guardrail system provides 360-degree fall protection for operators on top of the tankers.
- ✘ The robust design ensures a perfect fit for a variety of tanker truck configurations used in bulk transport.
- ✘ High-strength aluminium construction provides a stable and secure working environment while remaining easy to position.



Recognised as a top global provider of mining and infrastructure solutions, the organisation specialises in the manufacture and supply of explosives, blasting technology, and geotechnical monitoring tools. Beyond industrial products, they deliver advanced digital services for the sustainable mobilisation of earth resources. Supported by an extensive fleet of tankers and isotainers, the company ensures the reliable delivery of critical materials to projects worldwide.

## PROJECT USE-CASES

**MINING AND INFRASTRUCTURE SOLUTIONS PROVIDER**

### PROJECT FOCUS

A specialised engineered solution was required to improve safety during tanker loading and inspection. Several key operational goals were identified for this project:

- ⊗ Safe access was needed for operators to reach the top of tankers and access hatches securely.
- ⊗ The project aimed to integrate a new height-adjustable system with an existing fixed platform on site.
- ⊗ A primary requirement was to allow trucks and isotainers to move freely underneath the access equipment.
- ⊗ The solution needed to provide a stable and enclosed environment for workers at height.
- ⊗ Modernising the existing infrastructure with automated safety features was a core focus of the request.



### THE ENGINEERED SOLUTION

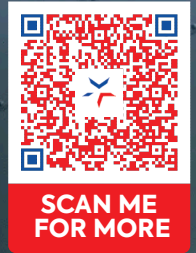
Star Aluminium designed and manufactured a custom hoop system with integrated stairs, utilising advanced pneumatic technology:

- ⊗ The system features a safety hoop with stairs that attach directly to the site's fixed platform.
- ⊗ Pneumatic cylinders allow for smooth and precise height adjustment of the safety hoop.
- ⊗ The design allows vehicles to position themselves underneath the hoop before the platform is safely lowered.
- ⊗ The hoop drops down onto the tanker top, creating a secure and 360-degree fall protection barrier.
- ⊗ This engineered solution provides a stable walking surface and easy access to hatches for the operator.

### THE COMMERCIAL ADVANTAGE

Implementing this pneumatic hoop system provided significant operational benefits for this mining solutions provider:

- ⊗ Workplace safety increased by providing a fail-safe fall protection system for tanker operators.
- ⊗ Operational efficiency improved through the use of quick-adjust pneumatic cylinders, reducing vehicle turnaround times.
- ⊗ The ability to integrate with existing on-site platforms saved on the high costs of new infrastructure.
- ⊗ Standardised safety protocols were strengthened, reducing the risk of accidents during critical loading tasks.
- ⊗ This high-quality engineering ensures long-term reliability and supports the provider's commitment to sustainable and safe operations.



## STAIRS & RAMPS SECTION 06

### TANK ACCESS STAIR TOWER

65

MULTI-LEVEL STAIR TOWER SYSTEMS DESIGNED TO PROVIDE SAFE AND CONTROLLED ACCESS TO ELEVATED TANKER AND VESSEL ACCESS POINTS.

### GANGWAYS

68

LIGHTWEIGHT MODULAR BRIDGING SYSTEMS ENGINEERED FOR SAFE PEDESTRIAN TRANSIT AND COMPLIANT ACCESS ACROSS CIVIL INFRASTRUCTURE AND INDUSTRIAL WORK ZONES.

### MODULAR ALUMINIUM CROSSING SYSTEM

70

MODULAR CROSSING SOLUTIONS DESIGNED TO BRIDGE OVER SERVICES, CONVEYORS AND FIXED OBSTACLES WITHIN OPERATIONAL ENVIRONMENTS.

### ALUMINIUM STAIRS

71

FIXED AND MODULAR STAIR SYSTEMS PROVIDING DURABLE, LONG-TERM ACCESS BETWEEN DIFFERING SITE LEVELS.

### SELF LEVELLING STAIRS

73

ADJUSTABLE STAIR SYSTEMS ENGINEERED TO MAINTAIN STABLE ACCESS ON UNEVEN OR VARIABLE GROUND CONDITIONS.

### ALUMINIUM RAMPS

77

LIGHTWEIGHT RAMP SOLUTIONS PROVIDING SMOOTH AND CONTINUOUS ACCESS BETWEEN SURFACE LEVEL CHANGES.

### CONCRETE SITE ACCESS RAMP

80

PERMANENT ACCESS RAMPS DESIGNED TO SUPPORT HIGH-TRAFFIC MOVEMENT AND LONG-TERM SITE INFRASTRUCTURE REQUIREMENTS.

### SITE DECK ACCESS BRIDGE

81

BRIDGING STRUCTURES ENABLING SAFE ACCESS BETWEEN DECKS, PLATFORMS AND ELEVATED WORK AREAS.

# TANK ACCESS STAIR TOWER

## STAIRS & RAMPS

- STAR TANK ACCESS STAIR TOWERS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY, DELIVERING LONG-TERM STRUCTURAL PERFORMANCE IN DEMANDING SITE ENVIRONMENTS.
- PURPOSE-DESIGNED STAIR TOWER CONFIGURATION ENABLES SAFE, CONTROLLED ACCESS TO ELEVATED TANK ROOFS AND INSPECTION POINTS.
- MODULAR, BOLT-TOGETHER DESIGN ALLOWS THE SYSTEM TO BE CONFIGURED TO SUIT SITE LAYOUT AND TANK GEOMETRY.

EACH UNIT IS FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS.

BACKED BY A LIFETIME STRUCTURAL WARRANTY.

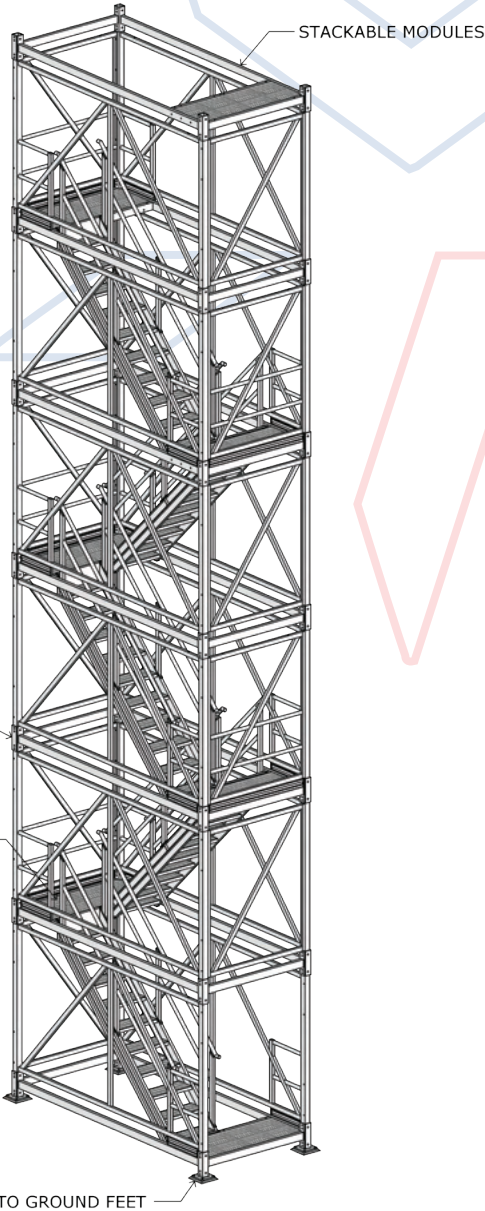
**1999**  
ESTD  
**AUSTRALIAN**  
OWNED & OPERATED

**27+**  
**27+ YEARS IN**  
BUSINESS

**STRUCTURAL**  
LIFETIME WARRANTY

**MANUFACTURED**  
TO AS/NZS STANDARDS

**CUSTOM DESIGN**  
AVAILABLE



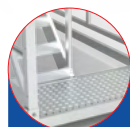
# TANK ACCESS STAIR TOWER

## STAIRS & RAMPS



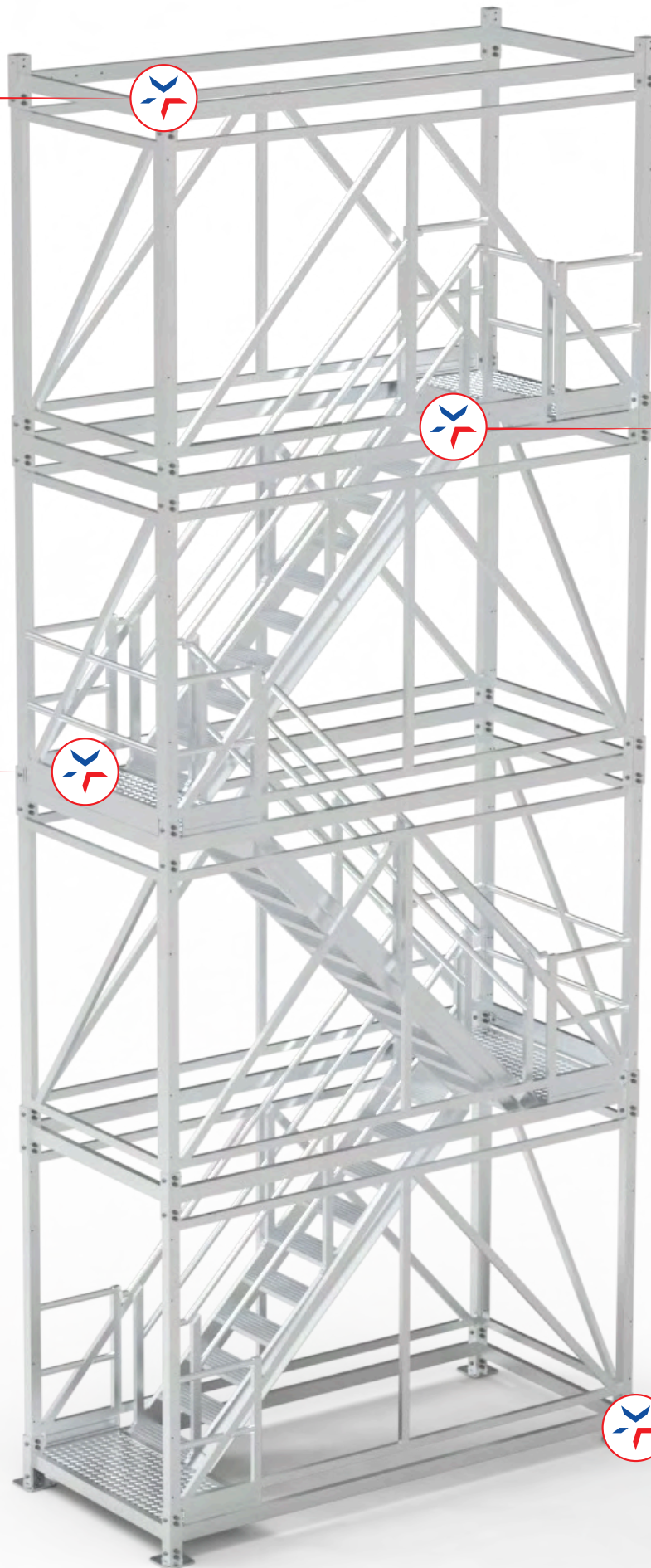
### INTEGRATED LIFTING POINTS

Designed with high-strength, engineered lifting points located at the top of the tower frame for safe and efficient crane handling.



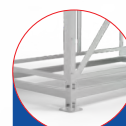
### MESH LANDINGS

Durable mesh decks offer superior grip and visibility, ensuring safe transition points between stair flights in all weather conditions.



### MODULAR SECTIONS

The stackable design allows for easy assembly and transport, with independent sections that bolt together to reach the required height.



### BOLT TO GROUND FEET

The base of each column is designed to be bolted directly to the surface, maximizing lateral stability for multi-level stair towers.



### FITTED COMPLIANCE PLATE

Supports WHS requirements and site compliance.



SCAN ME FOR MORE

TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER



A tank manufacturer business required a safe and reliable access solution to support inspection and servicing activities on large storage tanks. Operating within an industrial production environment, the facility regularly manages tanks reaching heights of approximately 12 metres. Safe, repeatable access to tank roofs was essential to support ongoing quality control, inspection and maintenance processes.

## PROJECT USE-CASES

TANK MANUFACTURER

### PROJECT FOCUS

The project focused on delivering a practical and compliant access system to support routine work at heights. Key requirements identified for this application included:

- ⊗ Safe and secure access to hatches on tank roofs at heights of up to 12 metres.
- ⊗ A stair-based solution that could be efficiently assembled on site.
- ⊗ A stable and enclosed access path to support regular inspection tasks.
- ⊗ A solution capable of being standardised across multiple installations.



## THE COMMERCIAL ADVANTAGE

The implementation of the Tank Access Stair Tower delivered clear operational and commercial benefits for the tank manufacturer: Workplace safety was significantly improved through stable, purpose-built access to elevated work areas.

- ⊗ Inspection and maintenance tasks could be carried out more efficiently and consistently.
- ⊗ The modular design allowed the solution to be adopted as a standard access system across the site.
- ⊗ Reduced reliance on temporary access equipment improved compliance and risk management.
- ⊗ The scalable nature of the stair tower supports future expansion as tank heights and site requirements change.

## THE ENGINEERED SOLUTION

Star Aluminium designed and manufactured a modular Tank Access Stair Tower to meet the site's operational and safety requirements: The stair tower provides a fixed, multi-level access system enabling safe ascent to tank roofs.

- ⊗ Modular construction allows the stair tower height to be configured to suit different tank elevations.
- ⊗ Robust aluminium construction delivers long-term durability while remaining lightweight for installation.
- ⊗ Full handrails, guardrails and intermediate landings ensure continuous edge protection during use.
- ⊗ The system is designed for efficient on-site assembly, minimising installation time and disruption.

# GANGWAYS

## STAIRS & RAMPS

STAR ALUMINIUM GANGWAYS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY, PROVIDING SAFE AND RELIABLE ELEVATED ACCESS ACROSS INDUSTRIAL ENVIRONMENTS.

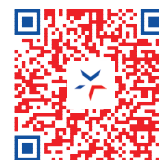
EACH GANGWAY IS FITTED WITH COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS.

BACKED BY A LIFETIME STRUCTURAL WARRANTY

GANGWAYS CAN BE DESIGNED AS FIXED OR REMOVABLE SYSTEMS DEPENDING ON OPERATIONAL REQUIREMENTS.

SUPPLIED IN MODULAR SECTIONS TO SUPPORT EFFICIENT TRANSPORT AND ON-SITE ASSEMBLY.

SPECIFICATION	GANGWAY 2	GANGWAY 3	GANGWAY 4	GANGWAY 5	GANGWAY 6
	2000 mm	3000 mm	4000 mm	5000 mm	6000 mm
RANGE	TOTAL WIDTH	WALKWAY WIDTH	RAMP LENGTH	HANDRAIL HEIGHT	LOAD RATING
	1300 mm	1200 mm	640 mm	1000mm	UP TO 2.5 KPA



SCAN ME FOR MORE

**1999**  
ESTD  
**AUSTRALIAN**  
OWNED & OPERATED

**27+**  
**YEARS IN**  
BUSINESS

**STRUCTURAL**  
LIFETIME WARRANTY

**MANUFACTURED**  
TO AS/NZS STANDARDS

**2.5**  
KPA  
**2.5 kPa**  
LOAD RATING

**CUSTOM DESIGN**  
AVAILABLE

ISO 9001:2015  
CERTIFIED  
CLIP  
RISK MANAGEMENT  
CERTIFICATION

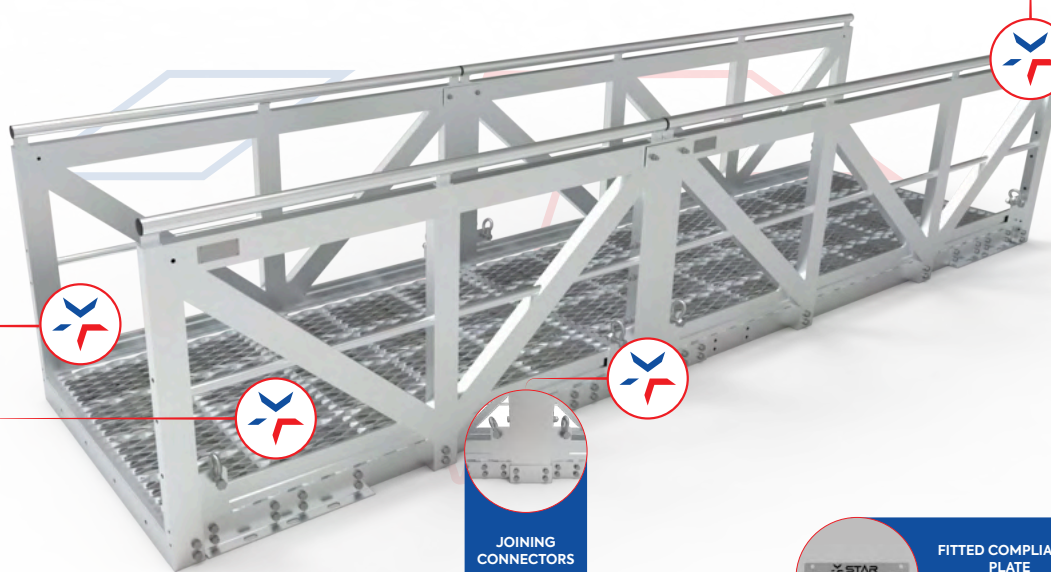


### FULL HEIGHT HANDRAILS

Handrails offer continuous edge protection for confident boarding and disembarkation.

**LIFTING POINTS**  
Heavy-duty points designed for safe hoisting and overhead transport of the equipment.

**GRID MESH DECK MATERIAL**  
Slip-resistant deck options enhance safe boarding in wet and marine conditions.



**JOINING CONNECTORS**  
Integrated heavy-duty connection points allow multiple gangway units to be joined securely, creating a stable and continuous walkway for any required span.

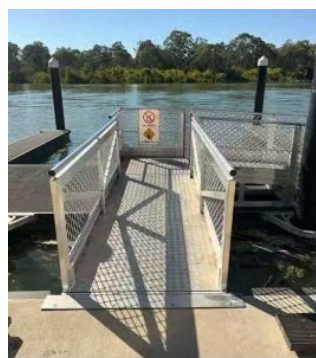
**FITTED COMPLIANCE PLATE**  
Supports WHS requirements and site compliance.

### OPTIONAL

**CHECKER PLATE RAMP**

**BOLT TOGETHER BRIDGE SYSTEM**

**POWDER COATING**





A development company delivering major road infrastructure projects required a temporary access solution to maintain safe site movement during the construction of a permanent bridge. Ongoing works created the need for a reliable gangway walkway system that could provide immediate access while long-term infrastructure was being completed.

## PROJECT USE-CASES

### CIVIL INFRASTRUCTURE PROJECT

## PROJECT FOCUS

The project focused on delivering a temporary, compliant access solution capable of supporting day-to-day site operations throughout the bridge construction phase. Key requirements identified for the project included: Safe pedestrian access across the work area while permanent structures were under construction.

- ⊗ A system that could be installed and removed efficiently as site conditions evolved.
- ⊗ Stable and enclosed walkways suitable for active civil construction environments.
- ⊗ Compliance with workplace safety requirements without disrupting construction workflows.



## THE COMMERCIAL ADVANTAGE

The implementation of the temporary gangway walkway system delivered measurable benefits for the project: Site safety was improved by providing a clearly defined and protected access route.

- ⊗ Construction activities continued without interruption, reducing delays during critical project stages.
- ⊗ The temporary nature of the solution avoided the cost and complexity of permanent interim works.
- ⊗ The modular system provided flexibility to adapt to changing site conditions as construction progressed.



## THE ENGINEERED SOLUTION

Star Aluminium designed and supplied a modular gangway walkway system tailored to suit the temporary access requirements of the site:

- ⊗ A modular aluminium gangway system was configured to span the required access distance across the work zone.
- ⊗ Lightweight yet robust construction enabled efficient installation and later removal as the project progressed.
- ⊗ Integrated handrails and guardrails provided continuous edge protection for personnel using the walkway.
- ⊗ The system allowed safe, uninterrupted movement across the site without interfering with construction activities below.

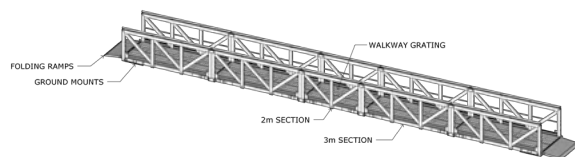


# MODULAR ALUMINIUM CROSSING SYSTEM

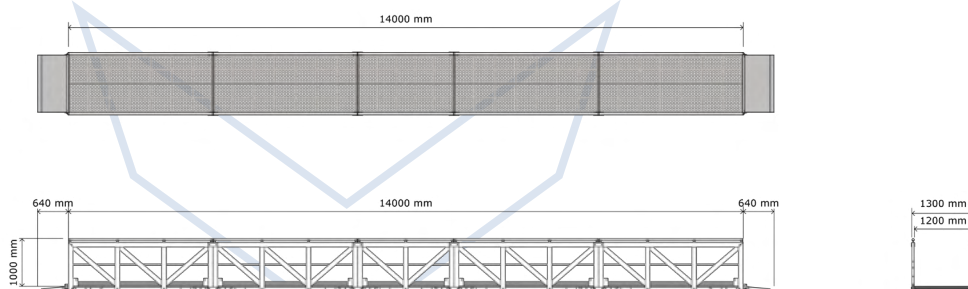
## STAIRS & RAMPS

- MODULAR BRIDGE SECTIONS CAN BE JOINED TOGETHER TO CREATE EXTENDED CLEAR-SPAN CROSSINGS, ACCOMMODATING VARYING SITE WIDTHS AND ACCESS REQUIREMENTS.
- MODULAR COMPONENTS ALLOW THE SYSTEM TO BE CONFIGURED FOR TEMPORARY OR SEMI-PERMANENT SITE INSTALLATIONS.
- STANDARD DECK WIDTHS ALLOW FOR SAFE TWO-WAY PEDESTRIAN MOVEMENT WHILE MAINTAINING CONTROLLED SITE FLOW.
- DESIGNED TO SUPPORT DEMANDING SITE CONDITIONS WITH A HEAVY-DUTY LOAD RATING SUITABLE FOR INDUSTRIAL USE.
- END RAMP OPTIONS ENABLE SMOOTH TRANSITIONS FROM GROUND LEVEL ONTO THE BRIDGE DECK.
- BACKED BY A LIFETIME STRUCTURAL WARRANTY.

- AUSTRALIAN OWNED & OPERATED**
- 27+ YEARS IN BUSINESS**
- STRUCTURAL LIFETIME WARRANTY**
- MANUFACTURED TO AS/NZS STANDARDS**
- CUSTOM DESIGN AVAILABLE**



**FITTED COMPLIANCE PLATE**  
Supports WHS requirements and site compliance.

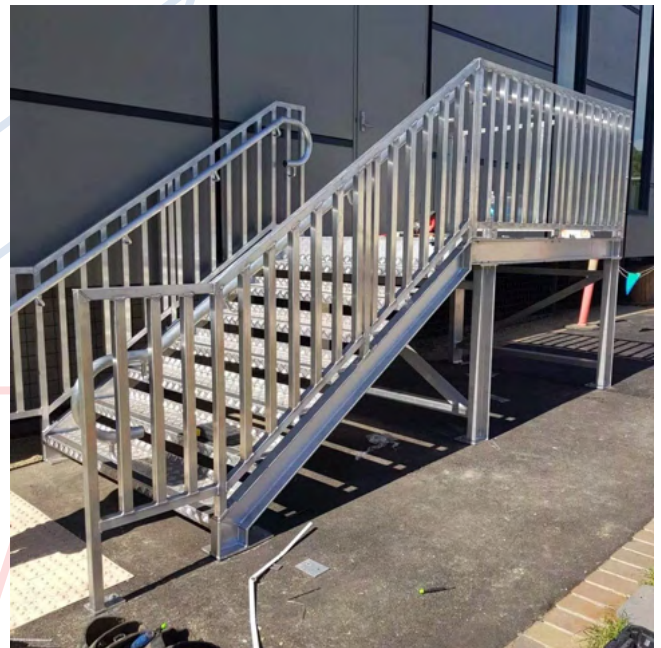


# ALUMINIUM STAIRS

## STAIRS & RAMPS

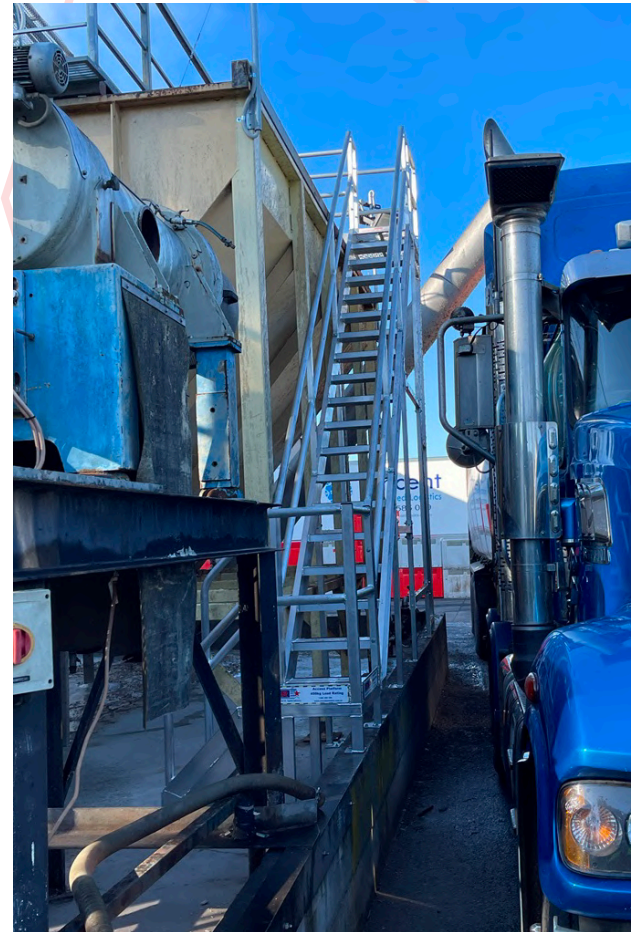
- STAR ALUMINIUM STAIRS ARE ENGINEERED ACCESS SOLUTIONS DESIGNED TO PROVIDE RELIABLE, SAFE AND DURABLE VERTICAL ACCESS ACROSS INDUSTRIAL AND COMMERCIAL ENVIRONMENTS.
- LIGHTWEIGHT YET STRONG ALUMINIUM CONSTRUCTION DELIVERS LONG-TERM PERFORMANCE WHILE REMAINING EASY TO TRANSPORT AND INSTALL ON SITE.
- STAIR UNITS CAN BE SUPPLIED AS FIXED, FREE-STANDING OR BOLT-ON INSTALLATIONS DEPENDING ON OPERATIONAL NEEDS.
- EACH STAIR SYSTEM IS FITTED WITH A COMPLIANCE PLATE TO SUPPORT WSH REQUIREMENTS.
- BACKED BY A LIFETIME STRUCTURAL WARRANTY.

<b>AUSTRALIAN</b> OWNED & OPERATED	<b>27+ YEARS IN</b> BUSINESS	<b>STRUCTURAL</b> LIFETIME WARRANTY	<b>MANUFACTURED</b> TO AS/NZS STANDARDS	<b>CUSTOM DESIGN</b> AVAILABLE

**SCAN ME FOR MORE**

# SITE APPLICATIONS



TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER

# SELF LEVELLING STAIRS

## STAIRS & RAMPS

PRODUCT NAME	HEIGHT RANGE (MIN – MAX)	WIDTH	HANDRAIL HEIGHT	STEPS	LOAD RATING	APPROX. WEIGHT
SLS 650X6STEPS	600 – 1400 mm	650 mm	1000 mm	6	2.5 KPA	60 KG
SLS 650X9STEPS	1290 – 2100 mm	650 mm	1000 mm	9	2.5 KPA	85 KG
SLS 650X12STEPS	1800 – 2750 mm	650 mm	1000 mm	12	2.5 KPA	110 KG
SLS 650X15STEPS	2600 – 3400 mm	650 mm	1000 mm	15	450 KG	130 KG
SLS 650X18STEPS	3300 – 4100 mm	650 mm	1000 mm	18	450 KG	155 KG
SLS 1200X6STEPS	600 – 1400 mm	1200 mm	1000 mm	6	2.5 KPA	80 KG
SLS 1200X9STEPS	1290 – 2100 mm	1200 mm	1000 mm	9	2.5 KPA	110 KG
SLS 1200X12STEPS	1800 – 2750 mm	1200 mm	1000 mm	12	2.5 KPA	140 KG
SLS 1200X15STEPS	2600 – 3400 mm	1200 mm	1000 mm	15	450 KG	170 KG
SLS 1200X18STEPS	3300 – 4100 mm	1200 mm	1000 mm	18	450 KG	205 KG

STAR SELF LEVELLING STAIRS ARE ENGINEERED TEMPORARY ACCESS SOLUTIONS DESIGNED TO PROVIDE SAFE AND STABLE STAIR ACCESS ACROSS MULTIPLE WORKING HEIGHTS AND UNEVEN GROUND CONDITIONS.

AVAILABLE IN 650 MM SINGLE-WIDTH OR 1200 MM DOUBLE-WIDTH CONFIGURATIONS TO SUIT VARYING TRAFFIC VOLUMES AND OPERATIONAL REQUIREMENTS.

ALUMINIUM STAIR TREADS WITH HIGH-VISIBILITY YELLOW ANTI-SLIP NOSING DELIVER SECURE FOOTING AND IMPROVED EDGE AWARENESS DURING ASCENT AND DESCENT.

POWDER-COATED HANDRAILS AND REMOVABLE GUARDRAIL CONFIGURATIONS PROVIDE CONTINUOUS EDGE PROTECTION WHILE ALLOWING FLEXIBILITY FOR TRANSPORT AND POSITIONING.

INTEGRATED CRANE LIFTING POINTS AND FORKLIFT POCKETS ENABLE EFFICIENT RELOCATION BETWEEN WORK AREAS AND SITES.

OPTIONAL LANDING PLATFORMS PROVIDE STABLE WORKING AREAS AT HEIGHT, IMPROVING SAFETY DURING TRANSITIONS BETWEEN STAIRS AND ELEVATED WORK ZONES.

EACH UNIT IS SUPPLIED WITH UP TO 2.5 KPA / 450 KG LOAD RATING AND AN OH&S INSPECTION PLAN TO SUPPORT SITE COMPLIANCE.

BACKED BY A LIFETIME STRUCTURAL WARRANTY, ENSURING LONG-TERM RELIABILITY AND COMPLIANCE ACROSS CONSTRUCTION AND MAINTENANCE APPLICATIONS.



**AUSTRALIAN**  
OWNED & OPERATED

**27+ YEARS IN**  
BUSINESS

**STRUCTURAL**  
LIFETIME WARRANTY

**MANUFACTURED**  
TO AS/NZS STANDARDS

**CUSTOM DESIGN**  
AVAILABLE



# SELF LEVELLING STAIRS

## STAIRS & RAMPS

**37 - 45 ° ANGLE STAIR PLATFORMS**  
 Allows the staircase to be adjusted to various angles and heights to suit different access points on site.

**ANTI-SLIP BULL NOSING**  
 High-visibility yellow nosing provides clear edge awareness and a textured surface for maximum grip during ascent and descent.

**REMOVABLE HANDRAILS**  
 Powder-coated rail configurations can be easily detached or reconfigured to provide flexibility during transport and site positioning.

**650 MM ANTI SLIP TREADS**  
 Aluminium stair treads with high-visibility bull nosing provide secure footing during operations.

**LIFTING POINTS**  
 Integrated lifting points enable safe relocation between work areas and sites.

**1200 MM ANTI SLIP TREADS**  
 Aluminium stair treads with high-visibility bull nosing provide secure footing during operations.

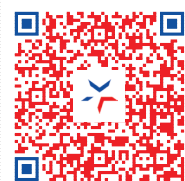
**BUILT TO GROUND FEET**  
 Heavy-duty base plates allow for secure anchoring to the ground, providing a stable connection for fixed access points.

**OPTIONAL**

**LANDING PLATFORMS**

**POWDER COATING**

**D BUMPERS**



**SCAN ME FOR MORE**

**FITTED COMPLIANCE PLATE**  
 Supports WHS requirements and site compliance.

TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

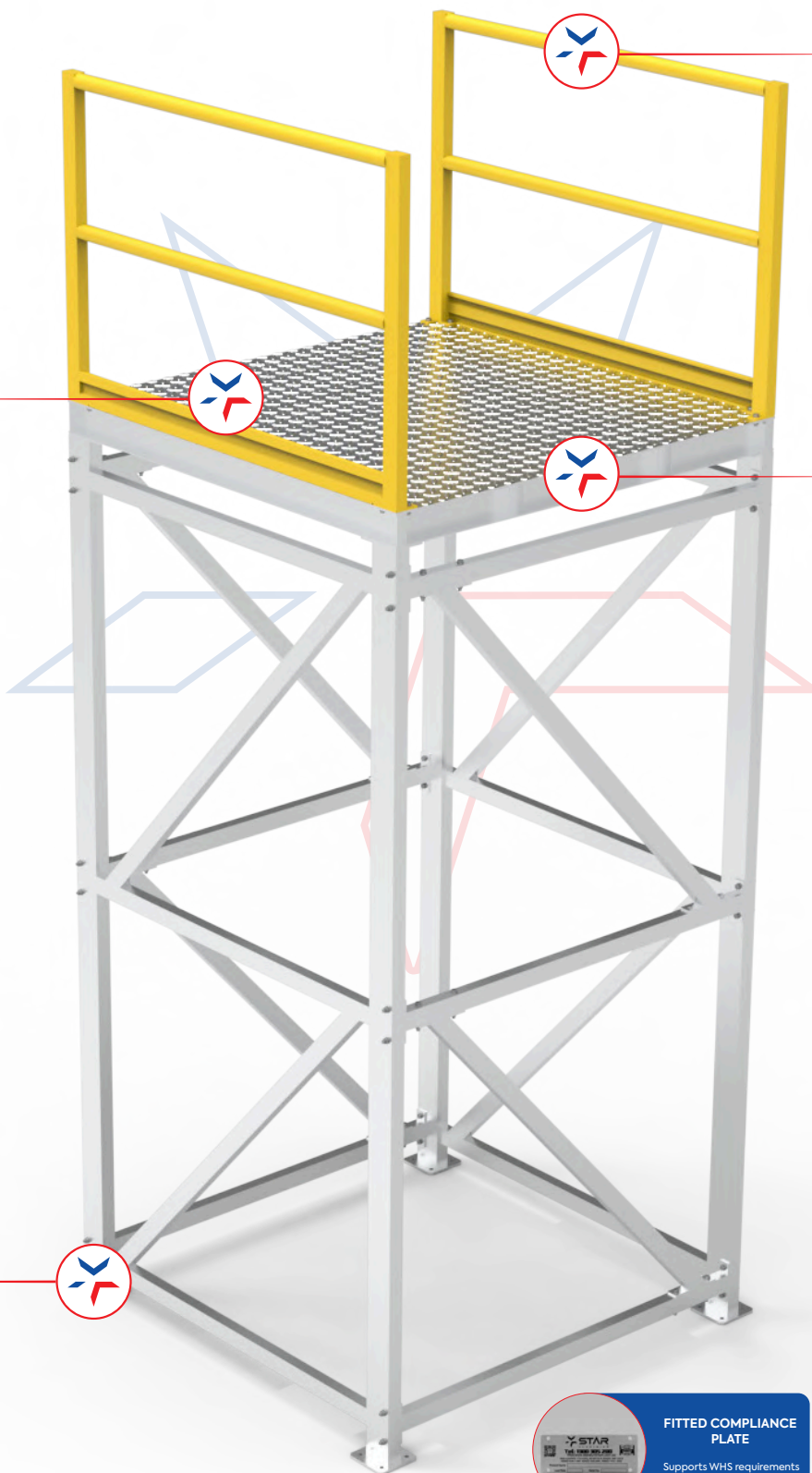
MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER

# SELF LEVELLING STAIRS - LANDING PLATFORMS

## STAIRS & RAMPS

PRODUCT NAME	PLATFORM AREA	PLATFORM HEIGHT	HANDRAIL HEIGHT
SLS LP 1	1500 mm x 1500 mm	1000 mm	1000 mm
SLS LP 2	1500 mm x 1500 mm	2000 mm	1000 mm
SLS LP 3	1500 mm x 1500 mm	3000 mm	1000 mm
SLS LP 4	1500 mm x 1500 mm	4000 mm	1000 mm



**ANTI-SLIP CHECKER PLATE**

The textured aluminum surface provides a slip-resistant area for the operator to stand on.

**SAFETY HANDRAILS**

Perimeter rails enclose the platform to provide edge protection during use.

**STAIR ACCESS SECTION**

This section is designed to connect with self-levelling stairs, providing a transition to the platform deck.

**BOLT TO GROUND FEET**

Base plates allow the platform to be anchored to the ground for a stable and permanent installation.



**SCAN ME FOR MORE**

**OPTIONAL**

 D BUMPERS

 POWDER COATING

**FITTED COMPLIANCE PLATE**

Supports WHS requirements and site compliance.



A Melbourne-based high-end construction company specialising in premium residential and boutique developments has worked with Star Aluminium for many years, relying on purpose-designed access solutions to support quality-driven build environments. Consistent site safety, clean presentation and reliable performance were key considerations across their projects. Star Aluminium's self-levelling stair systems have become a preferred access solution, with the 650 mm wide 15-step configuration regularly selected for elevated access requirements.

## PROJECT USE-CASES

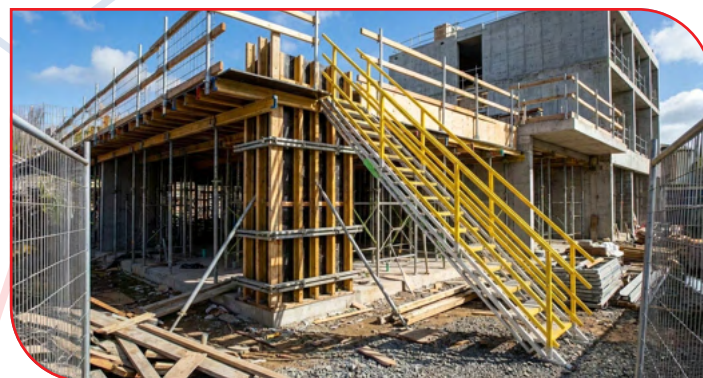
### HIGH-END CONSTRUCTION

## PROJECT FOCUS

The project's focus centred on providing a stable, professional access solution suitable for high-end construction sites where finish quality and safety standards are paramount. Key requirements included:

A stair system capable of adapting to uneven and changing site conditions.

- ⊗ Clean, well-presented access equipment appropriate for premium build environments.
- ⊗ Safe and repeatable access to heights of up to approximately 3.3 metres.
- ⊗ A solution that could be deployed efficiently across multiple projects.
- ⊗ Reliable performance to support ongoing construction activities without disruption.



## THE COMMERCIAL ADVANTAGE

The ongoing use of Star Aluminium's self-levelling stairs has delivered clear operational and commercial benefits for the construction company:

- ⊗ Improved site safety through consistent, stable access across varying ground conditions.
- ⊗ Reduced setup time compared to temporary or improvised access methods.
- ⊗ Durable construction minimises maintenance and replacement costs over time.
- ⊗ The professional appearance of the access equipment aligns with high-end project expectations.
- ⊗ Reliable performance supports efficient workflows and repeat use across multiple developments.
- ⊗ Cost effective as the stairs can be re-used for the next project.

## THE ENGINEERED SOLUTION

Star Aluminium supplied self-levelling stair systems tailored to suit the contractor's site requirements, with the 650 mm wide 15-step model forming the core solution:

- ⊗ The self-levelling mechanism automatically adjusts to uneven ground, maintaining stable access at all times.
- ⊗ The 15-step configuration provides safe access to working heights of up to 3.3 metres.
- ⊗ Wide stair treads and full handrails deliver confidence and comfort for frequent site use.
- ⊗ Robust aluminium construction ensures durability while maintaining a clean, professional appearance.
- ⊗ The modular design allows the stairs to be repositioned easily between projects as required.

# ALUMINIUM RAMPS

## STAIRS & RAMPS

- STAR ALUMINIUM RAMPS ARE ENGINEERED TO PROVIDE SAFE, STABLE AND COMPLIANT ACCESS BETWEEN VARYING GROUND LEVELS ACROSS CONSTRUCTION, INDUSTRIAL AND MAINTENANCE ENVIRONMENTS.
- ROBUST STRUCTURAL DESIGN SUPPORTS REGULAR PEDESTRIAN TRAFFIC AND SITE USE WITHOUT COMPROMISING STABILITY.
- DESIGNED TO SUPPORT DEMANDING SITE CONDITIONS WHILE MAINTAINING EASE OF HANDLING AND INSTALLATION.
- BACKED BY A LIFETIME STRUCTURAL WARRANTY.



**SCAN ME FOR MORE**





The Caulfield Racecourse engaged Star Aluminium to deliver a safe and compliant public access solution as part of an upgrade to pedestrian infrastructure connecting Glen Huntly Park to the racecourse precinct. Having previously worked with Star Aluminium, the group at Caulfield Racecourse returned based on positive prior experience and confidence in the performance of the systems supplied.

## PROJECT USE-CASES

### THE CAULFIELD RACECOURSE RESERVE

## PROJECT FOCUS

The project focused on delivering a new public access solution to safely connect Glen Huntly Park with the Caulfield Racecourse precinct. Star Aluminium was engaged to design and supply a compliant pedestrian stair and ramp system suited to high public use and varying foot traffic conditions.

Key objectives included:

- ✘ Providing safe, stable access for pedestrians entering and exiting the racecourse precinct.
- ✘ Supporting daily public movement as well as increased foot traffic during major events.
- ✘ Delivering a durable access solution suitable for outdoor, public environments.
- ✘ Integrating the new access route seamlessly into the surrounding park and racecourse layout.



## THE COMMERCIAL ADVANTAGE

The newly installed stair and ramp access system delivers long-term benefits for the reserve, racecourse and the wider community:

- ✘ Public safety is enhanced through stable, compliant and clearly defined access paths.
- ✘ The durable aluminium construction offers long-term reliability in a high-use outdoor environment.
- ✘ Improved pedestrian flow supports both everyday park use and peak event attendance.
- ✘ The new access solution improves overall usability for staff, visitors and the general public.
- ✘ The precinct now benefits from a purpose-built access route designed for ongoing public use.

## THE ENGINEERED SOLUTION

Star Aluminium worked closely with the client from the initial consultation through to design and installation. A site meeting was conducted to assess access requirements, pedestrian flow and site constraints.

- ✘ A new aluminium public access stair and ramp system was engineered to provide safe, compliant pedestrian movement.
- ✘ Aluminium construction was selected for its durability, corrosion resistance and low maintenance requirements.
- ✘ Ramp access was incorporated to ensure a smooth, inclusive transition between differing pathway levels.
- ✘ The system was designed to suit the site conditions while maintaining clear sightlines and user safety.
- ✘ The completed access route provides a reliable connection between Glen Huntly Park and the racecourse precinct.



In 2022, a construction contractor delivering a time-critical project required a compliant ramp access solution within a short lead time. The project demanded safe, reliable access to support ongoing works while final construction activities were completed. Star Aluminium was engaged to design, manufacture and deliver a ramp solution within a compressed program.

## PROJECT USE-CASES

### CONSTRUCTION PROJECT

### PROJECT FOCUS

The project focused on providing temporary ramp access that could be deployed quickly without compromising safety or compliance. Key requirements included:

- ⊗ Rapid turnaround from design to installation.
- ⊗ Safe and compliant ramp access for personnel and equipment.
- ⊗ A solution suited to active construction conditions.
- ⊗ Minimal disruption to the project's critical completion phase.
- ⊗ Capable of using heavy machinery up to 3 tonne.



## THE ENGINEERED SOLUTION

Star Aluminium designed, certified, manufactured and installed two aluminium ramp systems tailored to the site requirements:

- ⊗ Modular aluminium ramps were configured to suit the required access heights and site layout.
- ⊗ Slip-resistant checker-plate decking provided a secure footing during use.
- ⊗ Robust construction ensured the ramps could withstand ongoing site traffic.
- ⊗ The systems were delivered and installed within the required timeframe to support uninterrupted project works.

## THE COMMERCIAL ADVANTAGE

The ramp installation delivered clear benefits for the construction project:

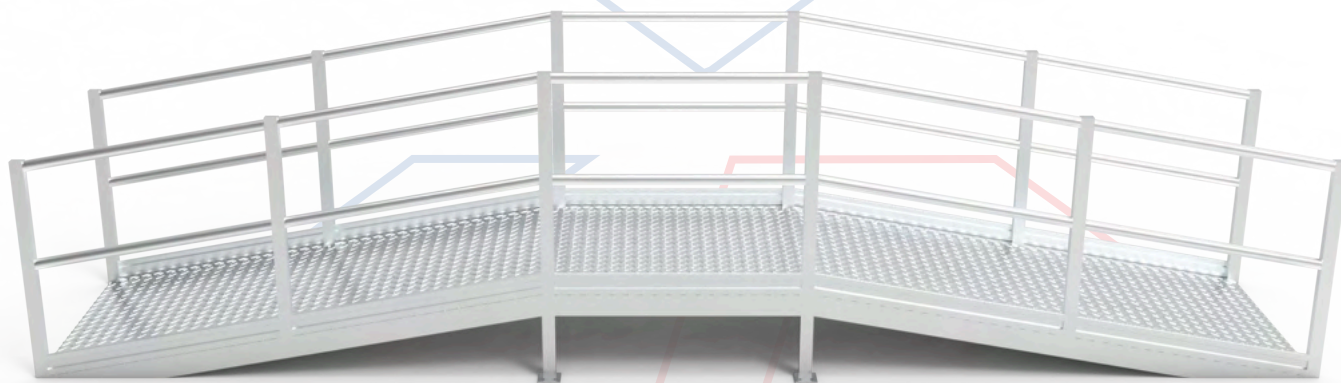
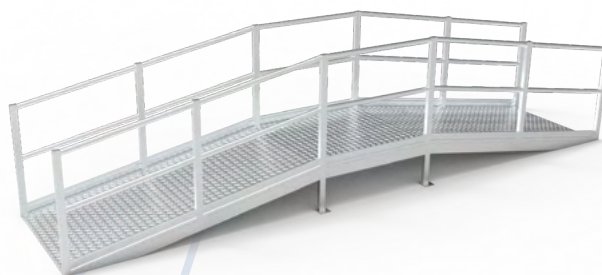
- ⊗ Safe access was maintained without delaying project completion.
- ⊗ Short lead-time delivery reduced the need for temporary or improvised access solutions.
- ⊗ Certified and compliant ramp systems supported site safety obligations.
- ⊗ Durable aluminium construction allowed the ramps to be reused on future projects.

# CONCRETE SITE ACCESS RAMP

## STAIRS & RAMPS










- STAR CONCRETE SITE ACCESS RAMPS ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY
- ROBUST CONSTRUCTION WITH DECK SURFACE DESIGNED FOR SECURE FOOTING AND SLIP RESISTANCE
- IDEAL FOR SAFE AND FAST ACCESS ACROSS CLUSTERED FORMWORK DECKS, BEAMS AND REO MESH
- STRONG FIXED LEGS FITTED WITH BASE PLATES TO SECURELY ANCHOR TO THE FORMWORK DECK
- STACKABLE DESIGN ALLOWS FOR COMPACT AND EASY MULTI-SYSTEM STORAGE
- IMPROVES OPERATIONAL EFFICIENCY BY PROVIDING A SECURE BASE FOR UTILITY AND PIPE INSTALLATIONS
- HEAVY-DUTY 225KG WEIGHT RATING
- CUSTOM DESIGN OPTIONS: TAILORED WIDTHS, LENGTHS AND HEIGHTS TO MATCH SPECIFIC SLAB BUILD REQUIREMENTS
- BACKED BY A LIFETIME STRUCTURAL WARRANTY

- 1999 ESTD**  
AUSTRALIAN OWNED & OPERATED
- 27+**  
27+ YEARS IN BUSINESS
- STRUCTURAL**  
LIFETIME WARRANTY
- MANUFACTURED**  
TO AS/NZS STANDARDS
- CUSTOM DESIGN**  
AVAILABLE




# SITE DECK ACCESS BRIDGE

## STAIRS & RAMPS

-  STAR SITE DECK ACCESS BRIDGES ARE MANUFACTURED FROM DURABLE YET LIGHTWEIGHT ALUMINIUM ALLOY
-  ROBUST CONSTRUCTION WITH CHECKER-PLATE DECK SURFACE FOR SECURE FOOTING AND SLIP RESISTANCE
-  IDEAL FOR SAFE ACCESS OVER TRENCHES, PITS AND DRAINAGE CHANNELS.
-  HANDRAILS AND HINGED END FLAPS PROVIDE COMPREHENSIVE FALL PROTECTION AND A TRIP-FREE TRANSITION.
-  MODULAR DESIGN AVAILABLE
-  CUSTOM DESIGN OPTIONS: CUSTOM LENGTHS, INCREMENTS, WIDTHS AND SPECIALISED DECK SURFACES
-  SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS
-  EACH UNITS IT FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS
-  BACKED BY A LIFETIME STRUCTURAL WARRANTY



**AUSTRALIAN**  
OWNED & OPERATED



**27+ YEARS IN**  
BUSINESS



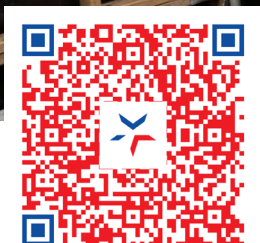
**STRUCTURAL**  
LIFETIME WARRANTY



**MANUFACTURED**  
TO AS/NZS STANDARDS



**CUSTOM DESIGN**  
AVAILABLE



**SCAN ME FOR MORE**



## LADDER SOLUTIONS SECTION 07



### LADDER CAGES AND GUARDRAILS

83

ENGINEERED LADDER SAFETY SYSTEMS PROVIDING CONTROLLED VERTICAL ACCESS AND FALL PROTECTION ACROSS INDUSTRIAL, INFRASTRUCTURE AND PLANT ENVIRONMENTS.

### MEZZANINE LADDERS

87

LADDER ACCESS SOLUTIONS DESIGNED TO SUPPORT SAFE MOVEMENT BETWEEN FLOOR LEVELS, MEZZANINES AND ELEVATED PLATFORMS WITHIN INDUSTRIAL AND COMMERCIAL FACILITIES.

### PIT ACCESS LADDERS

90

PURPOSE-DESIGNED LADDER SYSTEMS ENABLING SAFE ENTRY AND EXIT FOR INSPECTION AND MAINTENANCE WITHIN PITS, TRENCHES AND BELOW-GROUND SERVICE AREAS.

### INFRASTRUCTURE SERVICE ACCESS LADDERS

92

ACCESS LADDER SOLUTIONS DEVELOPED TO SUPPORT INSPECTION, SERVICING AND MAINTENANCE OF INFRASTRUCTURE, UTILITIES AND SITE ASSETS.

# LADDER CAGES AND GUARDRAILS

## STAIRS & RAMPS

STAR ALUMINIUM LADDER CAGES AND GUARDRAIL SYSTEMS ARE ENGINEERED TO PROVIDE COMPLETE FALL PROTECTION FOR PERSONNEL ACCESSING ELEVATED AREAS WITHIN INDUSTRIAL, INFRASTRUCTURE AND PLANT ENVIRONMENTS.

MODULAR CAGE BODIES AND COMPONENTS ALLOW SYSTEMS TO BE CONFIGURED TO SUIT SPECIFIC ACCESS REQUIREMENTS AND SITE LAYOUTS.

ADJUSTABLE LANDING PLATFORM OPTIONS ENABLE SMOOTH AND SECURE TRANSITIONS BETWEEN LADDERS, MEZZANINES AND ELEVATED WORK AREAS.

OPTIONAL LOCKABLE ENTRY SOLUTIONS ALLOW LADDERS TO BE SECURED WHEN NOT IN USE, SUPPORTING SITE SAFETY MANAGEMENT AND ACCESS CONTROL.

EACH LADDER CAGE SYSTEM IS SUPPLIED WITH AN ENGINEER-CERTIFIED COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS.

BACKED BY A LIFETIME STRUCTURAL WARRANTY

**1999**  
ESTD  
**AUSTRALIAN**  
OWNED & OPERATED

**27+**  
**27+**  
YEARS IN  
BUSINESS

**STRUCTURAL**  
LIFETIME WARRANTY

**MANUFACTURED**  
TO AS/NZS STANDARDS

**CUSTOM DESIGN**  
AVAILABLE



# LADDER CAGES AND GUARDRAILS

STAIRS & RAMPS



## LADDER CAGE

**CHECKER-PLATE LANDING PLATFORM**  
Circular cage base maintains compliant clearances while preventing backward falls.

**LADDER RUNGS**  
Heavy-duty aluminium rungs provide consistent spacing and a secure climbing rhythm.

OPTIONAL



SCAN ME FOR MORE



LANDING PLATFORMS



POWDER COATING



ROOF WALKWAY SYSTEM



LOCKABLE HATCH

## GUARDRAILS

**1M HANDRAIL HEIGHT**  
Standard safety requirement for fall protection.

**ANTI-SLIP SURFACE**  
High-traction grating offers superior grip and durability for all weather conditions.

**MOUNTING FLANGES**  
Secure floor attachment points for structural stability.



FITTED COMPLIANCE PLATE

Supports WHS requirements and site compliance.

TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER



A manufacturing business engaged Star Aluminium to provide safe and compliant roof access for ongoing maintenance activities at their facility. As a new client, they approached Star Aluminium directly after identifying the need for a cage ladder system to support gutter maintenance and access to rooftop solar installations.

## PROJECT USE-CASES

### MANUFACTURING FACILITY ROOF ACCESS

## PROJECT FOCUS

The project focused on delivering a vertical access solution capable of supporting routine roof maintenance tasks within an active manufacturing environment. Key requirements included:

- ✘ Safe access to roof areas for gutter cleaning and inspection.
- ✘ Reliable access for servicing rooftop solar panels.
- ✘ A ladder system suitable for extended vertical heights.
- ✘ Compliance with workplace safety requirements for working at height.



## THE ENGINEERED SOLUTION

Star Aluminium engineered and supplied a cage ladder tower exceeding 11 metres in height to meet the site requirements:

- ✘ The ladder cage provides controlled vertical access with integrated fall protection.
- ✘ Robust aluminium construction delivers durability while remaining suitable for industrial environments.
- ✘ The system was designed to integrate with the existing building structure and roof access points.
- ✘ Engineering certification and compliance features were incorporated to support safe use.

## THE COMMERCIAL ADVANTAGE

The cage ladder installation delivered clear benefits for the manufacturing facility:

- ✘ Maintenance tasks can now be carried out safely and efficiently.
- ✘ Reliable roof access reduces reliance on temporary access equipment.
- ✘ Improved access supports ongoing asset maintenance and solar system performance.
- ✘ The compliant ladder solution provides long-term confidence in site safety management.





A food processing and cold storage operator engaged Star Aluminium to deliver cage ladder tower access across their refrigerated room infrastructure. The project required safe and efficient access over multiple cool rooms, as well as roof access from one end of the facility to support ongoing maintenance activities.

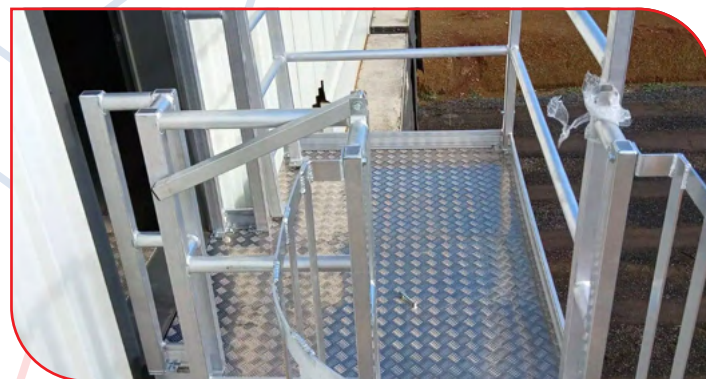
## PROJECT USE-CASES

### FOOD PROCESSING & COLD STORAGE FACILITY

## PROJECT FOCUS

The project focused on providing safe vertical access solutions suitable for use within a temperature-controlled industrial environment. Key requirements included:

- ⊗ Safe access over the top of refrigerated rooms for inspection and servicing.
- ⊗ End-to-end access across multiple cool room structures.
- ⊗ Ladder systems are suited to differing height requirements within the same facility.
- ⊗ A solution that would not disrupt daily operations.



## THE ENGINEERED SOLUTION

Star Aluminium engineered and supplied two cage ladder towers tailored to the site layout:

- ⊗ One cage ladder tower was designed to reach a height of approximately 8 metres.
- ⊗ A second tower, approximately 5 metres high, provided access from the opposite end of the facility.
- ⊗ Both systems deliver enclosed ladder access with continuous fall protection.
- ⊗ Aluminium construction ensures durability and suitability for food processing environments.
- ⊗ The ladders were engineered to meet safety and compliance requirements for ongoing use.

## THE COMMERCIAL ADVANTAGE

The cage ladder tower systems delivered measurable operational benefits for the facility:

- ⊗ Safe and reliable access enables routine maintenance without interrupting operations.
- ⊗ Reduced downtime supports consistent facility performance.
- ⊗ Purpose-designed access improves workplace safety and risk management.
- ⊗ The tailored ladder solution supports long-term maintenance planning across the site.
- ⊗ Reliable roof access reduces reliance on temporary access equipment.

# MEZZANINE LADDERS

## LADDER SOLUTIONS



**SCAN ME FOR MORE**

PRODUCT NAME	PLATFORM HEIGHT	HANDRAIL HEIGHT	WIDTH	LOAD RATING	WEIGHT
2.1M MEZZANINE LADDER	2100MM	957MM	630MM	200KG	27.5KG
2.7M MEZZANINE LADDER	2700MM	957MM	630MM	200KG	30.8KG
3.3M MEZZANINE LADDER	3300MM	957MM	630MM	200KG	34.1KG
3.9M MEZZANINE LADDER	3900MM	957MM	630MM	200KG	37.4KG

- STAR TRUCK ACCESS PLATFORMS ARE MANUFACTURED FROM DURABLE, YET LIGHTWEIGHT ALUMINIUM ALLOY
- IDEAL FOR ACCESS TO ELEVATED AREAS ACROSS INDUSTRIAL, COMMERCIAL AND WAREHOUSE ENVIRONMENTS.
- HEIGHT RANGE: 2.1 M TO 3.9 M
- LOAD RATING: 200 KG
- POWDER-COATED YELLOW SAFETY HANDRAILS
- SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS.
- EACH UNIT IS FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS
- BACKED BY A LIFETIME STRUCTURAL WARRANTY.



**AUSTRALIAN**  
OWNED & OPERATED



**27+ YEARS IN**  
BUSINESS



**STRUCTURAL**  
LIFETIME WARRANTY



**MANUFACTURED**  
TO AS/NZS STANDARDS



**CUSTOM DESIGN**  
AVAILABLE



**DIFFERENT SIZES AVAILABLE**



**FITTED COMPLIANCE PLATE**  
Supports WHS requirements and site compliance.

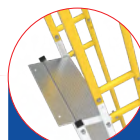
# MEZZANINE LADDERS

LADDER SOLUTIONS



### BOOM ARM

The hinged boom arm allows for secure floor entry and must be opened before stepping onto the mezzanine level, providing a safety barrier when closed.



### FLUSH MOUNT BRACKETS

Designed to secure the top of the ladder directly to the mezzanine floor edge for a stable and permanent connection.



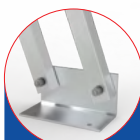
### POWDER - COATED HANDRAILS

Features 957 mm high handrails with a durable powder-coated finish to ensure a secure grip and high visibility during use.



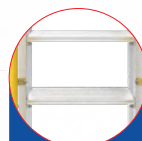
### 150 MM ANTI SLIP TREADS

The ladder system features 150 mm deep slip-resistant treads and is engineered with a 200 kg load rating for safe operator transit.



### BOLT-DOWN FLOOR FEET

Heavy-duty base plates allow the bottom of the ladder to be anchored to the floor for a stable and permanent installation.



### 630 MM SYSTEM WIDTH

The unit is designed with a 630 mm width to provide comfortable access while maintaining a compact footprint on the mezzanine floor.

TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER



An industrial bulk handling operator engaged Star Aluminium to deliver engineered access solutions across multiple areas of their processing facility. Operating within a high-throughput environment, the site required safe and reliable access to elevated plant infrastructure and mezzanine-level equipment to support routine inspection, cleaning and maintenance activities.

## PROJECT USE-CASES

A DRY BULK HANDLING COMPANY

### PROJECT FOCUS

The project focused on improving safe access across elevated operational areas while maintaining efficiency within an active industrial facility. Key requirements included:

- ⊗ Safe vertical access to mezzanine levels and elevated plant equipment.
- ⊗ Reliable access for inspection and maintenance tasks within dusty and heavy-duty operating conditions.
- ⊗ Compact access solutions capable of integrating alongside existing processing equipment.
- ⊗ Reducing reliance on temporary or improvised access methods.
- ⊗ Supporting multiple access requirements across different areas of the site.



## THE COMMERCIAL ADVANTAGE

The engineered access solutions delivered measurable benefits for the operation:

- ⊗ Improved safety outcomes across multiple elevated access points within the facility.
- ⊗ Faster and safer access to mezzanine and plant areas reduces maintenance downtime.
- ⊗ Purpose-designed ladder access improves consistency in daily maintenance procedures.
- ⊗ Durable aluminium systems support long-term use in demanding operating environments.
- ⊗ The success of the project reinforced confidence in engineered access solutions for future site upgrades.

## THE ENGINEERED SOLUTION

Star Aluminium worked closely with the client to supply a combination of engineered access solutions, with mezzanine ladder systems forming a key component of the overall scope:

- ⊗ Aluminium mezzanine ladders were supplied to provide controlled vertical access to elevated processing and service areas.
- ⊗ Additional access solutions were delivered across the site to support broader operational requirements.
- ⊗ Integrated handrails and safety features assist in secure ascent and descent during routine maintenance tasks.
- ⊗ Ladder systems were designed to interface with existing mezzanine structures and plant equipment.
- ⊗ Robust aluminium construction ensures durability within demanding industrial conditions.
- ⊗ All access systems were supplied with engineering certification to support workplace safety compliance.

# PIT ACCESS LADDERS

## STAIRS & RAMPS

STAR ALUMINIUM PIT ACCESS LADDERS ARE ENGINEERED TO PROVIDE SAFE AND CONTROLLED VERTICAL ACCESS FOR INSPECTION, SERVICING AND MAINTENANCE ACTIVITIES WITHIN PITS, TRENCHES AND BELOW-GROUND SERVICE AREAS.

- DESIGNED TO SUPPORT SAFE ENTRY AND EXIT IN CONFINED AND BELOW-GROUND ENVIRONMENTS.
- ALUMINIUM CONSTRUCTION DELIVERS DURABILITY WHILE REMAINING LIGHTWEIGHT FOR HANDLING AND INSTALLATION.
- COMPACT LADDER PROFILES ALLOW INTEGRATION WITHIN TIGHT PIT AND TRENCH SPACES.
- EVENLY SPACED LADDER RUNGS PROVIDE STABLE FOOTING DURING ASCENT AND DESCENT.
- HANDHOLD EXTENSIONS AT THE UPPER LANDING SUPPORT SAFE TRANSITIONS IN AND OUT OF THE PIT.
- LADDER CONFIGURATIONS CAN BE TAILORED TO SUIT VARYING PIT DEPTHS AND SITE LAYOUTS.
- SUITABLE FOR USE ACROSS INDUSTRIAL, INFRASTRUCTURE, UTILITIES AND PLANT ENVIRONMENTS.
- ENGINEERED TO INTEGRATE WITH EXISTING PIT STRUCTURES AND ACCESS POINTS.
- EACH UNIT SUPPLIED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS.
- BACKED BY A LIFETIME STRUCTURAL WARRANTY.

**1999**  
ESTD

**AUSTRALIAN**  
OWNED & OPERATED

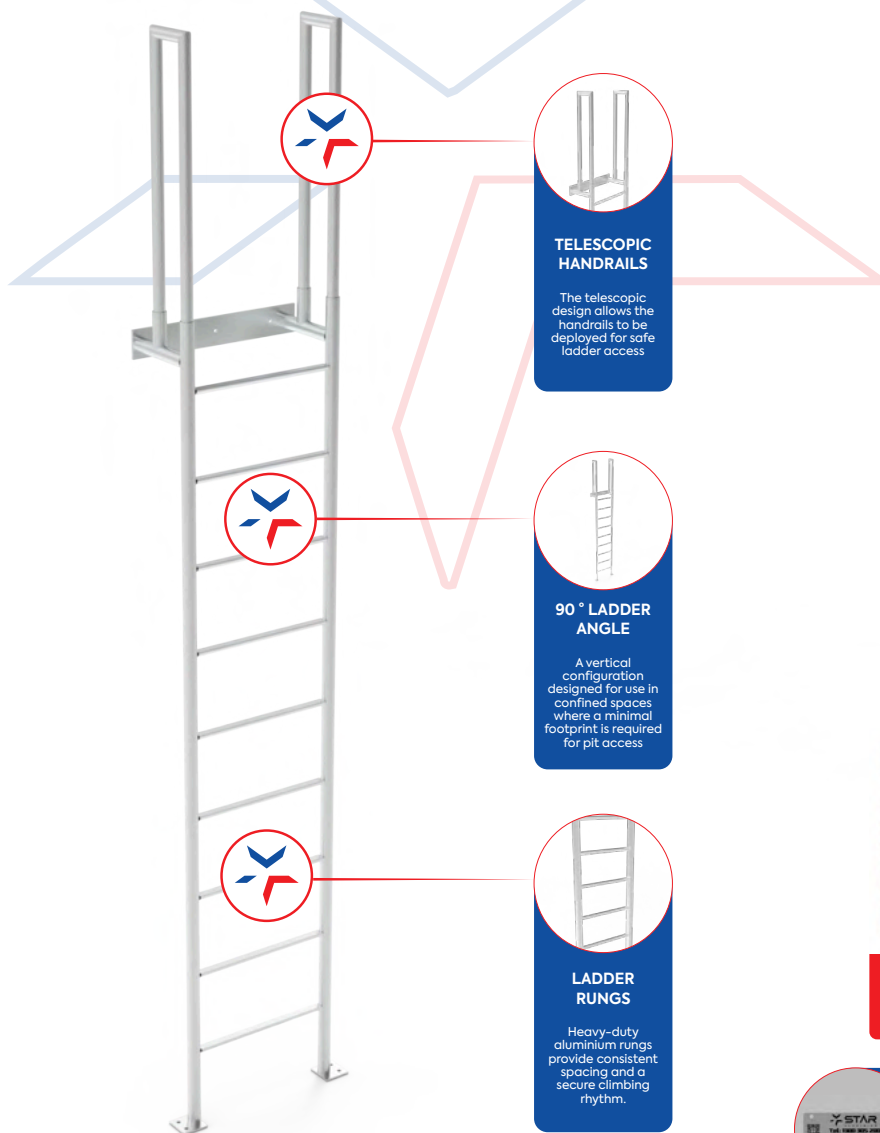
**27+**  
YEARS IN

**BUSINESS**

**STRUCTURAL**  
LIFETIME WARRANTY

**MANUFACTURED**  
TO AS/NZS STANDARDS

**CUSTOM DESIGN**  
AVAILABLE



**TELESCOPIC HANDRAILS**

The telescopic design allows the handrails to be deployed for safe ladder access

**90° LADDER ANGLE**

A vertical configuration designed for use in confined spaces where a minimal footprint is required for pit access

**LADDER RUNGS**

Heavy-duty aluminium rungs provide consistent spacing and a secure climbing rhythm.



**SCAN ME FOR MORE**







**FITTED COMPLIANCE PLATE**

Supports WHS requirements and site compliance.

# 70 ° PIT ACCESS LADDERS

## STAIRS & RAMPS

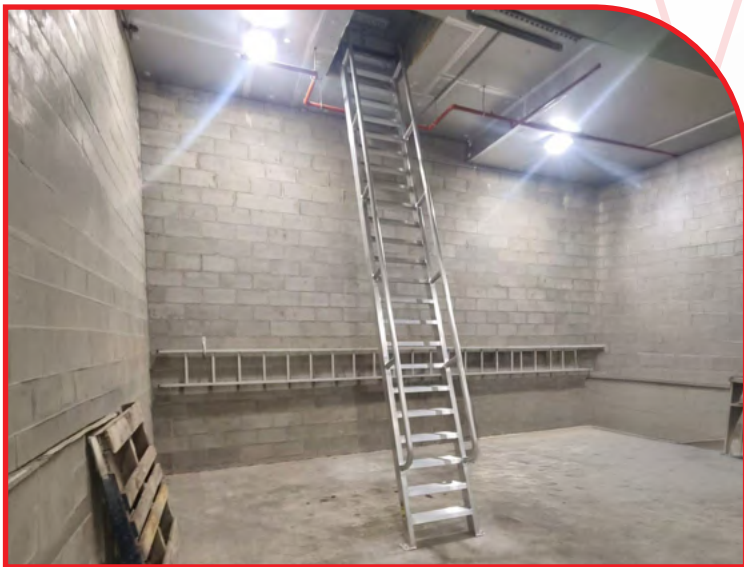
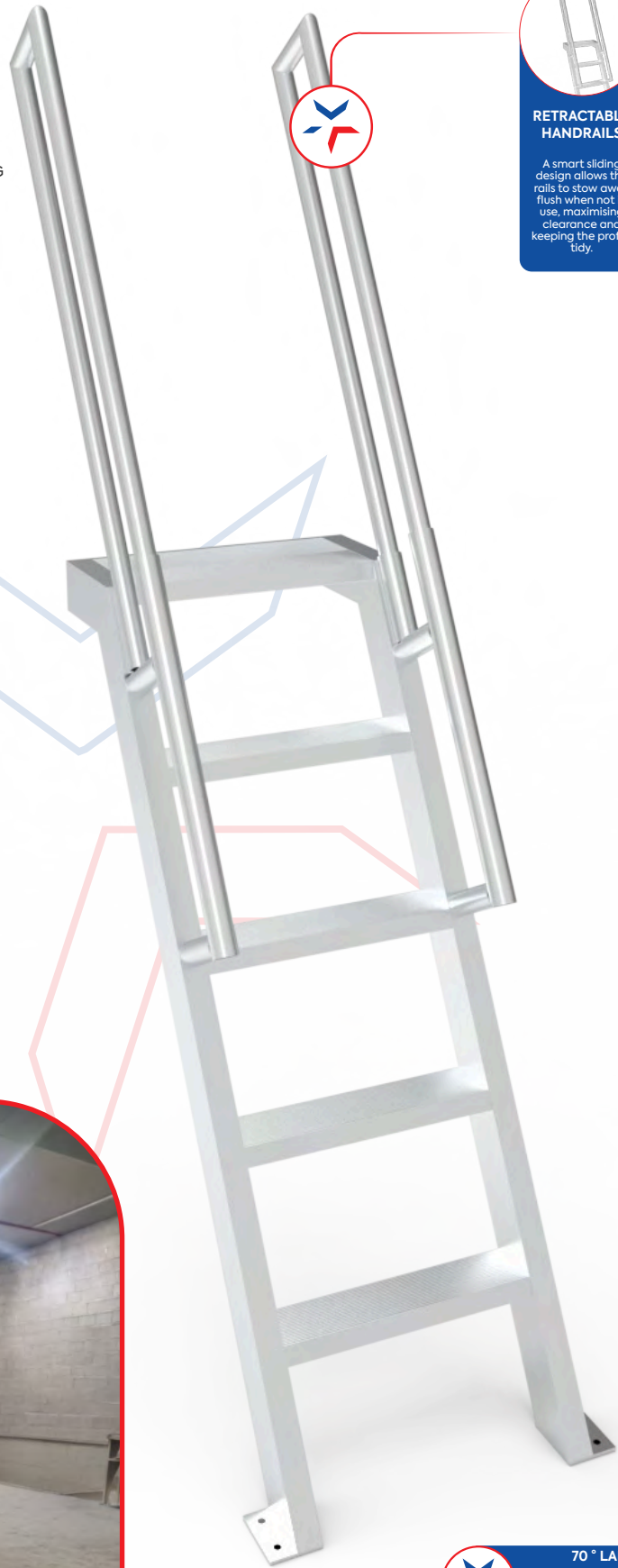
STAR ALUMINIUM 70° PIT ACCESS LADDERS ARE ENGINEERED TO PROVIDE A MORE ERGONOMIC INCLINE FOR SAFE AND CONTROLLED ACCESS DURING INSPECTION, SERVICING AND MAINTENANCE ACTIVITIES WITHIN PITS, TRENCHES AND BELOW-GROUND SERVICE AREAS.

-  **ERGONOMIC 70° INCLINE:** DESIGNED WITH A SLOPED PROFILE TO PROVIDE A MORE NATURAL CLIMBING ANGLE, SIGNIFICANTLY REDUCING USER FATIGUE DURING FREQUENT ENTRY AND EXIT.
-  **COMPACT INTEGRATION:** ENGINEERED WITH A SLIM PROFILE TO INTEGRATE SEAMLESSLY WITHIN TIGHT PIT STRUCTURES AND CONFINED TRENCH SPACES WITHOUT COMPROMISING SAFETY.
-  **OPTIMISED RUNG DESIGN:** HEAVY-DUTY, EVENLY SPACED RUNGS WITH ANTI-SLIP SURFACES PROVIDE CONSISTENT FOOTING AND A SECURE CLIMBING RHYTHM.
-  **INNOVATIVE GUARDRAIL OPTIONS:** AVAILABLE WITH RETRACTABLE HANDRAIL SYSTEMS THAT STOW AWAY FLUSH WHEN NOT IN USE, MAXIMISING CLEARANCE AND KEEPING THE PROFILE TIDY.
-  **WHS COMPLIANCE:** EACH UNIT IS SUPPLIED WITH A COMPLIANCE PLATE TO MEET STRICT WHS REQUIREMENTS AND IS MANUFACTURED TO AUSTRALIAN STANDARDS.
-  **LIFETIME STRUCTURAL WARRANTY:** BACKED BY A LIFETIME GUARANTEE, ENSURING LONG-TERM RELIABILITY IN INDUSTRIAL, INFRASTRUCTURE, AND UTILITY ENVIRONMENTS.



### RETRACTABLE HANDRAILS

A smart sliding design allows the rails to stow away flush when not in use, maximising clearance and keeping the profile tidy.



### 70 ° LADDER ANGLE

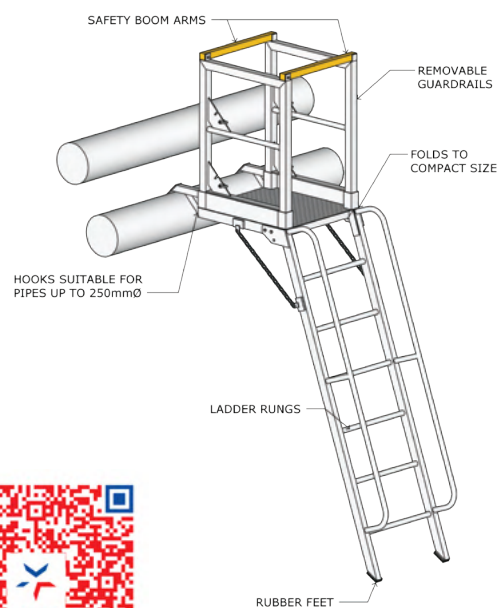
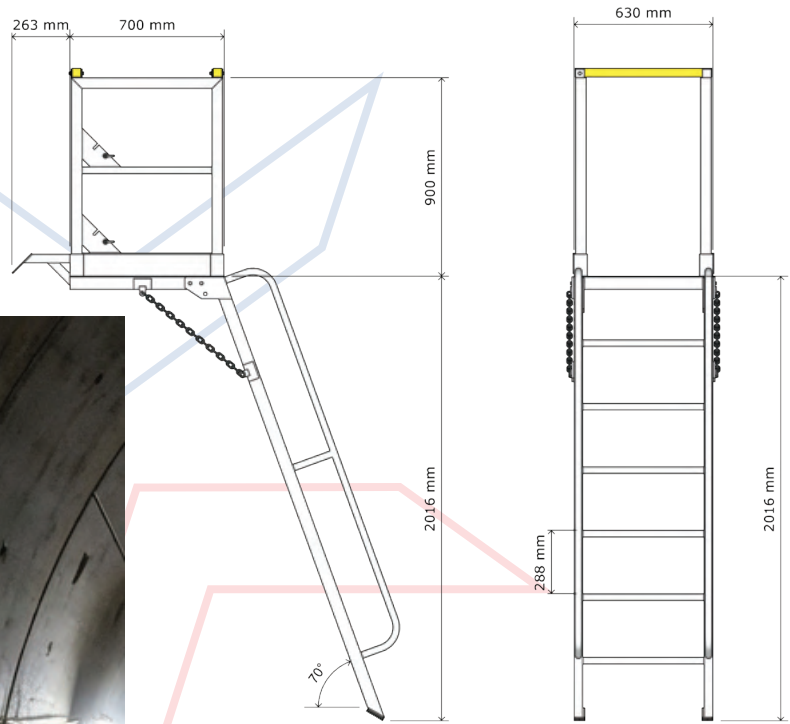
This stepped design provides a more ergonomic incline for users during frequent pit entry and exit.

# INFRASTRUCTURE SERVICE ACCESS LADDERS

## STAIRS & RAMPS

STAR ALUMINIUM INFRASTRUCTURE SERVICE ACCESS LADDERS ARE ENGINEERED TO PROVIDE SAFE AND PRACTICAL ACCESS FOR INSPECTION, INSTALLATION AND MAINTENANCE ACTIVITIES WITHIN INFRASTRUCTURE AND SERVICE ENVIRONMENTS, INCLUDING TUNNELS, UTILITIES CORRIDORS AND CONFINED SPACES.

- DESIGNED TO SUPPORT ACCESS TO SERVICES WITHIN ROAD, RAIL AND CIVIL INFRASTRUCTURE PROJECTS.
- ENGINEERED TO INTEGRATE WITH TEMPORARY OR STAGED INFRASTRUCTURE WORKS, INCLUDING TBM-DRIVEN PROJECTS.
- SUITABLE FOR USE IN TUNNELS AND SERVICE CORRIDORS WHERE CONTROLLED VERTICAL ACCESS IS REQUIRED.
- EACH UNIT IS SUPPLIED WITH AN ENGINEER-CERTIFIED COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS.
- ENABLES EASIER HANDLING AND RELOCATION BETWEEN WORK ZONES.
- BACKED BY A LIFETIME STRUCTURAL WARRANTY.
- COMPACT PROFILES ALLOW INSTALLATION WITHIN RESTRICTED CLEARANCES AND CURVED TUNNEL GEOMETRIES.
- LIGHTWEIGHT ALUMINIUM CONSTRUCTION ENABLES EASIER HANDLING AND RELOCATION BETWEEN WORK ZONES.



SCAN ME FOR MORE





## SPECIALISED ACCESS SOLUTIONS SECTION 08

### WALKWAY SOLUTIONS

MODULAR ACCESS SYSTEMS DESIGNED TO PROVIDE SAFE PEDESTRIAN PASSAGE AND COMPLIANT TRANSIT OVER INDUSTRIAL HAZARDS OR ROOFTOPS.

94

### PRODUCTION LINE ACCESS PLATFORMS

INTEGRATED SOLUTIONS ENGINEERED TO OPTIMISE OPERATOR ACCESS AND WORKFLOW EFFICIENCY WITHIN CONTINUOUS MANUFACTURING ENVIRONMENTS.

96

### A-FRAME TROLLEY

HIGH-STABILITY MOBILE STORAGE AND TRANSPORT SYSTEMS DESIGNED FOR THE SECURE HANDLING OF LARGE-FORMAT MATERIALS AND INDUSTRIAL COMPONENTS.

97

### CUSTOM TROLLEY SOLUTIONS

BESPOKE HANDLING SOLUTIONS ENGINEERED TO MEET SPECIFIC OPERATIONAL REQUIREMENTS FOR EFFICIENT COMPONENT MOBILITY AND ORGANISATION.

98

# WALKWAY SOLUTIONS

## SPECIALISED ACCESS SOLUTIONS

- STAR ALUMINIUM WALKWAY SOLUTIONS ARE CUSTOM-ENGINEERED TO PROVIDE SAFE, CONTROLLED PEDESTRIAN ACCESS ACROSS COMPLEX INDUSTRIAL AND COMMERCIAL ENVIRONMENTS.
- EACH WALKWAY SYSTEM IS DESIGNED AND FABRICATED IN-HOUSE TO SUIT THE SPECIFIC FOOTPRINT, LOAD REQUIREMENTS AND OPERATIONAL CONSTRAINTS OF THE SITE.
- WALKWAY SYSTEMS CAN INCORPORATE STAIR ACCESS POINTS, CROSSOVER SECTIONS AND DIRECTION CHANGES TO ALIGN WITH OPERATIONAL WORKFLOWS.
- ROOF ACCESS INTEGRATIONS, INCLUDING CAGED LADDERS, ROOF HATCHES AND GUARDRAIL SYSTEMS, CAN BE INCORPORATED TO CREATE A FULLY CONTROLLED ACCESS PATH FROM GROUND TO ROOF LEVEL.
- MODULAR FABRICATION ALLOWS SECTIONS TO BE INSTALLED, EXTENDED OR MODIFIED AS SITE REQUIREMENTS EVOLVE.



**AUSTRALIAN**  
OWNED & OPERATED



**27+ YEARS IN**  
BUSINESS



**STRUCTURAL**  
LIFETIME WARRANTY



**MANUFACTURED**  
TO AS/NZS STANDARDS



**CUSTOM DESIGN**  
AVAILABLE



**SCAN ME FOR MORE**



A large-scale food and beverage manufacturing facility engaged Star Aluminium during the development of a new production site to deliver safe and efficient elevated access solutions. The project required a comprehensive walkway system to allow personnel movement above active production lines while maintaining strict hygiene, safety and operational flow requirements. Star Aluminium designed and manufactured a tailored aluminium and stainless steel access system that integrates seamlessly into the facility's processing environment.

## PROJECT USE-CASES

### FOOD & BEVERAGE MANUFACTURING FACILITY

#### PROJECT FOCUS

The primary focus of the project was to create an elevated walkway network spanning multiple live food production lines. The system needed to:

- ⊗ Provide uninterrupted personnel access across the facility
- ⊗ Maintain separation between operators and active conveyor systems
- ⊗ Integrate stair access points without disrupting production flow
- ⊗ Support long travel distances within a high-throughput environment
- ⊗ The walkway formed a critical part of the facility's operational layout, enabling safe access for monitoring, inspection and maintenance activities.



## THE ENGINEERED SOLUTION

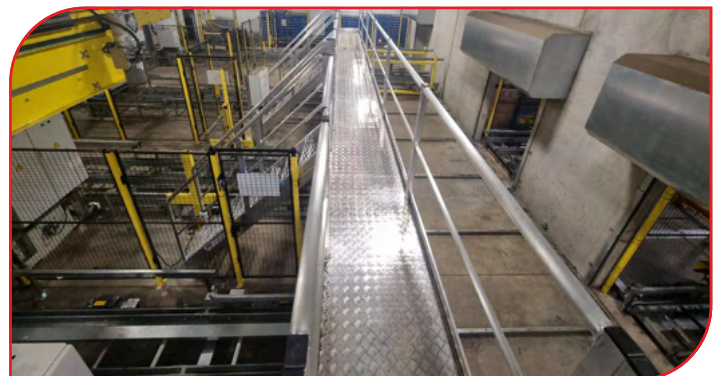
Star Aluminium designed and delivered a custom-engineered walkway system extending over 50 metres across multiple processing lines. Key elements of the solution included:

- ⊗ Elevated aluminium walkways designed for continuous pedestrian movement
- ⊗ Integrated stair access points positioned to suit operational workflows
- ⊗ Multiple crossover sections are manufactured in both aluminium and stainless steel to suit different process zones
- ⊗ Guardrailed edges and controlled access points to maintain site safety and compliance

## THE COMMERCIAL ADVANTAGE

The completed walkway system delivered clear operational and commercial benefits for the facility.

- ⊗ Enabled safe, efficient movement of personnel above active food lines
- ⊗ Improved access for inspections, cleaning and routine maintenance
- ⊗ Reduced operational interruptions by eliminating the need to access production areas at the floor level
- ⊗ Delivered a durable, low-maintenance access solution suited to food manufacturing environments
- ⊗ This project highlights the value of purpose-designed walkway systems in high-output facilities, where safety, efficiency and integration with production infrastructure are critical.



# PRODUCTION LINE ACCESS PLATFORMS

## SPECIALISED ACCESS SOLUTIONS

- STAR ALUMINIUM PRODUCTION LINE ACCESS PLATFORMS ARE ENGINEERED TO PROVIDE SAFE, COMPLIANT ACCESS TO EQUIPMENT, CONTROL POINTS AND SERVICE AREAS WITHIN ACTIVE PRODUCTION ENVIRONMENTS.
- THESE PLATFORMS SUPPORT ROUTINE INSPECTION, MAINTENANCE AND FAULT-CLEARING TASKS WHILE MAINTAINING CONTROLLED MOVEMENT AROUND OPERATING MACHINERY.
- EACH SYSTEM IS DESIGNED TO INTEGRATE WITH EXISTING PRODUCTION LINE LAYOUTS, ALLOWING ACCESS SOLUTIONS TO BE PLANNED AROUND EQUIPMENT, GUARDING AND OPERATIONAL CLEARANCES.
- DURING THE DESIGN PHASE, PLATFORMS CAN BE CAD MODELLED AND COORDINATED WITH SITE DRAWINGS TO ENSURE ACCURATE FIT, EFFICIENT INSTALLATION AND PRACTICAL WORKING REACH FOR PERSONNEL.
- ROBUST ALUMINIUM CONSTRUCTION DELIVERS LONG-TERM DURABILITY WHILE REMAINING LIGHTWEIGHT FOR INSTALLATION WITHIN LIVE OPERATIONAL FACILITIES.
- CHECKER-PLATE DECK SURFACES PROVIDE SECURE FOOTING IN INDUSTRIAL CONDITIONS WHERE GRIP AND STABILITY ARE CRITICAL.
- HANDRAILS, MID-RAILS AND TOE BOARDS CAN BE INCORPORATED TO ENHANCE EDGE PROTECTION AND HELP PREVENT DROPPED TOOLS OR MATERIALS.
- PLATFORM HEIGHTS, LAYOUTS AND ACCESS POINTS CAN BE CONFIGURED TO SUIT SPECIFIC LINE CONFIGURATIONS, WORKFLOWS AND SITE CONSTRAINTS.
- DESIGNED TO SUPPORT SAFE ACCESS WITHOUT COMPROMISING PRODUCTIVITY OR DISRUPTING PRODUCTION FLOW.
- BACKED BY A LIFETIME STRUCTURAL WARRANTY.

<b>AUSTRALIAN</b> OWNED & OPERATED	<b>27+ YEARS IN</b> BUSINESS	<b>STRUCTURAL</b> LIFETIME WARRANTY	<b>MANUFACTURED</b> TO AS/NZS STANDARDS	<b>CUSTOM DESIGN</b> AVAILABLE



# A-FRAME TROLLEY

## SPECIALISED ACCESS SOLUTIONS

- STAR ALUMINIUM A-FRAME TROLLEYS ARE ENGINEERED FOR SAFE HANDLING AND MOVEMENT OF HEAVY SHEET MATERIALS SUCH AS GLASS, STONE AND LARGE PANEL LOADS ACROSS INDUSTRIAL AND SITE ENVIRONMENTS.
- FULLY WELDED ALUMINIUM FRAME CONSTRUCTION DELIVERS HIGH STRENGTH AND DURABILITY WHILE REMAINING CORROSION RESISTANT IN DAILY USE.
- A 1,500 KG LOAD RATING SUPPORTS DEMANDING MATERIAL HANDLING TASKS IN MANUFACTURING, WAREHOUSING AND INSTALLATION WORKFLOWS.
- FOUR-SIDED FORKLIFT ENTRY ALLOWS THE TROLLEY TO BE LIFTED AND POSITIONED FROM ANY DIRECTION, IMPROVING SITE EFFICIENCY AND REDUCING HANDLING TIME.
- RUBBER-LINED CONTACT PROFILES HELP PROTECT FINISHED SURFACES, MINIMISING DAMAGE DURING TRANSPORT AND REPOSITIONING.

- HEAVY-DUTY CASTOR SETS PROVIDE SMOOTH IN-PLANT MOBILITY AND CAN BE REMOVED FOR TRANSPORT, STORAGE OR TRAILER USE.
- INTEGRATED RATCHET AND RETAINING STRAPS HELP SECURE LOADS DURING TOWING, TRAILER MOVEMENTS OR INTERNAL TRANSFERS.
- DESIGNED FOR CONTROLLED, STABLE MATERIAL SUPPORT TO REDUCE SHIFTING, TIPPING AND MANUAL HANDLING RISK.
- BACKED BY A LIFETIME STRUCTURAL WARRANTY.

<p><b>1999</b> ESTD</p> <p><b>AUSTRALIAN</b> OWNED &amp; OPERATED</p>	<p><b>27+</b> YEARS IN BUSINESS</p>	<p><b>STRUCTURAL</b> LIFETIME WARRANTY</p>
<p><b>MANUFACTURED</b> TO AS/NZS STANDARDS</p>	<p><b>200</b> KG LOAD RATING</p>	<p><b>CUSTOM DESIGN</b> AVAILABLE</p>



**FITTED COMPLIANCE PLATE**  
Supports WHS requirements and site compliance.



**SCAN ME FOR MORE**

# CUSTOM TROLLEY SOLUTIONS

## SPECIALISED ACCESS SOLUTIONS

- STAR ALUMINIUM CUSTOM TROLLEYS ARE PRECISION-ENGINEERED FOR THE SAFE HANDLING AND MOVEMENT OF SPECIALISED COMPONENTS WITHIN HIGH-OUTPUT MANUFACTURING AND INDUSTRIAL ENVIRONMENTS.
- FULLY WELDED HEAVY-DUTY CONSTRUCTION DELIVERS HIGH STRUCTURAL INTEGRITY AND DURABILITY, ENSURING LONG-TERM RELIABILITY IN DEMANDING PRODUCTION CYCLES.
- TAILORED LOAD RATINGS SUPPORT SPECIFIC MATERIAL HANDLING TASKS, FROM LIGHTWEIGHT PRECISION PARTS TO HEAVY-DUTY INDUSTRIAL COMPONENTS.

- PURPOSE-BUILT LOCKING MECHANISMS AND RETAINING SYSTEMS ENSURE COMPONENTS ARE SECURELY POSITIONED, REDUCING SHIFTING, TIPPING, AND MANUAL HANDLING RISKS.
- ENHANCED OPERATIONAL STABILITY IS PROVIDED THROUGH ADJUSTABLE STABILISER LEGS AND NON-SLIP CHECKER-PLATE PLATFORMS FOR SECURE LOADING AND UNLOADING. BACKED BY A LIFETIME STRUCTURAL WARRANTY

--	--	--	--	--	--



TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER



A global leader in the rail manufacturing sector required a suite of tailored material-handling solutions to facilitate the safe movement of critical components within its production facility.

## PROJECT USE-CASES

### RAIL & TRANSPORT MANUFACTURING PROJECT

## PROJECT FOCUS

The project prioritised the delivery of specialised equipment designed to support high-intensity daily operations while protecting expensive, precision-engineered assets. Key requirements identified for the project included:

- ✘ Secure transport of sensitive components within a high-output manufacturing environment.
- ✘ Engineering of specialized trolleys to suit unique handling tasks across the assembly line.
- ✘ Optimisation of production workflows to minimise manual handling time and rework.
- ✘ Reduction of component damage risks during complex internal transport phases.

## THE COMMERCIAL ADVANTAGE

The implementation of these custom material-handling solutions delivered measurable operational and financial benefits for the facility. By streamlining internal logistics, the project achieved a significant reduction in waste and a boost in overall efficiency.

- ✘ Lowered operational costs by minimising component damage and reducing scrap rates.
- ✘ Increased productivity through faster, safer transport that eliminated handling delays.
- ✘ Optimised asset utilisation by reducing the reliance on ad-hoc or generic handling equipment.
- ✘ Enhanced production throughput by ensuring the right parts reach workstations in perfect condition.



## THE ENGINEERED SOLUTION

Star Aluminium engineered and manufactured a range of purpose-built trolleys that provide stable support and accurate positioning for specialized parts. These structures were designed to balance high-capacity load ratings with the delicate handling required for finished surfaces.

- ✘ Integrated locking mechanisms ensure that components remain securely fixed in position during movement.
- ✘ Precision-engineered cradles provide stable, multi-point support for complex and oversized rail parts.
- ✘ Rubber-lined contact profiles and polymer teeth protect finished surfaces from scratches or structural damage.
- ✘ Heavy-duty castor sets and adjustable stabiliser legs allow for seamless mobility and secure loading.





## SITE APPLICATIONS

The A-Frame Trolley is the ultimate site companion for handling delicate yet heavy sheet materials. Purpose-built for glazing and stone installation, it allows safe transport across uneven site floors thanks to its heavy-duty castors and secure retaining straps. By minimising manual handling and protecting valuable materials from breakage, it ensures installation projects run on schedule and within safety compliance standards.





SCAN ME FOR MORE

# MOBILE SCAFFOLD SOLUTIONS SECTION 09

## STAR MOBILE SCAFFOLD MOBILE SCAFFOLD SOLUTIONS

### STAR SINGLE WIDTH SCAFFOLD

(WITH OUTRIGGER)

BASE SIZE	MAX PLATFORM HEIGHT	MAX PLATFORM HEIGHT
1800 mm x 750 mm	2300 mm	5500 mm
2400 mm x 750mm	2300 mm	5500 mm
3000 mm x 750mm	2300 mm	5500 mm

### STAR DOUBLE WIDTH SCAFFOLD

(WITH OUTRIGGER)

BASE SIZE	MAX PLATFORM HEIGHT	MAX PLATFORM HEIGHT
1800 mm x 1200mm	3600 mm	5500 mm
2400 mm x 1200 mm	3600 mm	5500 mm
3000 mm x 1200 mm	3600 mm	5500 mm

### STAR TRIPLE WIDTH SCAFFOLD (NO OUTRIGGER)

BASE SIZE	MAX PLATFORM HEIGHT
1800 mm x 1800 mm	5500 mm
2400 mm x 1800 mm	5500 mm
3000mm x 1800 mm	5500 mm

DOUBLE WIDTH SCAFFOLD  
**450 KG**  
LOAD RATING 1.8m Width

TRIPLE WIDTH SCAFFOLD  
**450 KG**  
LOAD RATING 2.5m Width

SINGLE WIDTH SCAFFOLD  
**225 KG**  
LOAD RATING 1.2m Width



- STAR MOBILE SCAFFOLDS ARE MANUFACTURED FROM DURABLE, YET LIGHTWEIGHT ALUMINIUM ALLOY FOR INDUSTRIAL DURABILITY
- MODULAR CONSTRUCTION ALLOWING VERSATILE HEIGHT ADJUSTMENTS TO SUIT VARIOUS INDOOR AND OUTDOOR PROJECT SCALES
- IDEAL FOR A DIVERSE RANGE OF APPLICATIONS INCLUDING CONSTRUCTION, PAINTING, ROOF PLUMBING, AND RENDERING
- CUSTOM DESIGN OPTIONS: TAILORED PLATFORM SIZES, SPECIFIC HEIGHT REQUIREMENTS, AND SPECIALIST QUOTES TO MATCH UNIQUE WORKSITE NEEDS
- SECURE LOCKING MECHANISMS FOR ENHANCED WORKER PROTECTION
- BACKED BY A LIFETIME STRUCTURAL WARRANTY.
- A STABLE FOUNDATION FOR REPEATABLE, HEAVY-DUTY USE WITH REINFORCED FRAMES AND SECURE LOCKING WHEELS

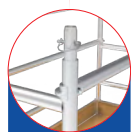


# STAR MOBILE SCAFFOLD

MOBILE SCAFFOLD SOLUTIONS

**ALL PARTS ARE FULLY WELDED**

**THICK SCAFFOLD 48 X 4.5 MM**



**CORNER POSTS**

Constructed from premium 48 mm x 4.5 mm structural tubing for superior load capacity and long-term durability. Heavy-duty posts feature precision-pressed alignment pins for easy modular stacking and secure height extensions.



**INTERNAL ACCESS SYSTEM**

Designed with integrated ladders to allow workers safe and protected movement between platform levels within the scaffold footprint.



**FULLY WELDED CASTINGS**

High-strength aluminium castings are precision-welded to the RHS for maximum structural integrity and long-term durability on the toughest sites.



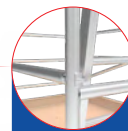
**STABILISING OUTRIGGERS**

Engineered with high-strength alloy tubing to provide maximum lateral stability and a widened safety footprint. It provides enhanced safety in demanding professional environments.



**SAFETY KICKBOARDS**

Integrated full-perimeter timber kickboards provide essential edge protection.



**SECURE BRACING SYSTEM**

Engineered with 48x2.8mm brace tubes and fully welded graspers to maintain maximum rigidity and a wobble-free experience at any height.



**HEAVY-DUTY ADJUSTABLE CASTORS**

Features 200mm diameter wheels with 300mm height adjustment and a 50kg load rating per castor for effortless mobility and levelling.



**6061T6 ALUMINIUM**

Engineered from 6061-T6 alloy for an optimal strength-to-weight ratio.

TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

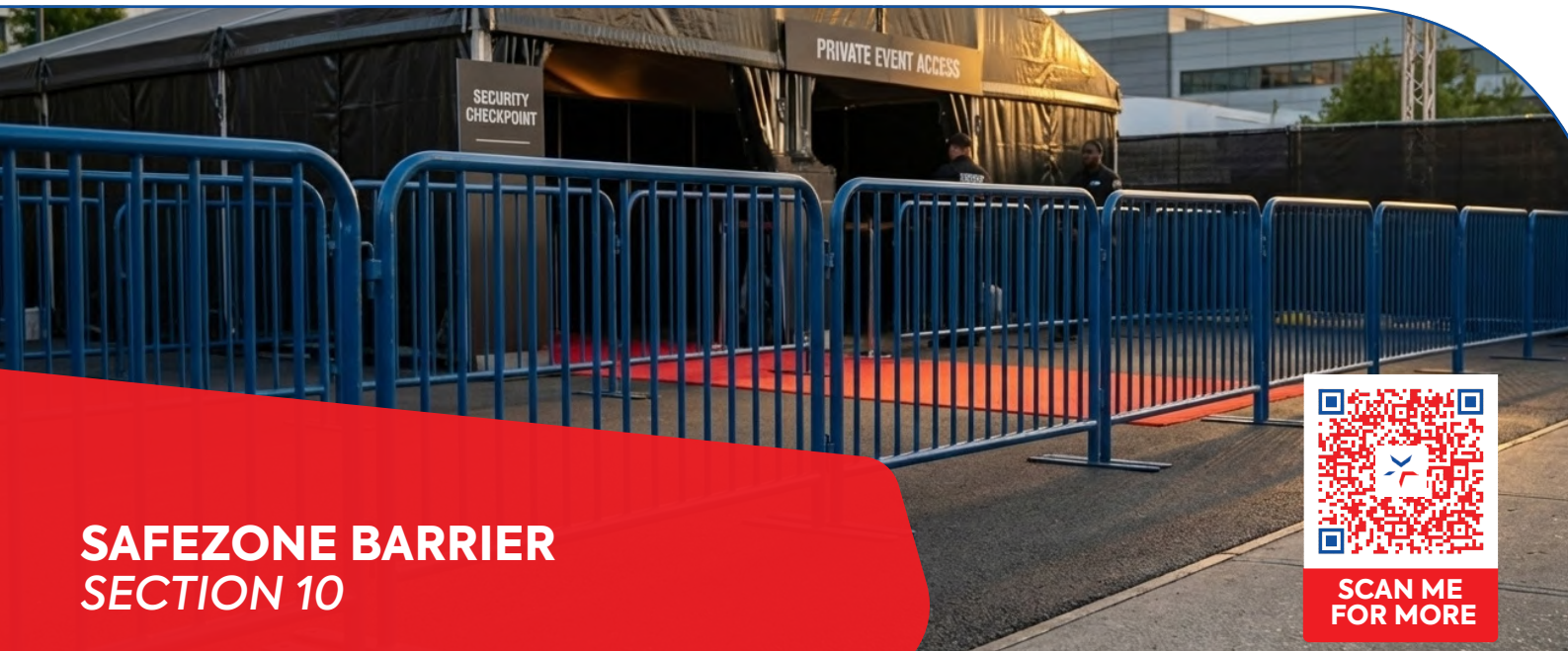
STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER



## SAFEZONE BARRIER SECTION 10

### SAFEZONE BARRIER

-  STAR SAFEZONE BARRIERS ARE MANUFACTURED FROM DURABLE, YET LIGHTWEIGHT ALUMINIUM ALLOY
-  CAN BE MANUFACTURED FROM STAINLESS STEEL
-  CUSTOM COLOUR POWDER COATED FINISHES PROVIDE CLEAR VISUAL SEGREGATION, ALLOWING FOR EFFECTIVE MANAGEMENT OF SITE ACCESS AND EXCLUSION ZONES.
-  IDEAL FOR IMPROVING WORKSITE ORDER BY CLEARLY MARKING FOOTPATHS, DEFINING MARSHALLING AREAS, AND ENFORCING ACCESS RESTRICTIONS.
-  THE INTEGRATED INTERLOCKING SYSTEM ALLOWS MULTIPLE BARRIERS TO BE SECURELY CONNECTED.
-  CUSTOM DESIGN OPTIONS: TAILORED COLOUR FINISHES, CUSTOM DIMENSIONS, AND INTERCHANGABLE FEET FOR DIFFERENT TERRAIN TYPES.
-  SUPPLIED FLAT-PACKED TO REDUCE FREIGHT COSTS
-  EACH UNIT IS FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS
-  BACKED BY A LIFETIME STRUCTURAL WARRANTY.

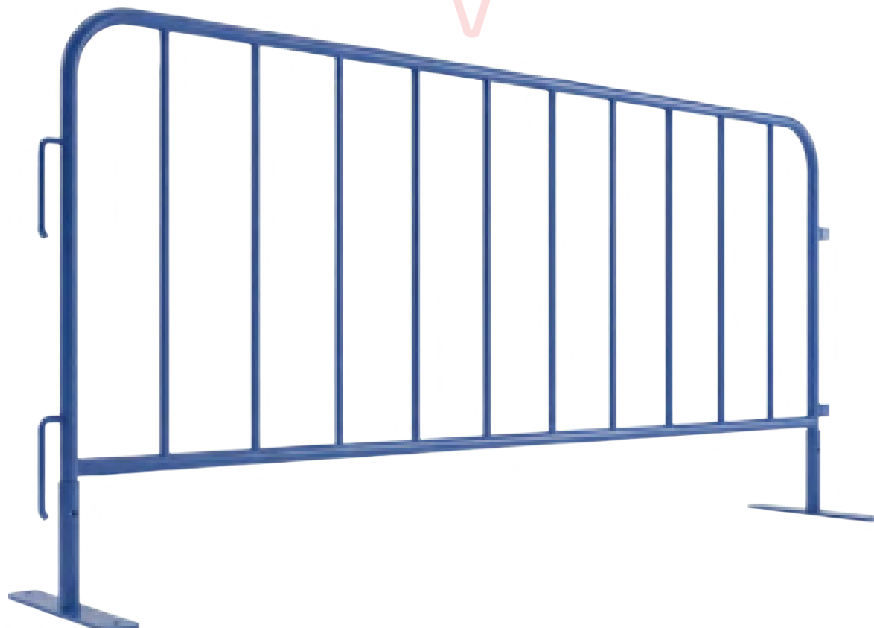
**1999**  
ESTD  
**AUSTRALIAN**  
OWNED & OPERATED

**27+**  
**27+ YEARS IN**  
BUSINESS

**STRUCTURAL**  
LIFETIME WARRANTY

**MANUFACTURED**  
TO AS/NZS STANDARDS

**CUSTOM DESIGN**  
AVAILABLE



# POTENTIAL USE CASES



IMAGES ARE INDICATIVE ONLY.

TRUCK SAFETY SOLUTIONS

WORK PLATFORM SOLUTIONS

CROSSOVER PLATFORMS

MODULAR ACCESS PLATFORMS

TANKER ACCESS SOLUTIONS

STAIRS AND RAMPS

LADDER SOLUTIONS

SPECIALISED ACCESS SOLUTIONS

MOBILE SCAFFOLD SOLUTIONS

SAFEZONE BARRIER



SCAN ME  
FOR MORE

## INDUSTRIES

### DEFENCE

SPECIFICALLY ENGINEERED HEIGHT ACCESS SYSTEMS FOR DEFENCE APPLICATIONS, PROVIDING SAFE AND VERSATILE WORK PLATFORMS FOR CRITICAL ASSET MAINTENANCE.

106

### AVIATION

SPECIALISED HEIGHT SAFETY PLATFORMS ENGINEERED FOR AIRCRAFT MAINTENANCE, FEATURING CUSTOM-CONTOURED WING AND FUSELAGE ACCESS SYSTEMS TO ENSURE COMPLIANT SAFETY AND OPERATIONAL EFFICIENCY WITHIN HANGAR ENVIRONMENTS.

107

### MINING

HEAVY-DUTY, CORROSION-RESISTANT ACCESS SYSTEMS ENGINEERED FOR EXTREME ENVIRONMENTS, FEATURING CANTILEVER AND ADJUSTABLE WORK PLATFORMS DESIGNED FOR RIGOROUS SAFETY COMPLIANCE ACROSS COMPLEX MAINTENANCE OPERATIONS.

108

### TRANSPORT & LOGISTICS

VERSATILE HEIGHT ACCESS SYSTEMS OPTIMISED FOR FLEET MAINTENANCE AND LOGISTICAL EFFICIENCY, PROVIDING SAFE, RAPID ACCESS FOR HEAVY VEHICLE INSPECTIONS AND LOADING BAY OPERATIONS.

109

### OIL, GAS & ENERGY

NON-SPARKING, CORROSION-RESISTANT WALKWAYS AND PLATFORMS DESIGNED FOR HAZARDOUS ENVIRONMENTS, OFFSHORE RIGS AND REFINERIES WHERE WORKER SAFETY AND LONG-TERM STRUCTURAL INTEGRITY ARE VITAL.

110

### WAREHOUSING & DISTRIBUTION

USER-FRIENDLY, LIGHTWEIGHT MOBILE PLATFORMS AND SPECIALISED ORDER PICKERS DESIGNED TO IMPROVE STOCK HANDLING EFFICIENCY AND ENSURE SAFE ACCESS TO HIGH RACKING SYSTEMS IN BUSY LOGISTICS HUBS.

111

### MANUFACTURING

PRECISE, CUSTOM-ENGINEERED CROSSOVERS AND STAIRCASES THAT INTEGRATE SEAMLESSLY WITH PRODUCTION LINES AND MACHINERY TO MINIMISE DOWNTIME WHILE ENSURING SAFETY.

112

### MARITIME

HIGH-GRADE ALUMINIUM BOARDING STEPS, GANGWAYS AND DOCK PLATFORMS DESIGNED TO RESIST SALTWATER CORROSION AND PROVIDE SAFE ACCESS FOR SHIP INSPECTIONS AND SHIPYARD REPAIRS.

113

### GOVERNMENT

STANDARD OR CUSTOM ENGINEERED ACCESS SOLUTIONS, DESIGNED FOR THE SPECIFIC, CRITICAL NEEDS OF GOVERNMENT CLIENTS, THAT ARE PROVEN, RELIABLE AND MEET ALL RULES.

114

### CONSTRUCTION & CIVIL PROJECTS

THE LEADING RANGE OF STANDARD AND CUSTOM ALUMINIUM SOLUTIONS, FROM MOBILE SCAFFOLDING TO SELF-LEVELLING STAIRS, ENGINEERED FOR HIGH PERFORMANCE AND DURABILITY ON DEMANDING WORK SITES.

115

### AUTOMATION SOLUTIONS

ACCESS PLATFORMS, STAIRS AND WALKWAYS DESIGNED TO INTEGRATE SEAMLESSLY WITH AUTOMATED PRODUCTION LINES, SUPPORTING SAFE OPERATION, INSPECTION AND MAINTENANCE IN HIGH-PERFORMANCE FACILITIES.

116



Star Aluminium provides a range of height safety and access systems designed for the day-to-day requirements of the Australian Defence sector. Backed by our Structural Lifetime Warranty, we focus on supplying reliable equipment that helps personnel carry out maintenance and operational tasks safely across a variety of environments.

## DEFENCE






### PRACTICAL ACCESS SOLUTIONS FOR DEFENCE

Working on large-scale assets like armoured vehicles, aircraft, and naval vessels brings a specific set of challenges. We understand that getting the job done right depends on having steady, reliable access to the work area. Our range covers various categories of height safety, from simple mobile steps to wrap-around platforms for major overhauls.

All our solutions are designed and manufactured under rigorous ISO 9001:2015 quality management systems. Rather than a one-size-fits-all approach, we look at the specific maintenance task—whether it's engine work, structural inspections, or general fleet servicing—and provide the gear that fits the workspace and the equipment being serviced.

#### How Star Aluminium Helps

We focus on delivering straightforward, reliable systems that integrate into existing maintenance workflows without unnecessary complexity.

- 
**ISO 9001:2015 Quality Management:** Our production processes adhere to international standards, ensuring every piece of equipment meets strict quality and safety requirements.
- 
**Structural Lifetime Warranty:** We stand behind the durability of our work, providing a structural lifetime warranty on our aluminium products for long-term peace of mind.
- 
**Custom-Fit Platforms:** We design and manufacture access systems tailored precisely to the geometry of each vehicle or piece of equipment, ensuring a secure fit with no gaps.
- 
**Mobile & Adjustable Equipment:** Versatile, adjustable stands and ladders that adapt to different vehicles or maintenance stages, offering easy manoeuvrability and secure locking in place.
- 
**Workplace Safety & Protection:** Our platforms include sturdy handrails and non-slip surfaces to help prevent falls and keep the focus on the task at hand.



Star Aluminium supplies height access platforms engineered for the daily rigours of aircraft maintenance. Backed by our Structural Lifetime Warranty, we deliver reliable systems designed to keep personnel safe and maintenance schedules on track across hangar and specialist aviation facilities.

## AVIATION SECTOR AIRCRAFT MAINTENANCE ACCESS

Keeping the Fleet Flight-Ready Maintaining a fleet requires access that is exceptionally steady and purpose-built for the task. Whether it involves routine flight-line checks or intensive structural overhauls, having the right equipment is essential for both personnel safety and avoiding operational delays. Our portfolio encompasses everything from modular work platforms and platform ladders to cantilever work platforms, self-levelling stairs, and specialised wing docking systems.

Every solution we provide is designed and built within an ISO 9001:2015 certified quality management system, ensuring our gear is as precise as the aircraft it is meant to service. We move away from one-size-fits-all designs, instead providing tailored platforms that suit the specific hangar workspace and the unique contours of the airframe being worked on.

### How Star Aluminium Helps

We focus on providing practical, high-performance equipment that integrates seamlessly into your existing hangar workflows.

- ✈ ISO 9001:2015 Quality Management: Our production processes adhere to international standards, ensuring every piece of equipment meets strict quality and safety requirements.
- ✈ Structural Lifetime Warranty: We stand behind the durability of our work, providing a structural lifetime warranty on our aluminium products for long-term peace of mind.
- ✈ Asset-Specific Engineering: We design and manufacture platforms to precisely match the aircraft's geometry, ensuring a close, gap-free fit that protects the aircraft from accidental damage.
- ✈ Hangar Mobility: Utilising high-grade aluminium makes our equipment easy for technicians to manoeuvre, while heavy-duty castors ensure it stays exactly where it is placed.
- ✈ Personnel Safety: Our systems feature high-traction surfaces and solid handrails, providing a secure foundation so your team can focus on complex technical tasks.





Star Aluminium provides durable height safety and access systems, engineered to withstand the daily demands of remote minesites and processing facilities. Backed by our Structural Lifetime Warranty, we focus on providing reliable equipment manufactured under ISO 9001:2015 certified quality management systems to support personnel safety and operational uptime across heavy machinery fleets and fixed plant infrastructure.

## MINING






### ROBUST ACCESS SOLUTIONS FOR HARSH ENVIRONMENTS

Mining operations run on demanding schedules where any delay in maintenance for machinery or fixed plant can have a significant impact on production. In these high-pressure environments, providing technicians with safe and steady access to elevated work areas is a fundamental requirement. Whether it is a routine service on a heavy haulage fleet or complex repairs within a processing plant, the equipment used must be as tough as the site itself to ensure the work is carried out without unnecessary risks.

Our range covers various categories of height access, from mobile maintenance stands designed for workshop use to cantilevered platforms that allow for safe reach over conveyor systems and piping. Every solution we provide is designed and manufactured within an ISO 9001:2015 certified quality management environment, ensuring that our processes are dependable and our product is site-ready from day one. Built for remote locations, our platforms endure heavy use and harsh conditions, all while providing stable, easy-to-use access for operators.

#### How Star Aluminium Helps

We focus on delivering practical, hard-working systems that integrate into your existing maintenance workflows to improve safety and site efficiency.

- 
**ISO 9001:2015 Quality Management:** Our production processes adhere to international standards, ensuring every piece of equipment meets strict quality and safety requirements.
- 
**Structural Lifetime Warranty:** We stand behind the durability of our work, providing a structural lifetime warranty on our aluminium products for long-term peace of mind.
- 
**Versatile Design Options:** Our range includes specialised equipment such as adjustable work platforms for varying maintenance heights and cantilever systems designed to reach over machinery and complex obstacles.
- 
**Heavy-Duty Materials:** We use high-grade aluminium and reinforced components that resist corrosion and rust, ensuring our platforms require minimal upkeep even when exposed to harsh chemicals, dust, or coastal environments.
- 
**Practical Site Mobility:** Despite their robust build, our platforms are designed to be easily moved by personnel, featuring heavy-duty locking castors and intuitive layouts that allow for rapid deployment across workshops and plants.





Star Aluminium supplies an extensive range of height safety products, with a primary focus on dedicated truck access platforms and integrated maintenance systems. Backed by our Structural Lifetime Warranty, we provide reliable equipment manufactured within an ISO 9001:2015 certified quality management environment to ensure safe and efficient workflows across workshops, loading bays, and busy logistics hubs.






## TRANSPORT & LOGISTICS INTEGRATED ACCESS SOLUTION

Maintaining the momentum of transport networks requires a disciplined approach to vehicle maintenance and cargo handling. In high-traffic depot environments, personnel require steady and intuitive access to carry out inspections, technical repairs, and loading tasks safely. Our portfolio covers a broad spectrum of height safety categories, ranging from specialised truck access platforms to modular crossover systems and adjustable work platforms, all designed to withstand constant use in fast-paced operational settings.

Every solution we provide is designed and built within an ISO 9001:2015 certified quality management system, ensuring our internal processes are dependable and our equipment is ready for the high demands of the transport industry. We recognise that logistics facilities are complex zones where spatial constraints and rapid turn-around times are essential. Rather than a one-size-fits-all approach, we deliver height safety products—including cantilever systems and work platform ladders—that align with specific fleet assets and site layouts, helping to reduce operational downtime.

### How Star Aluminium Helps

We focus on delivering practical, hard-working systems that integrate into your existing maintenance and loading workflows to improve overall site efficiency.

- 
**ISO 9001:2015 Quality Management:** Our production processes adhere to international standards, ensuring every piece of equipment meets strict quality and safety requirements.
- 
**Structural Lifetime Warranty:** We stand behind the durability of our work, providing a structural lifetime warranty on our aluminium products for long-term peace of mind.
- 
**Dedicated Truck Access Platforms:** We design and manufacture specialised platforms that provide secure access to truck cabs, engines, and trailers, ensuring operators have a safe work environment to perform their tasks.
- 
**Safe Loading & Unloading Operations:** We provide platforms and safety screen systems specifically engineered to facilitate safe access to trailers and cargo areas, protecting personnel during intensive loading cycles.
- 
**Bespoke Site Integration:** Our engineering team works closely with you to ensure our products fit your specific configurations, providing custom designs to solve unique spatial challenges within your facility.





Star Aluminium provides a comprehensive range of height safety and access systems built for the challenging environments of the oil, gas, and energy industries. Backed by our Structural Lifetime Warranty, we supply high-performance equipment manufactured within an ISO 9001:2015 certified quality management environment to ensure safety and durability across refineries, offshore rigs, and energy facilities.

## OIL, GAS & ENERGY

### ROBUST MAINTENANCE ACCESS FOR HIGH-RISK ZONES

Maintenance and inspection tasks within the energy sector require access solutions that can withstand extreme environmental factors, from corrosive salt spray on offshore rigs to the chemical exposure found in refineries. Technicians and engineers need a reliable, stable footing to perform critical repairs and technical checks on large-scale assets and complex infrastructure. Our extensive portfolio is designed to meet these needs, providing safe and efficient movement across sites with varying requirements.

Every solution in our range is designed and built within an ISO 9001:2015 certified quality management system, ensuring that our internal processes deliver the consistency and reliability required for hazardous zones. Rather than a one-size-fits-all approach, we provide a wide array of systems—including modular walkways, specialised stairs, and adjustable platforms—that integrate seamlessly into your facility's existing layout, helping to minimise downtime while maintaining strict safety protocols.

#### How Star Aluminium Helps

We focus on delivering versatile, hard-working systems that improve safety and operational efficiency across all categories of energy infrastructure.

- ✕ ISO 9001:2015 Quality Management: Our production processes adhere to international standards, ensuring every piece of equipment meets strict quality and safety requirements.
- ✕ Structural Lifetime Warranty: We stand behind the durability of our work, providing a structural lifetime warranty on our aluminium products for long-term peace of mind.
- ✕ Resilience to Corrosion: We utilise high-grade aluminium that is naturally resistant to corrosion and chemical degradation, making our entire range of walkways and platforms suitable for high-exposure coastal and offshore facilities.
- ✕ Comprehensive Access Portfolio: Our systems cover all site requirements, including crossover platforms for safe passage over piping, adjustable work platforms for varying maintenance heights, and modular stairs for permanent or temporary access.
- ✕ Bespoke Engineering & Site Integration: We provide custom-designed access systems for unique facility layouts, ensuring that our stairs, walkways, and platforms solve specific spatial challenges while supporting existing maintenance workflows.
- ✕ Personnel Protection: Every design prioritises personnel safety with high-traction surfaces and solid handrails, providing a secure environment for technical teams working in high-pressure or hazardous zones.





Star Aluminium provides lightweight and efficient access systems designed to improve safety and workflow in high-traffic environments. Backed by our Structural Lifetime Warranty, we focus on supplying equipment manufactured within an ISO 9001:2015 certified quality framework to support high-reach tasks and complex material handling requirements.

## WAREHOUSING & DISTRIBUTION







### INTEGRATED ACCESS FOR HIGH-REACH LOGISTICS

**Optimising Workflow and Personnel Safety** The modern warehouse environment demands rapid movement and safe access to high-level racking and specialised equipment. Maintaining a consistent workflow requires systems that are easy to position and robust enough for daily use in busy distribution centres. Our portfolio covers various height safety categories, including work platform ladders, conveyor crossover systems, and folding platforms designed to help technical teams manage inventory and maintenance safely.

Every solution we provide is designed and built within an ISO 9001:2015 certified quality management system, ensuring that our internal processes deliver the consistency and reliability required for active logistics hubs. We recognise that every facility layout presents unique spatial challenges; therefore, we provide a versatile range of products that help reduce downtime and prevent workplace incidents during high-reach tasks and material handling operations.

#### How Star Aluminium Helps

We focus on delivering practical, hard-working systems that integrate into your existing logistics workflows to improve overall site efficiency.

-  **ISO 9001:2015 Quality Management:** Our production processes adhere to international standards, ensuring every piece of equipment meets strict quality and safety requirements.
-  **Structural Lifetime Warranty:** We stand behind the durability of our work, providing a structural lifetime warranty on our aluminium products for long-term peace of mind.
-  **Versatile High-Reach Products:** Our range includes specialised work platform ladders, order pickers, and folding platforms designed for efficient stock handling and safe access to high racking systems.
-  **Conveyor & Workflow Integration:** We design and manufacture crossover platforms and stairs that allow for safe passage over conveyors and machinery, keeping operations running without interruption.
-  **Lightweight & Movable Designs:** Focused on ease of use, our aluminium systems are designed to be easily moved and positioned by personnel, reducing strain and allowing for rapid deployment across the facility.
-  **Custom Engineered Access:** For facilities with non-standard layouts or specialised inventory systems, our engineering team provides bespoke designs to solve specific spatial constraints that off-the-shelf equipment cannot address.



Star Aluminium delivers custom-engineered platforms and walkways, designed to integrate seamlessly with complex production lines and industrial machinery. Backed by our Structural Lifetime Warranty, we focus on supplying high-performance equipment manufactured within an ISO 9001:2015 certified quality framework to enhance operational efficiency and ensure personnel safety in active factory environments.







## MANUFACTURING INTEGRATED ACCESS FOR PRODUCTION AND ASSEMBLY

In manufacturing, every minute of downtime affects productivity. That's why our access solutions are custom-designed to fit your plant's unique layout, giving technicians safe, reliable access to machinery for maintenance, adjustments, and fine-tuning. From bespoke crossovers and integrated platforms to staircases, our height safety systems ensure stable, secure access to conveyor lines and large-scale assembly equipment—keeping your operations running smoothly and efficiently.

Every solution we provide is designed and built within an ISO 9001:2015 certified quality management environment, ensuring our internal processes deliver the consistency and reliability required for industrial facilities. We understand that complicated factory sites present unique spatial challenges; therefore, we deliver access systems that protect personnel and support high productivity across all stages of the manufacturing process.

### How Star Aluminium Helps

We focus on delivering practical, hard-working systems that integrate into your existing production workflows to improve safety and factory efficiency.

- 
**ISO 9001:2015 Quality Management:** Our production processes adhere to international standards, ensuring every piece of equipment meets strict quality and safety requirements.
- 
**Structural Lifetime Warranty:** We stand behind the durability of our work, providing a structural lifetime warranty on our aluminium products for long-term peace of mind.
- 
**Custom Integrated Engineering:** Our engineering team designs specific solutions—including crossovers and staircases—that fit your current equipment and floor space, solving access problems that standard products cannot address.
- 
**Safety & Operational Compliance:** Every system prioritises personnel safety, featuring non-slip surfaces and sturdy guardrails that align with rigorous Workplace Safety (WHS) requirements for industrial environments.
- 
**Durable High-Grade Materials:** We utilise high-grade aluminium that is naturally resistant to rust, ensuring our platforms and walkways can handle the constant demands of a busy factory floor.
- 
**Seamless Workflow Integration:** Our systems are engineered to facilitate safe movement over conveyor belts and around large machinery, ensuring that maintenance tasks do not interrupt the flow of production.



Star Aluminium provides heavy-duty access systems designed for the high-pressure environments of ports, shipyards, and vessel maintenance facilities. Backed by our Structural Lifetime Warranty, we focus on delivering reliable equipment manufactured within an ISO 9001:2015 certified quality framework to ensure maximum personnel safety and structural integrity across all marine applications.

## MARITIME







### STRUCTURAL RELIABILITY IN HARSH ENVIRONMENTS

The maritime industry operates under demanding schedules where equipment failure is not an option. Whether performing dry dock repairs, vessel inspections, or cargo handling, personnel require access solutions that provide absolute stability under heavy usage and unpredictable weather conditions. Our range is engineered to maintain its structural form and safety performance in active port environments, providing a dependable foundation for technical teams working at height or over water.

Every solution we provide is designed and built within an ISO 9001:2015 certified quality management system, ensuring that our internal processes deliver the consistency required for critical marine infrastructure. We understand that wharves and shipyards present complex spatial challenges; therefore, we focus on delivering a versatile range of marine-grade products—including custom gangways and specialised boarding steps—that enhance site safety and support long-term operational uptime.

#### How Star Aluminium Helps

We focus on delivering practical, hard-working systems that integrate into your existing maritime workflows to improve safety and operational efficiency.

- 
**ISO 9001:2015 Quality Management:** Our production processes adhere to international standards, ensuring every piece of equipment meets strict quality and safety requirements.
- 
**Structural Lifetime Warranty:** We stand behind the durability of our work, providing a structural lifetime warranty on our aluminium products for long-term peace of mind.
- 
**Engineered for Extreme Conditions:** We utilise high-grade aluminium and reinforced components to ensure our platforms and walkways maintain their structural integrity even under constant exposure to harsh coastal elements.
- 
**Specialised Marine Access Systems:** Our range includes custom-engineered gangways and boarding steps specifically designed to facilitate safe movement for vessel inspections and shipyard maintenance.
- 
**Safety & Operational Compliance:** Every system prioritises personnel safety, featuring high-traction non-slip surfaces and sturdy guardrails that align with rigorous Workplace Health and Safety (WHS) requirements.
- 
**Bespoke Site Integration:** Our engineering team provides custom-designed access solutions for unique vessel or wharf layouts, ensuring that our equipment solves specific spatial challenges while supporting efficient maintenance schedules.



Star Aluminium manufactures heavy-duty access systems, specifically engineered to support safe and reliable movement across transport corridors, government sites, and key infrastructure projects. Backed by our Structural Lifetime Warranty, we operate within an ISO 9001:2015 certified quality framework to ensure full traceability and reliability for critical government sectors.

## GOVERNMENT

### UNCOMPROMISING COMPLIANCE AND STRUCTURAL RELIABILITY

Government departments and public authorities require access solutions that meet stringent procurement protocols and national safety regulations. In sectors ranging from transport corridors to emergency services and advanced research facilities, the ability to trace components and maintain consistent quality is non-negotiable. Personnel and the public require systems that provide absolute stability and follow rigorous building codes to ensure safety during daily operations and large-scale infrastructure projects.

Every solution we provide is designed and manufactured within an ISO 9001:2015 certified quality management environment, ensuring that our internal processes meet the high demands of government contracts. Our portfolio covers various height safety categories—including stair access platforms, integrated guardrails, and bespoke walkways—designed to provide long-term reliability for both permanent and temporary applications across the public sector.

#### How Star Aluminium Helps

We focus on delivering practical, high-compliance systems that integrate into complex government projects to improve safety and operational efficiency.

- 
**ISO 9001:2015 Quality Framework:** Our manufacturing facilities operate under a certified management system, ensuring that every project meets international quality protocols and provides the necessary documentation for government procurement.
- 
**Structural Lifetime Warranty:** We stand behind the integrity of our products, providing a structural lifetime warranty on our aluminium frames for long-term peace of mind in high-traffic public environments.
- 
**Specialised Agency Expertise:** We supply custom-engineered solutions for the specific, critical needs of government clients, including the Australian Defence Force, emergency services, and the Australian Nuclear Science and Technology Organisation (ANSTO) amongst others.
- 
**National Safety Compliance:** Our systems, such as stair access platforms and modular guardrails, are manufactured to meet every relevant Australian standard and WHS requirement for public and operational safety.
- 
**Durable and Low Maintenance:** Utilising high-grade aluminium ensures our systems are naturally resistant to rust and degradation, making them ideal for long-term use in transport corridors and outdoor government facilities.
- 
**Bespoke Engineering Solutions:** Our team provides one-off, custom designs to solve unique spatial challenges or specific project requirements that standard off-the-shelf equipment cannot address.



Star Aluminium provides adaptable, heavy-duty access systems designed to support safe movement and productivity throughout every stage of evolving construction projects. Backed by our Structural Lifetime Warranty, we operate within an ISO 9001:2015 certified quality framework to deliver reliable equipment that meets the rigorous demands of large-scale infrastructure and civil works.

## CONSTRUCTION & CIVIL PROJECTS






### THE NEED FOR FLEXIBLE, RELIABLE ACCESS

Construction and civil projects require access solutions that are both strong and highly flexible to suit rapidly changing site conditions. From the initial groundwork to the final stages of the project, maintaining safe movement across massive infrastructure sites is essential for operational output. Personnel require stable platforms and stairs that can handle high-traffic while following national building codes to ensure safety during daily operations.

Every solution we provide is designed and manufactured within an ISO 9001:2015 certified quality management environment, ensuring that our internal processes deliver the consistency and performance required for complex civil engineering projects. Our extensive portfolio covers various height safety categories—including mobile scaffolding, self-levelling stairs, and modular access platforms—designed for long-term reliability and ease of setup in the most demanding site environments.

#### How Star Aluminium Helps

We focus on delivering high-strength systems that integrate into complex workflows to improve safety and project efficiency.

- 
**ISO 9001:2015 Quality Framework:** Our production facilities operate under a certified management system, ensuring that every piece of equipment meets strict international quality protocols and provides full traceability for infrastructure requirements.
- 
**Structural Lifetime Warranty:** We stand behind the build quality of our products, providing a structural lifetime warranty on our aluminium frames for long-term operational peace of mind on rough work sites.
- 
**Bespoke Engineering Solutions:** Our skilled engineers create custom aluminium systems specifically designed for demanding site environments, solving unique spatial challenges that standard equipment cannot address.
- 
**Safety & Code Compliance:** Every item is built to handle rough site conditions and meets all relevant building codes and WHS requirements, ensuring safe movement and full operational compliance.
- 
**Strategic Industry Partnerships:** We take pride in building lasting connections through reliable, high-quality systems, proudly supporting industry leaders such as Delta Group and Downer on major civil and infrastructure projects.









Star Aluminium provides specialised height safety and access systems designed to integrate with automated production and sorting lines. Backed by our Structural Lifetime Warranty, we focus on engineering durable crossovers and platforms that support operational uptime while maintaining personnel safety in high-tech industrial environments.

## AUTOMATION SOLUTIONS

Since 1999, Star Aluminium has been a leading provider of custom height safety solutions, specifically supporting the requirements of the automation industry. We recognise that automated systems require specialised access for maintenance and operational checks without disrupting the flow of production. Our range of crossovers and integrated platforms is engineered to provide safe, intuitive movement over conveyors and sensitive machinery, ensuring that technical teams can perform essential tasks with total stability.

Every solution we provide is designed and built within an ISO 9001:2015 certified quality management framework, ensuring our internal processes deliver the consistency and accuracy required for modern automated facilities. We combine over 27 years of fabrication experience with advanced machining to create smart, efficient access systems that help your operations reach new heights of success.

- 
**ISO 9001:2015 Quality Management:** Operating under a certified quality management system to guarantee that every support structure meets strict international quality protocols.
- 
**Structural Lifetime Warranty:** Standing behind the integrity of our builds to ensure long-term operational peace of mind for all integrated access components.
- 
**Seamless Line Integration:** Engineering custom crossover platforms and stairs that facilitate safe movement around and over conveyor systems without interrupting automation cycles.
- 
**Specialised Maintenance Access:** Providing stable, high-reach platforms designed for technical teams to reach critical machine components for upkeep and tweaking settings.
- 
**Bespoke Technical Engineering:** Working closely with automation providers to develop custom-designed aluminium structures that fit specific site layouts and machinery configurations.
- 
**WHS & Code Compliance:** Ensuring all access systems meet relevant building codes and safety regulations for high-traffic, automated industrial zones.

## CORPORATE

### STAINLESS STEEL FABRICATION

SPECIALISED STAINLESS STEEL ACCESS SOLUTIONS ENGINEERED FOR HYGIENE-SENSITIVE AND HIGH-PRECISION ENVIRONMENTS, INCLUDING AVIATION, FOOD PROCESSING AND SPECIALIST MAINTENANCE APPLICATIONS.

118

### POWDER COATING

VERSATILE, HIGH-DURABILITY COATING SOLUTIONS APPLICABLE TO AN EXTENSIVE ARRAY OF INDUSTRIAL COMPONENTS AND STRUCTURES, DELIVERING SUPERIOR CORROSION RESISTANCE AND A PREMIUM, LONG-LASTING FINISH.

119

### MILD STEEL FABRICATION

SPECIALISED HEAVY-DUTY STRUCTURAL SOLUTIONS ENGINEERED FOR MAXIMUM STRENGTH AND LOAD CAPACITY, SUPPORTING CRITICAL MINING, INFRASTRUCTURE AND INDUSTRIAL APPLICATIONS.

120

### PRINTING SERVICES

CUSTOM INDUSTRIAL SIGNAGE AND MARKING SOLUTIONS TAILORED FOR OPERATIONAL SAFETY, DURABLE ASSET IDENTIFICATION, AND INTEGRATED BRANDING ACROSS DIVERSE WORK ENVIRONMENTS.

121



SCAN ME  
FOR MORE



Star Aluminium delivers high-performance stainless steel fabrications engineered for long-lasting structural integrity in demanding, corrosion-sensitive environments, including the food industry. Backed by our Structural Lifetime Warranty, we deliver robust solutions engineered to withstand the operational rigours of the industrial and processing sectors.

## STAINLESS STEEL FABRICATION

At Star Aluminium, we provide specialised stainless steel services designed for the unique demands of the food, commercial, and heavy industrial sectors. In environments where moisture and chemical factors are constant, stainless steel is the essential choice for maintaining structural integrity and safety. Our team applies over 27 years of experience to create custom access systems—ranging from crossovers to industrial platforms—engineered to thrive where standard materials may fail.

Every solution we deliver is designed and built within an ISO 9001:2015 certified quality management system, ensuring our internal processes provide the consistency required for critical infrastructure. We believe that quality fabrication is about delivering a tested, high-performance solution that ensures long-term reliability across all applications.

- ✈ ISO 9001:2015 Management: Our production cycles are governed by a certified management system, ensuring every stage meets strict international quality protocols.
- ✈ Structural Lifetime Warranty: We stand behind our build quality, providing a structural lifetime warranty for long-term operational peace of mind.
- ✈ Industry Specialisation: We design and manufacture platforms and components for the food, chemical, and general manufacturing industries.
- ✈ Structural Integrity: From custom brackets to large-scale crossovers, we ensure every structure will not bend or crack under pressure.
- ✈ Collaborative Process: We work closely with you from initial design to final quality check to meet your exact specifications.
- ✈ Corrosion Resistance: High-grade stainless steel ensures durability in moisture-heavy or chemically aggressive environments, providing a low-maintenance solution.





Star Powder Coating delivers high-performance finishes engineered to protect access systems and fabricated components from Australia's harsh environmental conditions. The powder coating creates a hard, protective layer over the metal, making handrails, stairs, and other components highly resistant to scratches, chipping, and general wear from frequent use. It also provides a uniform, professional finish in a range of colours, allowing for colour-coding, branding, or visibility enhancements

## STAR POWDER COATING

Protecting industrial equipment from wear and environmental degradation requires more than just a coat of paint. Star Powder Coating has provided specialised finishes that significantly outperform traditional coats in both toughness and uniformity. Whether it is for a new project or extending the life of existing products, our powder coatings are engineered to stay intact under heavy operational use.

- ⊗ **Advanced Curing Process:** Coatings are applied electrostatically before being cured at high temperatures to create a surface far more resistant to chipping and fading than conventional paint.
- ⊗ **Extensive Colour Range:** We offer a vast spectrum of colours and finishes, allowing for custom branding or high-visibility safety requirements across all project types.
- ⊗ **Versatile Applications:** We handle a wide array of products, from automotive parts like bull-bars and wheels to electrical components and shop fittings.
- ⊗ **Component Rejuvenation:** Beyond new projects, we offer specialised re-coating services to help restore and extend the operational life of your existing equipment.
- ⊗ **Large-Format Capacity:** Our facilities are equipped to accommodate large-scale components, ensuring an efficient turnaround for major infrastructure projects.



### CONTACT DETAILS

Phone: (03) 9799 9136  
Email: [admin@starpowdercoating.com.au](mailto:admin@starpowdercoating.com.au)

SCAN ME FOR MORE



Star Aluminium also designs and manufactures in mild steel, engineered for maximum structural strength in heavy-load industrial, infrastructure, and mining applications. Leveraging our extensive engineering expertise, we produce robust, durable steel components capable of withstanding intense operational stresses and the harshest environmental conditions.

## MILD STEEL FABRICATION

Star Aluminium delivers specialised mild steel fabrication services, focusing on structural mass and superior strength for sectors requiring extreme load capacities. We recognise that industries such as mining and heavy infrastructure often require materials capable of withstanding significant mechanical and operational stress. In response, we extend our core engineering standards to steel fabrication, applying the same meticulous attention to detail that characterises our aluminium offerings.

Every project we undertake is designed and built within an ISO 9001:2015 certified quality management system, ensuring our internal processes deliver the consistency and performance required for critical industrial frameworks. This commitment ensures that all steel components are prepared to endure the unique challenges of the Australian industrial landscape, providing long-term reliability for heavy-duty applications.

- ✈ ISO 9001:2015 Management: Our fabrication cycles are governed by a certified management system, ensuring every stage—from material selection to final assembly—meets strict international quality protocols.
- ✈ Dependable Industrial Solutions: We produce a wide range of durable equipment, from heavy-duty support structures to custom industrial frameworks built for high-load environments.
- ✈ Advanced Welding Techniques: Our experienced, qualified welders ensure full penetration and defect-free joints, which are essential for equipment subjected to constant vibration or heavy mechanical stress.
- ✈ End-to-End Project Oversight: By overseeing the entire process from initial design to final finishes, we guarantee that all steel equipment meets high durability standards and complies with all safety regulations.
- ✈ Structural Mass & Integrity: We tailor our fabrication to the specific needs of the mining and infrastructure sectors, providing the structural mass required for demanding site-specific challenges.











Star Aluminium designs custom access systems for both surface and underground mine maintenance. Backed by a Structural Lifetime Warranty, our equipment is built to handle the heavy demands of Australian mining sites while maintaining high safety standards.

## STAR PRINTING SERVICES

Navigating the demands of a modern mine site requires more than just standard gear; it requires engineering that understands the environment. For over 27 years, we have partnered with mining operations across the country to provide stable, high-strength platforms and walkways for hard-to-reach machinery. We know that in this industry, downtime is costly and safety is a non-negotiable priority.

Because precision matters in high-risk zones, every solution is designed and built within an ISO 9001:2015 certified quality management system. This framework ensures that our internal processes deliver the consistency needed to protect personnel and keep maintenance schedules on track, even in the most challenging surface or underground conditions.

-  ISO 9001:2015 Standards: We operate under a certified management framework to ensure every weld and component meets international quality protocols.
-  Structural Lifetime Warranty: We stand behind the integrity of our frames, offering long-term peace of mind for equipment used in intense industrial settings.
-  Custom Site Engineering: Our team works closely with site managers to design aluminium structures that withstand the specific rigours of underground and surface mining.
-  WHS & Site Safety: Every platform features high-traction surfaces and secure guardrails to minimise the risk of falls and injuries during critical repairs.
-  Operational Efficiency: Our lightweight yet durable designs are easy to manoeuvre, helping technical teams work faster without sacrificing stability.
-  Full Project Support: From the first site assessment through to final installation, we provide end-to-end expertise for complex mining infrastructure.



SCAN ME FOR MORE

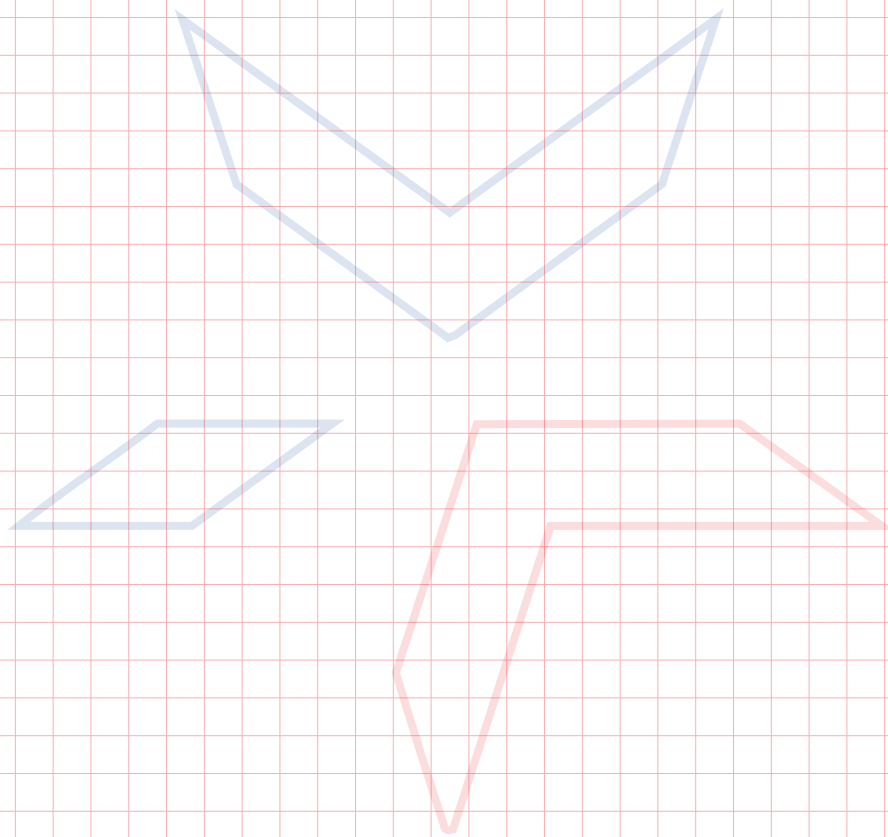


### CONTACT DETAILS

Phone: 0467 729 376

Email: [sales@starprintdesign.com.au](mailto:sales@starprintdesign.com.au)

Facebook: Star-Print-Signage





**PROUDLY AUSTRALIAN  
OWNED & OPERATED**



**Contact Us Now**

VIC: (03) 9587 5663  
QLD: (07) 3555 5210  
WA: (08) 6118 9442  
NSW: (02) 8074 7147  
SA: (08) 7333 3800  
INT: +61 412 976 012

**1300 305 200**  
[www.staraluminium.com.au](http://www.staraluminium.com.au)



**SINCE  
1999**

**RELIABLE  
DELIVERY**

**PRECISE  
MANUFACTURING**

