

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.



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CUSTOM DESIGN
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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.

