

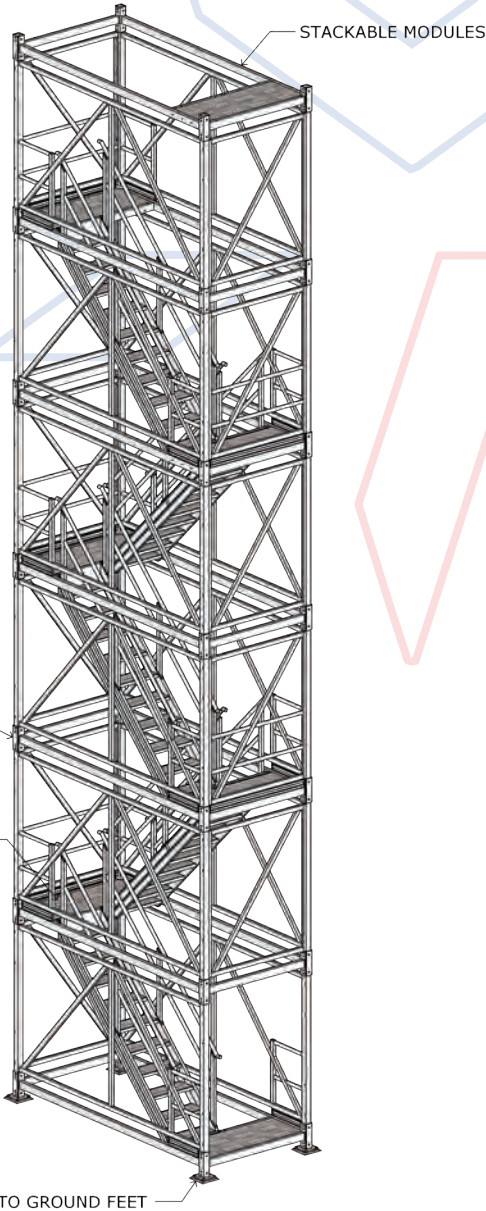
TANK ACCESS STAIR TOWER

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.

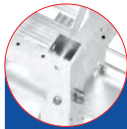
EACH UNIT IS FITTED WITH A COMPLIANCE PLATE TO SUPPORT WHS REQUIREMENTS.

BACKED BY A LIFETIME STRUCTURAL WARRANTY.



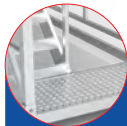
TANK ACCESS STAIR TOWER

STAIRS & RAMPS



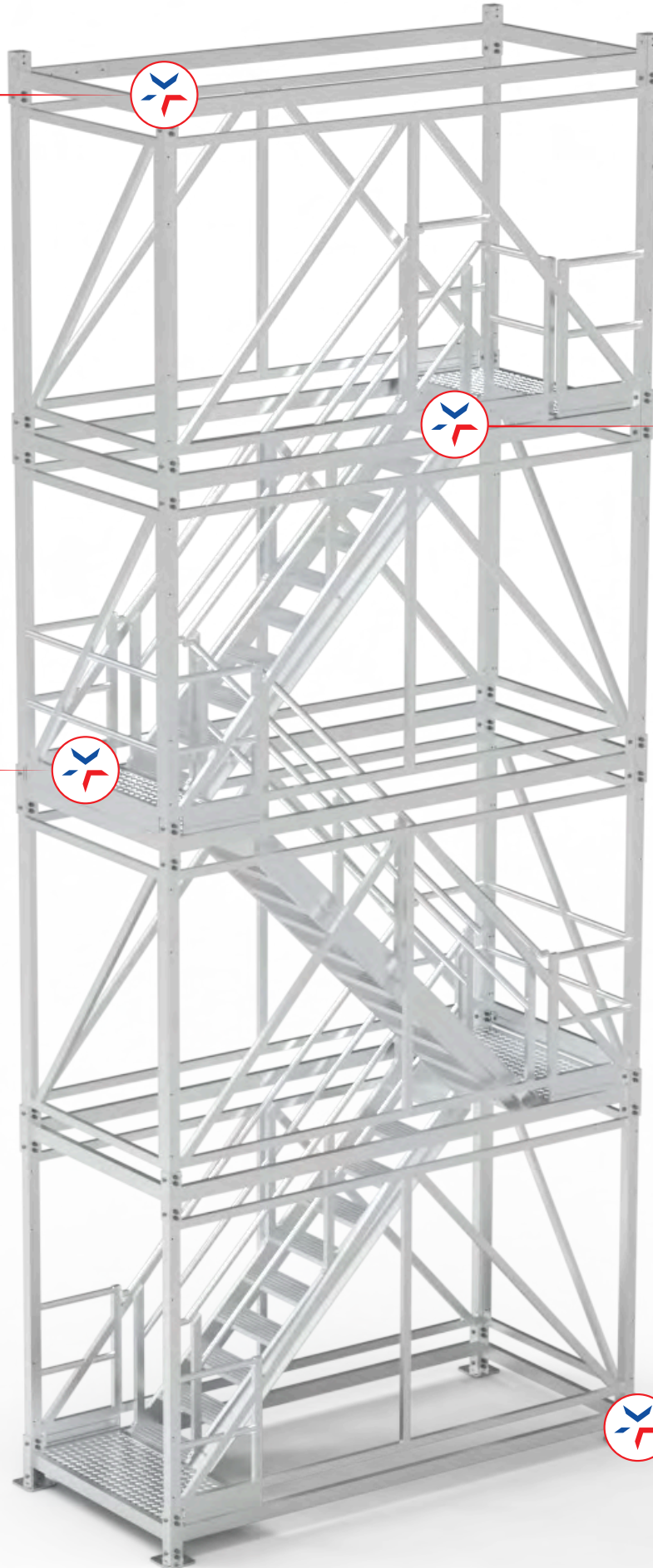
INTEGRATED LIFTING POINTS

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



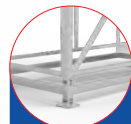
MESH LANDINGS

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.