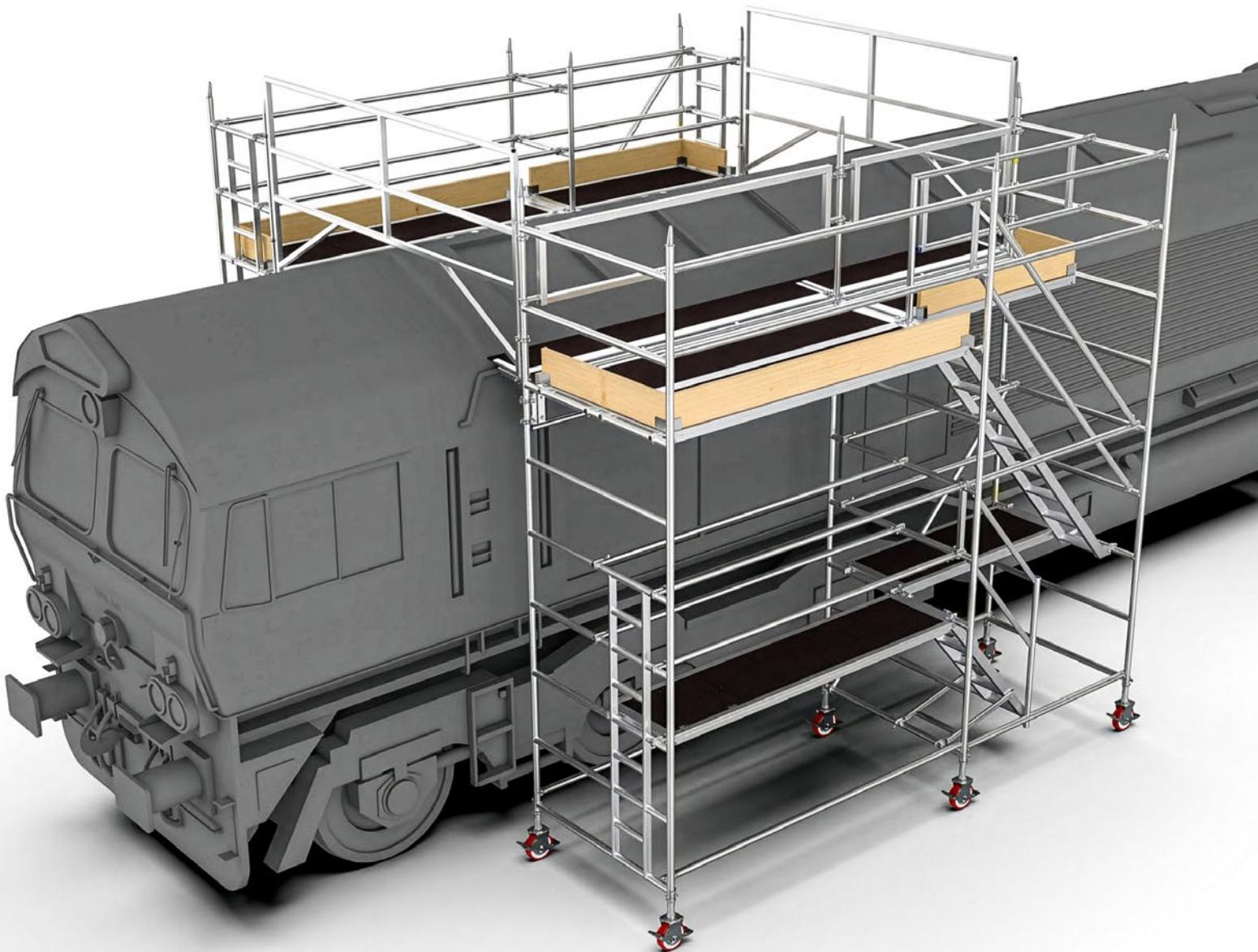


alto
ACCESS PRODUCTS

RAIL ACCESS SYSTEMS



“ At Alto Access Products, our aim has always been simple: to provide reliable access solutions that help people work safely and confidently at height.

We understand how important it is to have equipment you can trust, whether it's being used in construction, rail maintenance, facilities management, or everyday commercial work. That's why we focus on practical design, quality products, and dependable service.

For us, it's not just about supplying access equipment — it's about supporting our customers with the right solutions for the job. ”

Charlie Wright
CEO





Rolling Stock Maintenance Access Solutions

Engineered For Safety, Built For Flexibility.

At Alto we provide a choice of modular solutions and free-standing units for facilities that have to be flexible in dealing with a changing range of vehicles. We also design and manufacture bespoke fixed systems for locations dealing with a more homogeneous range of activities.

Our access solutions, designed and manufactured in the UK draw on over 40 years of experience in design for work at height across a range of industries, encompassing many complex high risk working environments.

We design for real world practicality and safety without compromise. Alto systems are engineered to perform reliably without hidden compromises.



MODULAR ACCESS EQUIPMENT

As rolling stock becomes more varied and increasingly re-purposed to extend service life, maintenance and refurbishment teams face growing challenges in providing safe, flexible access across multiple unit types.

Based on our proven HD tower platform, our modular solution is engineered to meet these demands. It offers exceptional strength, stability and adaptability.

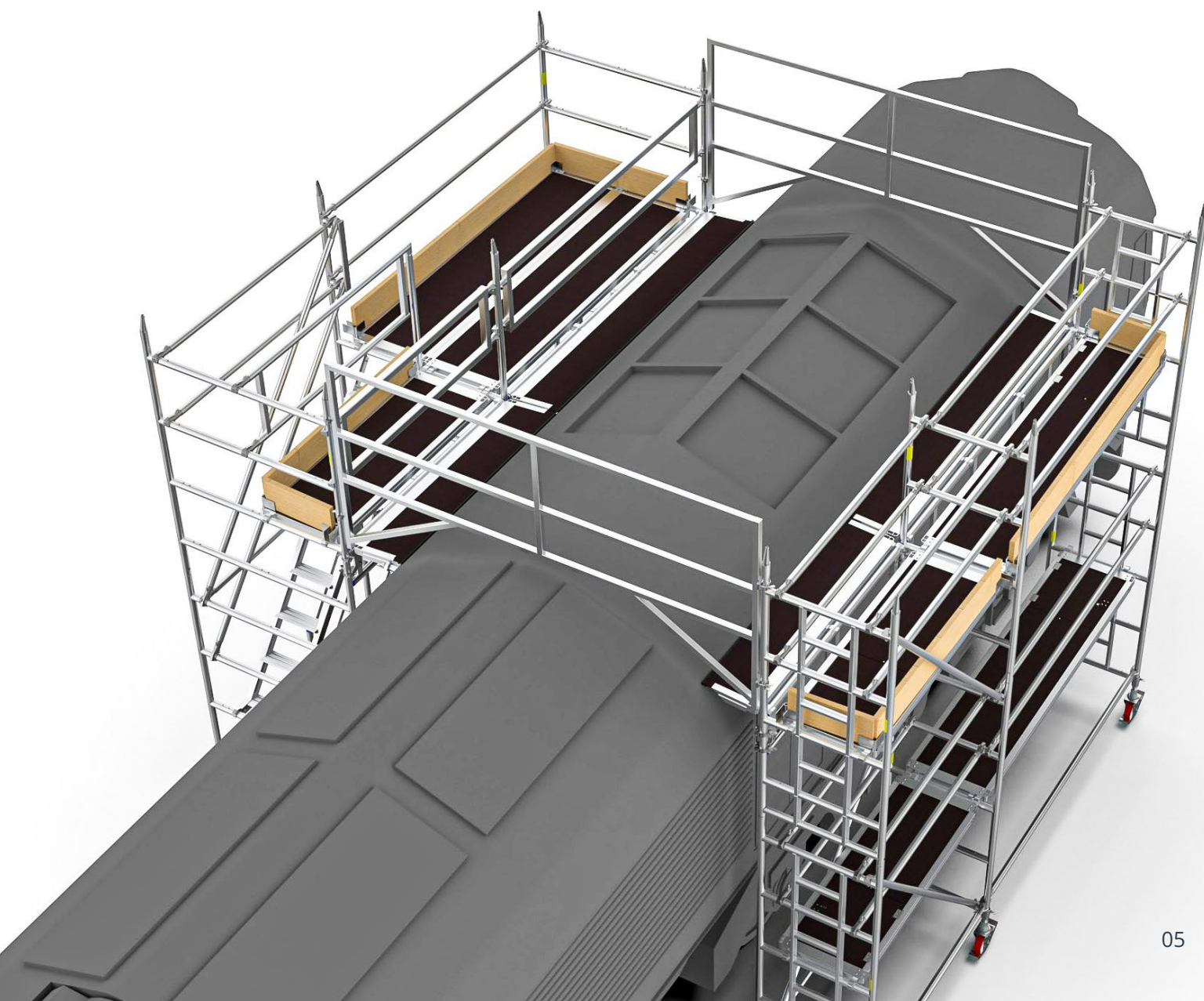
Configured with rail-specific components, the system provides safe, compliant access to roofs, sides, doorways and more, supporting everything from routine maintenance to full refurbishment. This approach offers a smart, scalable alternative to costly bespoke structures, with the flexibility to evolve as operational needs change.

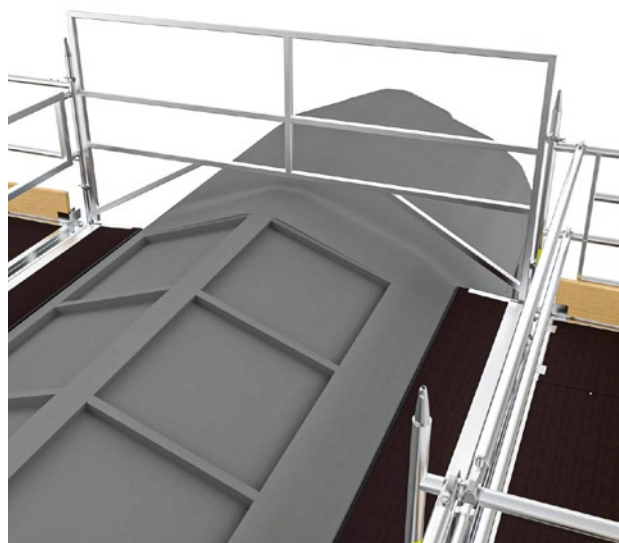
COMBINATIONS FOR ALL SITUATIONS

Modern rolling stock increasingly features equipment accessed via roof panels-such as communications pods, HVAC units, radiator panels, and exhaust systems. Alto's Rail Access System provides a comprehensive range of components to create stable safe working areas on train roofs, including gap-free access and profiled guard railing.

Our equipment also supports multi-level or multi-position work platforms within a single structure when required. Bespoke deck overlays can be designed for vehicle-specific needs-for example, curved decks to fit nose or windscreen sections, or gap-free doorway access between the train and platform.

We can also create large elevated workstations with capacity for tool chests and benches, enabling refurbishment and maintenance without the need to crane equipment to the ground. At Alto, we deliver tailored solutions that meet exacting standards, refusing to settle for anything less than excellence.





DESIGNED TO WORK

Originally developed from our unique heavy-duty mobile access tower range, the Alto Modular System is fundamentally different from conventional towers. It not only outperforms all others but also extends far beyond its initial role as a simple scaffold tower.

With over 40 years of experience designing and manufacturing access equipment, Alto has supplied solutions to highly regulated industries worldwide, including rail and aircraft maintenance, maritime, and nuclear power sectors. The Alto Modular System has been central to overcoming diverse access challenges in these demanding environments.

Our comprehensive range of purpose-designed components delivers powerful, cost-effective access systems with near-limitless flexibility, including:

- Self-levelling access stairs
- Levelling systems
- Special castors to minimise flange-way issues
- Walk-through connecting frames
- Multiple width configurations
- Drawbridge panels for roof access
- Drawbridge panels for gap-free train access
- Door guards
- Sprung-loaded access gates
- Roof guardrails
- Auto-latching guardrail panels



COMPLETE VERSATILITY

With rolling stock becoming more varied and often reconfigured to extend service life, maintenance teams need flexible, safe access across multiple unit types.

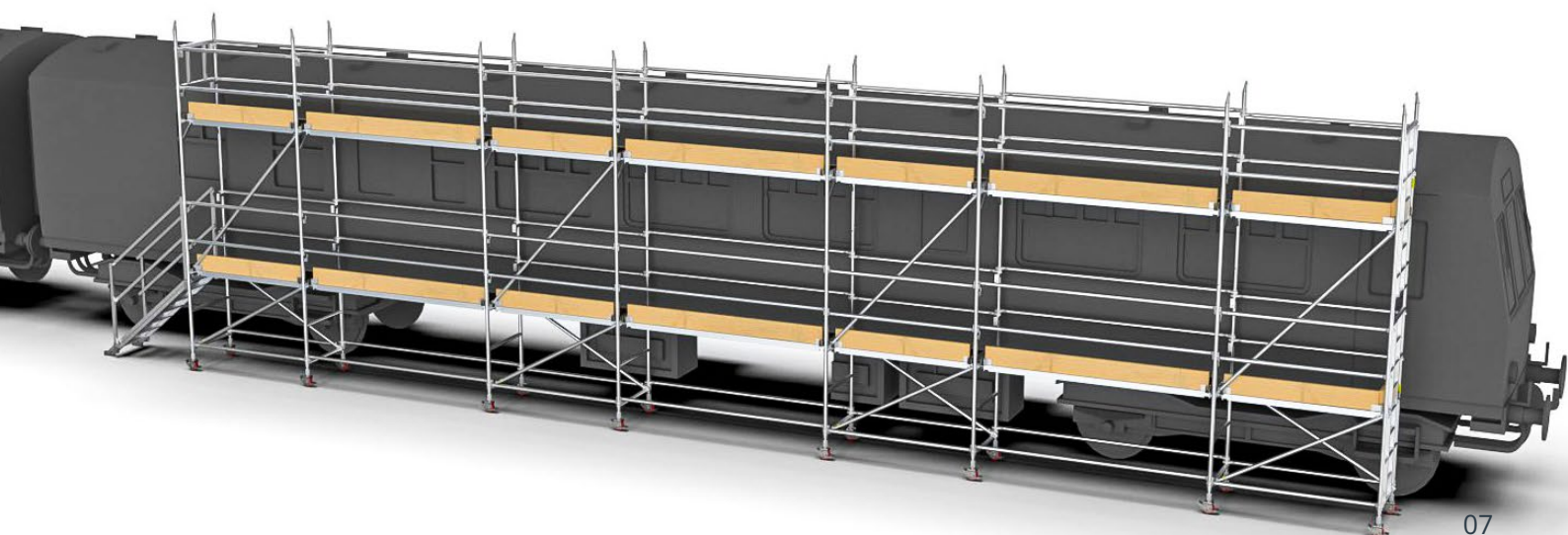
The Alto Rail Access System is a modular solution built on our proven HD tower platform, offering strength, stability, and a wide range of configurations.

It provides safe, compliant access to roofs, sides, and doorways during overhaul, repair, or refurbishment-offering a cost-effective, adaptable alternative to fixed structures.

WORK SAFELY AT EVERY LEVEL

The rail industry demands rigorous safety standards, especially for working at height in operational and maintenance settings. At Alto, we focus on delivering practical, safety-driven access solutions that enhance protection without compromising productivity.

We recognise the challenges of maintaining modern rolling stock within ageing infrastructure. Alto's adaptable modular systems provide safe, level, and robust workstations that fit varied site conditions, optimising both safety and workflow efficiency.





PREFABRICATED ACCESS EQUIPMENT

Alto's prefabricated access units are engineered to provide safe, adaptable access and work at height solutions across a wide range of rail maintenance tasks economically and efficiently. Where fixed infrastructure is limited or flexibility is essential, these adaptable units deliver practical, compliant solutions.

Ideal for constrained sites and varied rolling stock, they can be specified to suit different access heights, widths, and operational layouts. Features include:

- Fully guardrailed, toe-boarded platforms
- Adjustable legs for uneven surfaces
- Braked castors for safe movement
- Stair or ladder access options
- Flexible alternative to costly permanent structures

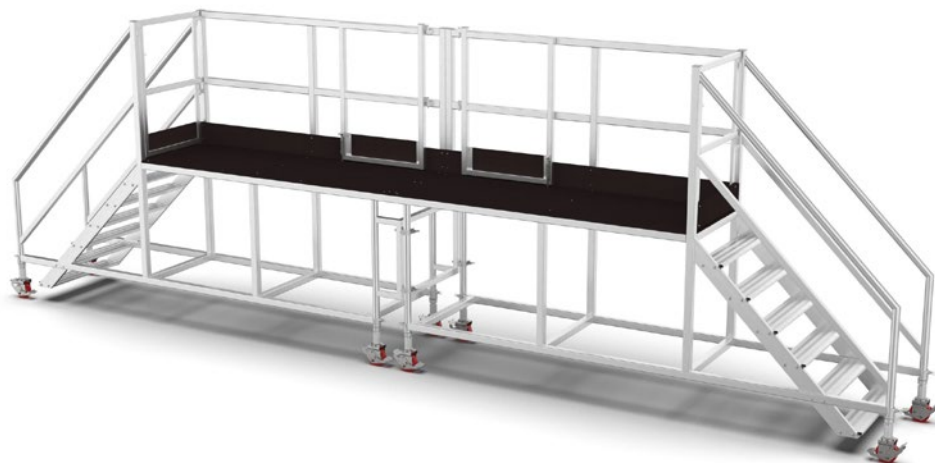
Built in the UK with high-quality materials, Alto prefabricated units ensure reliable, efficient performance in demanding rail environments.

LOCOMOTIVE MODULAR ENGINE BAY ACCESS

Designed for ad-hoc maintenance on diesel locomotives, where flexible access to engine and traction bays is needed. Units can be used individually or coupled together end-on for extended coverage. Fold-away end gates allow clear through-access.

Features:

- Adjustable legs for levelling
- Braked castor wheels
- Self-closing latched gates
- 1.0m and 0.5m compliant guardrails
- Toeboards to working platform
- Compliant stairway access
- Nominal platform height 1.2m



RAIL MAINTENANCE PIT COVER - BUFFER BEAM ACCESS

Open inspection pits in depots and maintenance facilities present a perennial fall risk as operatives move between tasks. Carrying out works on buffer beams or unit end fittings only increases the risk and potential height of a fall.

Our pit cover offers flexibility for use as a work platform, a bridge or in multiple as a pit cover.

Benefits include:

- Removable double guardrails with integrated toeboards
- Wind latches that lock into rail webs
- Choice of GRP, aluminium or ply deck material to suit application
- Corrosion resistant aluminium construction
- Custom widths available

A range of steps are also available for inspection pits and locomotive engine room walkways.



SIDE ACCESS FOR GLAZING WORKS

Exterior maintenance tasks-such as glazing unit replacement-can be complex, particularly when rolling stock is elevated for concurrent works.

Shown here is a glazing access unit providing a nominal 2m-high working platform, fully toe-boarded with space for two operatives to handle glazing panels safely, whilst working on suspended units.

The unit can be specified with:

- Fold-out latching stabilisers
- Removable guardrail sections
- Adjustable legs for levelling
- Braked castor wheels
- Sprung latching gate
- Compliant 1.0m and 0.5m guardrails
- Toeboards on all guardrailed sides
- Compliant stairway access



Designed for safety, stability, and ease of handling in demanding rail maintenance environments.

LIVERY APPLICATION

The rail industry demands rigorous safety standards, especially for working at height in operational and maintenance settings. At Alto, we focus on delivering practical, safety-driven access solutions that enhance protection without compromising productivity.

Livery application using either paint processes or vinyl overlays presents particular requirements including a large height range to be worked on with uninterrupted access and the need to ensure the treated surface is protected.

This example livery applications stand includes:

- Relocatable "hop up" box
- Taller guardrails
- Provision for paint caddy
- Fold out latching stabilisers
- Stand off bars to avoid surface damage





CAB ACCESS STAIRS

At its simplest, safe access is often required to crew doors directly from ground level - whether for operational use or routine maintenance.

Available in a range of widths, with or without height adjustment or levelling. Configurable for left-hand, right-hand, or head-on access to suit site layout and rolling stock design.



GUARDRAILED UPPER SURFACE ACCESS

Designed for safe access to upper surfaces of bogies and traction equipment or interior spaces without obstructing the equipment below with a full deck.

Available in various heights and easily dismantled for compact storage.



PUBLIC DOOR ACCESS & PROTECTION

In maintenance operations, public access doors often require regular inspection and servicing due to their complex mechanisms and multiple moving parts. This work presents a clear fall risk if not properly managed.

Alto solutions include external stairs, correctly sized platforms, and effective adjustable "baby gate" guard-railing for exposed doorways, protecting operatives during critical maintenance tasks.



MATERIALS

All our suppliers are carefully selected to ensure the highest quality materials are used for each application.

Framework

Extruded aluminium profiles, which are manufactured from 6000 series alloy, sourced from reputable UK and European mills. Our aluminium castings are also exclusively UK sourced.

Platform Decking

Options include:

- Aluminium plank Profile
- Aluminium chequer plate
- Phenolic coated exterior-grade Finnish plywood
- GRP mesh

Fixings and Metalwork

All fixings are zinc plated for corrosion resistance. Steel fabricated parts are supplied in either stainless steel, galvanised or zinc plated, depending on the specific application requirements. Stainless steel fixings can also be supplied.

STANDARDS

All products are designed and manufactured in our ISO 9001:2015 accredited facility in Redditch.

Operational design and manufacturing standards relating to our products include some or all of the following as applicable:

- EN 1991-1-4:2005 Eurocode 1: Actions on structures
- EN 1993-1-1 Eurocode 3: Design of steel structures
- EN 1995-1-1 Eurocode 5: Design of timber structures
- EN 1999-1-12 Eurocode 9: Design of aluminium structures
- EN 131-2: Ladders Requirements, testing, marking
- EN 12811 Temporary works equipment
- EN 1004 parts 1 & 2: Mobile Access and Working Towers
- BS 1339-6: Towers scaffolds outside the scope of EN 1004
- ISO14122 parts 1-3: Permanent Means of Access to Machinery

CASE STUDIES

BESPOKE ALTO STAIRWELL-PRO FOR CHARING CROSS



Working with tier one contractors to Transport for London, Alto supplied a customised Stairwell-Pro system to support ceiling panel removal within the escalator tunnel at Charing Cross station.

The bespoke unit was engineered to span two escalators and a central stair, adapting to complex level changes while providing a safe, stable platform in a restricted space. The result: secure footing, rapid deployment, and reliable access performance—proving the adaptability of Stairwell-Pro in live transport environments.

SAFE ROOF ACCESS FOR CLASS 66 LOCOMOTIVES



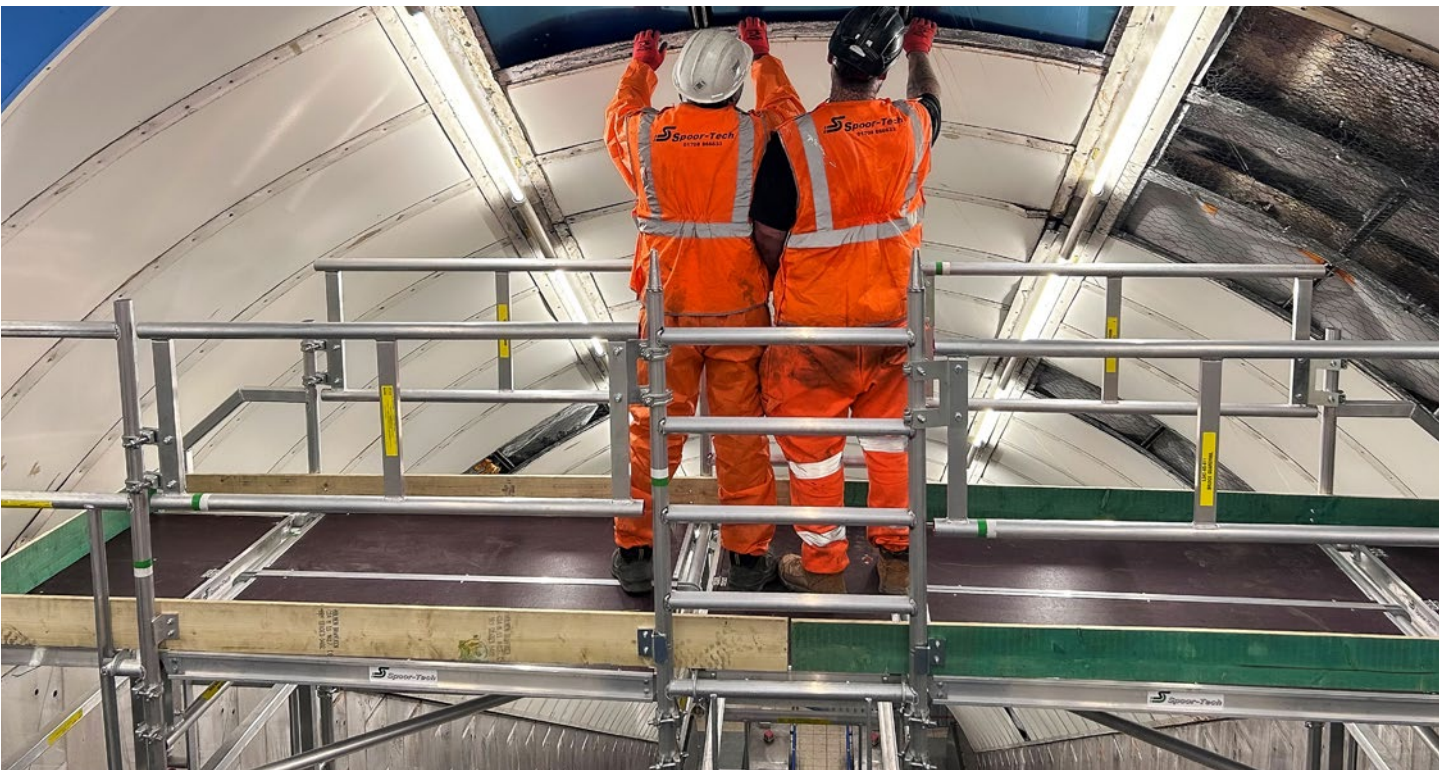
Alto developed a free-standing, demountable access system enabling safe silencer removal on Class 66 locomotives. Featuring stair access, roof-profiled guardrails, and drop-down bridging panels, the modular solution ensured safety, stability, and rapid deployment. A later upgrade added windscreen and horn box access, expanding the system's functionality for front-end maintenance.

FLEXIBLE ENGINE BAY ACCESS



Working with the Severn Valley Railway TMD team, Alto developed a pair of handed stands that can be used individually or coupled to provide flexible protection for operatives working in diesel engine bays across a wide range of locomotive types.

Seen here in use with the Vanguard Hydro Shunter, the solution has since been adopted by many other operators, maximising protection & utilisation in diesel traction maintenance facilities.





ALTO ACCESS PRODUCTS

Alto Access Products have been the market leader in strength and capability for almost 40 years. No other product comes close to the speed, flexibility and versatility found when using the Alto system.

Get in touch today to learn more about how the Alto system can be used to keep you and your colleagues safe whilst working at height.

**THE
HEIGHT OF
SAFETY**

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