



alto  
tower systems



# About Alto Towers...

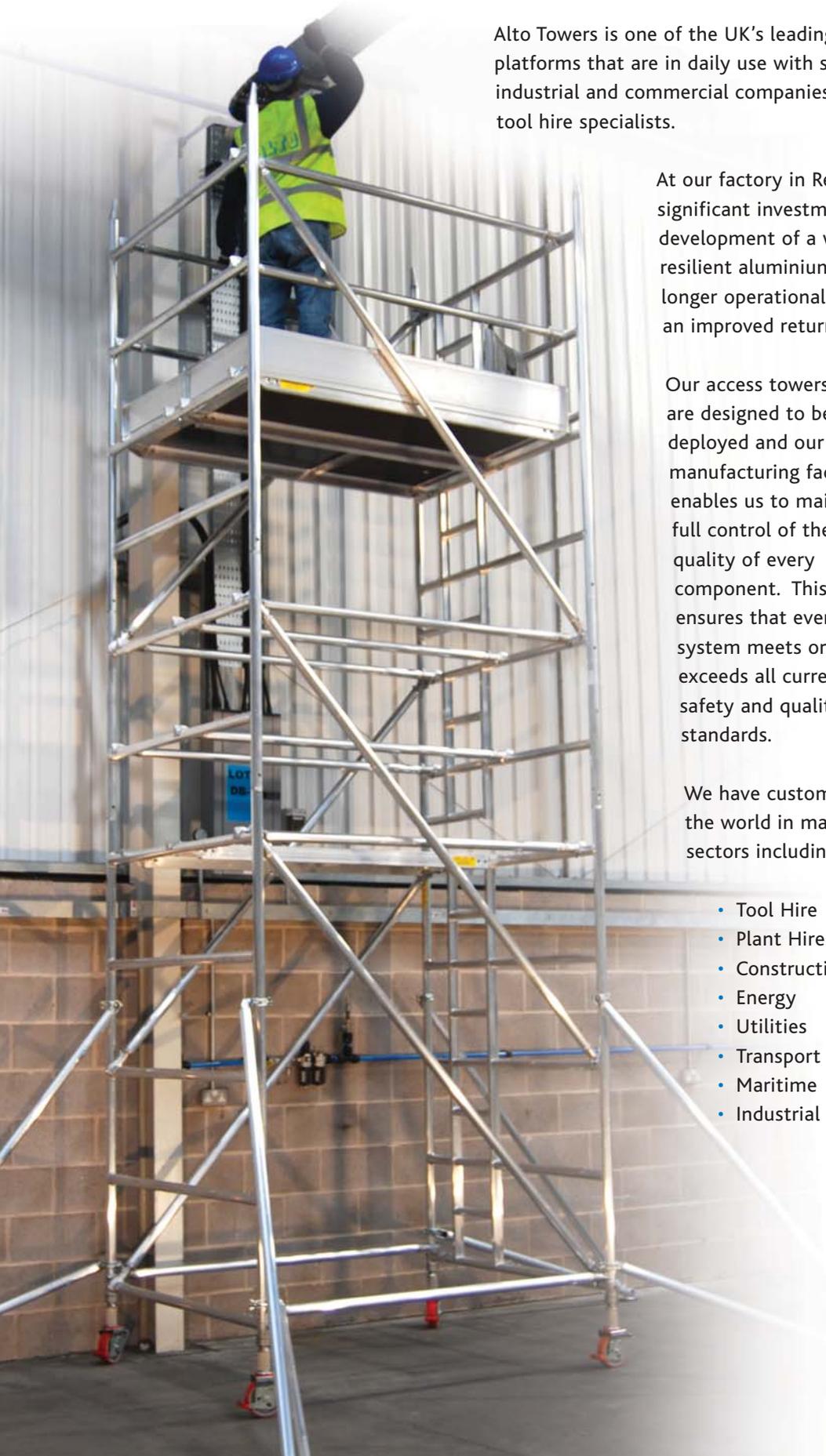
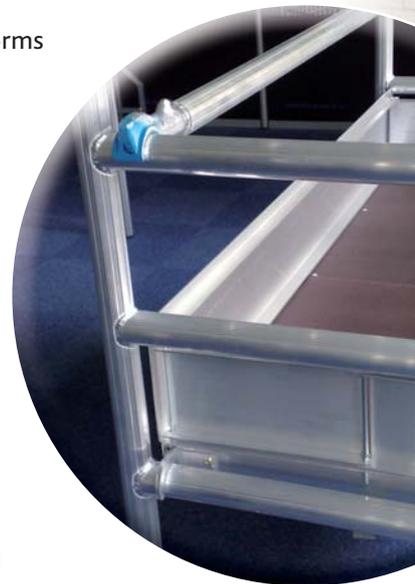
Alto Towers is one of the UK's leading suppliers of access towers and platforms that are in daily use with some of the world's leading industrial and commercial companies as well as leading plant and tool hire specialists.

At our factory in Redditch, England, we have made significant investments in the ongoing research and development of a wide range of innovative and resilient aluminium access solutions that deliver a longer operational life, low cost of ownership and an improved return on investment.

Our access towers and platforms are designed to be rapidly deployed and our in-house manufacturing facility enables us to maintain full control of the quality of every component. This ensures that every system meets or exceeds all current safety and quality standards.

We have customers around the world in many market sectors including:

- Tool Hire
- Plant Hire
- Construction
- Energy
- Utilities
- Transport
- Maritime
- Industrial



# Access All Areas

Alto Towers designs and manufactures a complete range of access solutions to meet the requirements of every application or budget.

We offer a choice of heavy or medium duty access towers and platforms that provide industry leading levels of strength, rigidity and resilience and deliver an extended operational life and greater return on investment in a wide range of commercial and industrial applications.

Our low level systems meet the requirements for working safely at heights below two metres with fully guarded platforms and raked steps with non-slip grips. The range includes Mobile Step Towers, Industrial Pulpits and Room Scaffold Systems, all of which fold up for easy storage and transport. We also provide Stairwell Towers for domestic or commercial applications with walk through frames enabling the safe use of stairways in an emergency.

## Rapid Deployment

Our access towers and platforms offer a range of innovative features including a unique conical head fitting that maintains strength and rigidity and ensures rapid erection and dismantling without jamming.

All Alto bracing systems feature plated, spring-loaded pins with Nyloc retention nuts that can be quickly fitted into the correct position with just a single action in any environment. Colour coded braces are included with the Medium Duty Tower, Room Scaffold and Stairwell Tower. Specific colour coded braces can be supplied for the Industrial Tower when required. Captive adjustable legs enable the systems to be deployed safely and securely on uneven terrain and all platforms have locking systems to prevent movement in windy conditions.

The robust and reliable corrosion-resistant aluminium structures are light, easy to handle and can be safely stored outside regardless of weather conditions.



# Safety

Tower and access platforms supplied by Alto are manufactured under ISO 9001 quality procedures and meet all 'Working at Height' and Health & Safety regulations. Widely recognised as being the safest systems available, they also have the industry's highest total tower loading ratings, which exceed the standards required by current legislation.

All horizontal rails feature an anti-slip surface and the platforms feature double guardrails, rest platforms every two metres and non-slip phenolic coated decking. Variable geometry fixed stabilisers ensure a rigid and stable structure on any surface whether used horizontally or vertically.

As well as providing a safer working environment at height, Alto provides the highest levels of safety for personnel working at ground level through use of innovative, one piece aluminium toeboards that unfold in seconds to protect against tools or equipment being accidentally knocked off the platform.



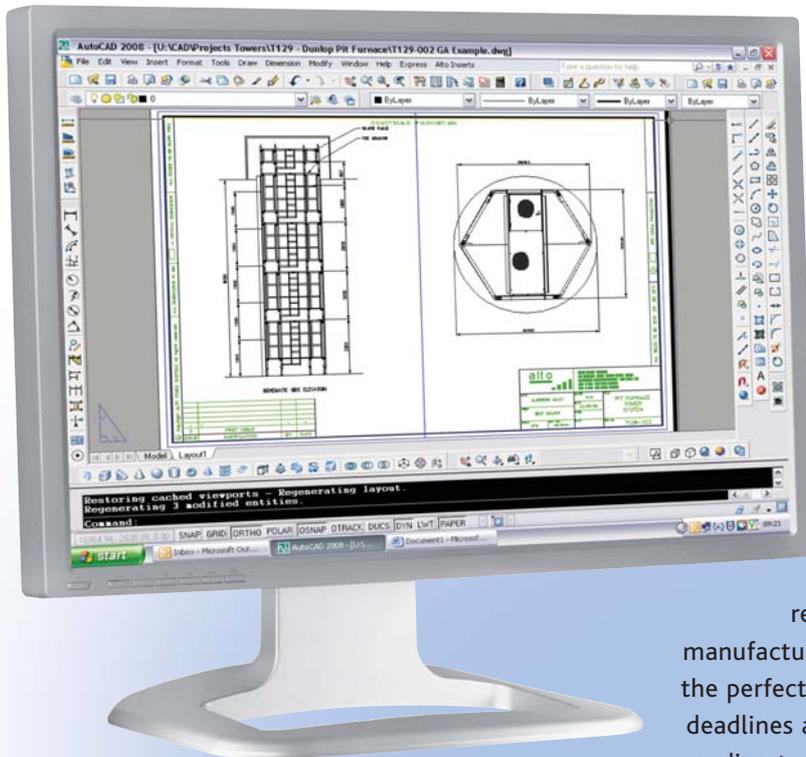
# Construction

Our access towers and platforms are constructed using non-magnetic 2 or 3mm aluminium drawn seamless tube extrusions that deliver greater strength and rigidity. All loadbearing components, including braces, horizontal rails and conical head fittings, are fully overlapped welded for class leading stability and resilience enabling higher tower loadings to be safely achieved. They also offer greater resistance to damage under normal working conditions.

All aluminium access towers and platforms are fully recyclable and retain a significant residual value at the end of their product life.



## Bespoke Access Solutions



Alto Towers can design bespoke access solutions to meet specific customer requirements from concept to reality. We have provided cost-effective solutions for diverse applications ranging from railway maintenance, loading bays, container loading decks, staircases for use in the construction of wood framed housing and aluminium scaffold boards for use in hazardous areas where fireproof solutions are necessary. We have also supplied a new starter's rostrum and winner's podium to Aintree, home of the Grand National.

After confirming precise client requirements, our design team and in-house manufacturing operation work in partnership to deliver the perfect solution. We can respond to the shortest deadlines as we control the whole process without needing to subcontract.

# Specifications...

	Heavy Duty	Medium Duty	Mobile Step Tower	Stairwell Tower	Industrial Pulpit	Room Scaffold
Length Ladderspan Stair Ladder	1.8m & 2.7m 1.8m	1.6m & 2.4m	a/ 1.105m b/ 1.525m c/ 1.955m	1.2m	1.1m	(overall) Folded – 0.28m In Use – 1.7m Platform – 1.6m - 2.4m
Width Ladderspan Stair Ladder	Single - 0.8m Double - 1.4m Treble - 2.1m Quituple – 3.05m 1.4 m	0.8m & 1.38m	0.72m	0.7m	0.65m	7.4m
Max Height Freestanding Outdoors Freestanding Indoors Tied In	8m 12m 30m +	8m 12m 30m +	Top Platform Height 1m 1.5m 2m	6m 20m +	Platform Height 1st Rung – 0.25m 2nd Rung – 0.50m 3rd Rung – 0.75m 4th Rung – 1.0m	Overall Height 1.78m
Platform Loading	2kn/m2 (40lb/sq') 1.8m – 212kg 2.7 – 324kg	2kn/m2 (40lb/sq') 1.6m – 186kg 2.4m – 282kg	120kg	130kg	120kg	2kn/m2 (40lb/sq')
Max Tower Loading Castors Base Plates	Refer to notes in erection manual 2500kg 3000kg	Refer to notes in erection manual 2000kg	120kg	750kg	120kg	1.6m – 186kg 2.4m – 282kg
Toe Boards	One Piece folding aluminium	One Piece folding aluminium	n/a	One Piece folding aluminium	n/a	One Piece folding aluminium
Stabilisation	Variable Geometry Fixed Stabilisation	Variable Geometry Fixed Stabilisation	1.0m – Optional 1.5m – Optional 2.0m - Essential	Variable Geometry Fixed Stabilisation	Optional – but essential if pulpit used on booster frame	Variable Geometry Fixed Stabilisation
Max No. Working Levels	Stair Ladder – 6 Ladderspan: Single Width – 5 Double Width - 4	Ladderspan: Single Width – 3 Double Width - 3	1.0m – 2 1.5m – 3 2.0m - 4	3	4 (plus 1 short duration platform)	0.41m 0.66m *0.91m *1.16m *1.41m *1.66m * Must use extension frames and braces as guardrails

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