

**Service One Access, Inc.**  
Innovative Access Solutions



# **INSTANT UPRIGHT**

special applications catalogue

endless possibilities...





# INSTANT UPRIGHT

special applications catalogue

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App available for  
download now...



Due to local regulations not all products are available in all countries.  
For further information please refer to your local Instant UpRight dealer.



# Welcome to **INSTANT UPRIGHT**

## who are we?

We are one of the world's leading designers and manufacturers of Specialised Aluminium Access Structures. In 1947 we pioneered the first ever height-adjustable aluminium mobile tower, and introduced to the market the 'cold-formed' Rib-Grip Joint (a high-strength jointing process to replace more traditional welding).

For more than sixty years we have dedicated this company and it's people to the design and manufacture of innovative solutions which provide a safe and efficient environment for working at height.

Today we have manufacturing plants in Europe and Asia, and remain to the forefront of aluminium tower system innovation and specialised access solutions. We export our products and services globally through our international network of dealers, and also directly to customers in countries without an established dealer.

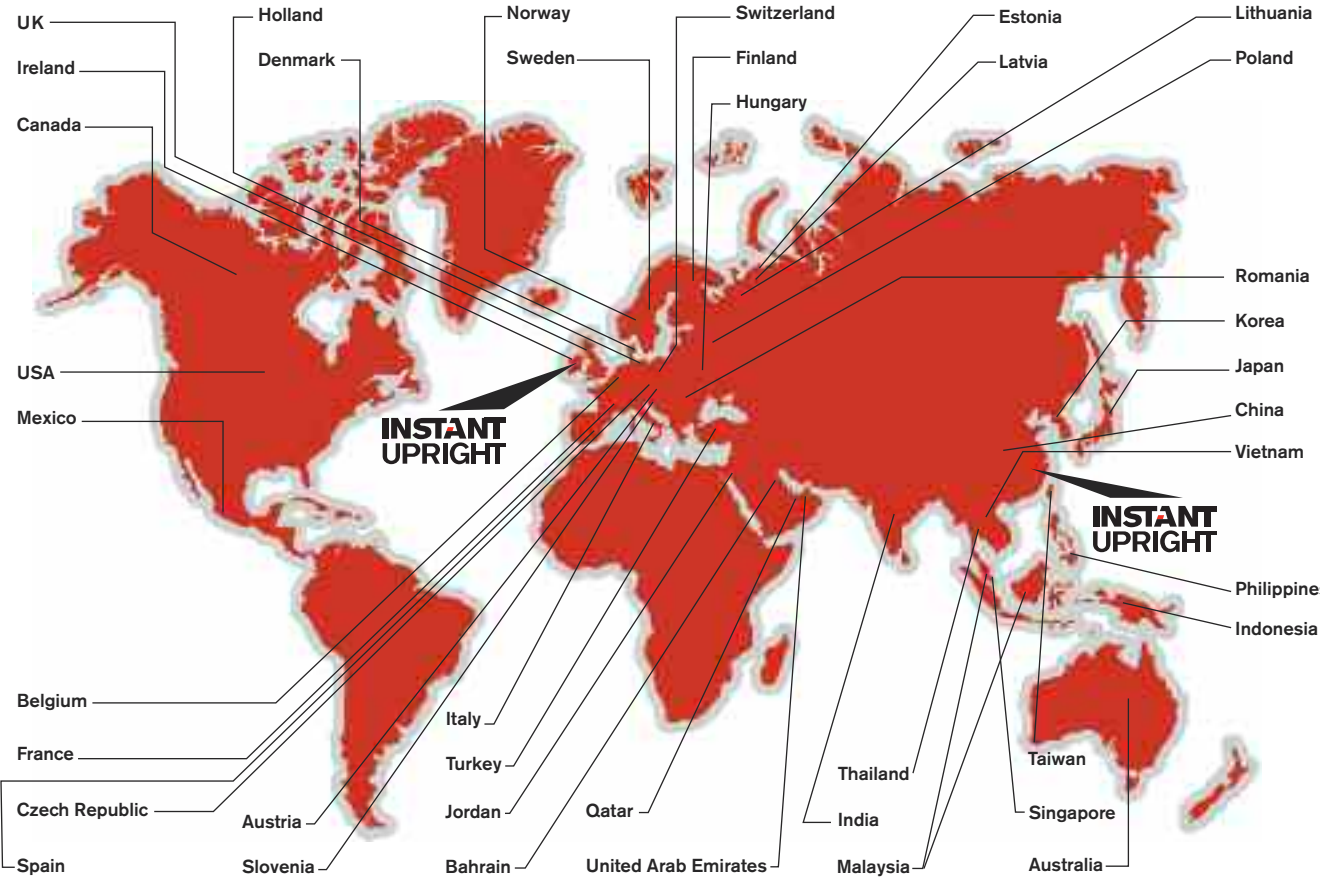


## advanced access solutions

We design, manufacture and commission a wide range of Specialised Structures:

- **Mobile High-Level Stages**
- **Spandek Walkways**
- **High Towers**
- **Quick-Erect Boiler Scaffolds**
- **Train/Bus Access Scaffolds**
- **Special Bridge Scaffolds**
- **Aircraft Access Stands**
- **Facade Scaffolds**
- **Guyed Towers**
- **Forest Towers with Walkways**
- **...and many more**

**international dealer network**



*Instant UpRight Headquarters and Manufacturing Plant, Dublin, Ireland.*



*Instant UpRight International Manufacturing Plant, Guangzhou, China.*



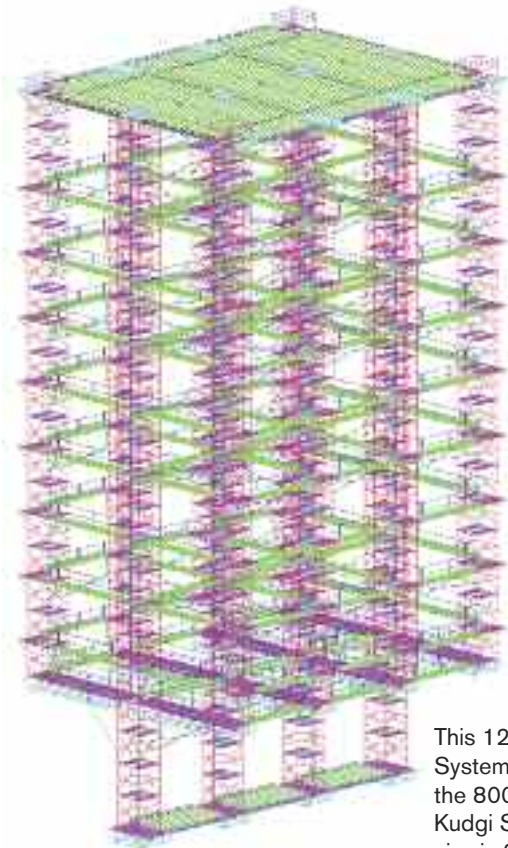


# boiler applications

**A unique design, the Instant UpRight 'Quick-Erect' Boiler Scaffold System provides the ultimate fast-assembly solution for boiler maintenance. Constructed from high-strength but lightweight aluminium, this scaffold system is typically 80% lighter than a steel system and 3 times faster to erect. With fewer components to handle, downtime, labour and transport costs are significantly reduced.**

The Quick-Erect Boiler Scaffold is designed to be erected 3 times faster than a steel scaffold. Instant UpRight has supplied to over 100 Power Plants around the world, replacing traditional steel scaffold systems. Typically, lost revenue per boiler is approximately \$120,000 per 100MW per day! Please let us explain to you how much time and money we can save for you!

## Boiler Scaffold Main Structure



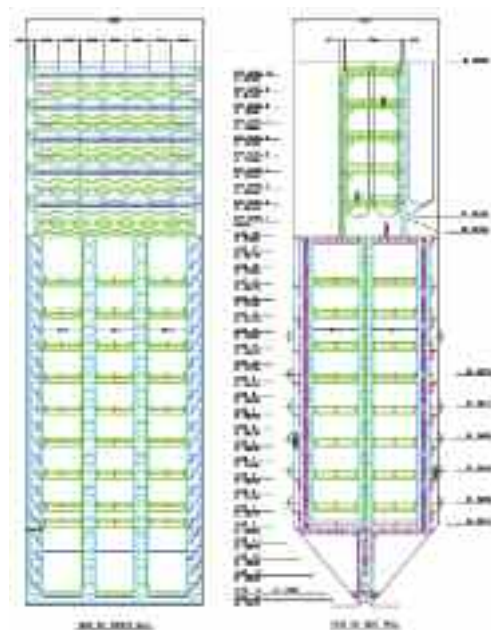
This 12-tower Quick-Erect System was installed inside the 800MW boiler at NTPC Kudgi STPP in India. Boiler size is 23.5m wide x 19.5m deep x 72m high.



Classroom training during the commissioning of a Quick-Erect Boiler Scaffold at SEC in Saudi Arabia in 2014



Folded one-piece Snap-Out units pass through a small manhole and expand into rigid and fully-braced 2m cubic tower modules in seconds!



## From design to installation

### Dedicated Design Solutions

Each system is designed to provide optimum access at minimum cost, using standard components wherever possible. Our team of design engineers will work with you to provide full site surveys, on-site training and technical guidance throughout the project.

### Restricted Manhole Access

When folded, a Snap-Out unit is compact enough to pass through an opening of just 36cm diameter. If a man can pass through, Snap-Out can too!

Snap-Out units are compact and easy to handle, weighing just 48kg.

### Snap-Out Quick-Erect Towers

Each Snap-Out unit expands within seconds into a rigid and fully-braced 2m cubic tower module, interlocking securely to the module below. Ladders and platforms fit easily into place on every module to provide convenient access at all levels.

### Quick-Install Base Structure

The Base Structure is quick and easy to install, requiring no tools. It is designed to sit securely into the V hopper, providing a rigid foundation for the main boiler scaffold structure.

### Spandeck Lightweight Platforms

Spandeck is a lightweight aluminium bridging system which provides a safe work-platform between Snap-Out towers. It may be repositioned easily at 1m height intervals to provide complete access to all areas of the boiler.

### No Tools Required

The Quick-Erect Boiler Scaffold System requires no tools or welding during installation. Snap-Out tower modules interlock securely together, and the structural truss beams feature a secure quick-connect coupling system.



Each Snap-Out unit is a folding one-piece tower module, weighing just 48kg.



A folded Snap-Out will fit through a 36cm diameter opening. If a man can pass through, Snap-Out can too!



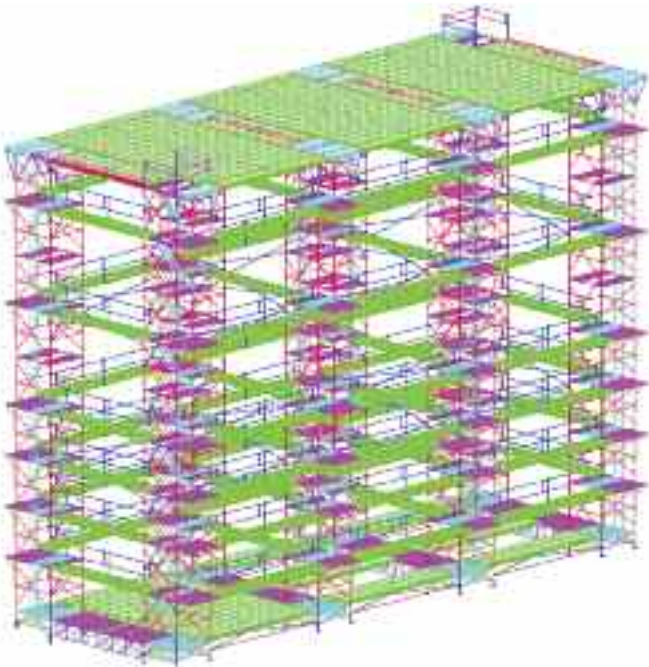
Once inside the boiler, each Snap-Out unit expands in seconds to provide a fully-braced 2m cubic tower module. Ladders and platforms are quickly fitted before adding the next Snap-Out module.



Partial view of the main tower structure at Manjung.



Quick-Erect Boiler Scaffold System at Manjung, Malaysia. View looking from the bottom of the hopper showing the outer support trusses and main tower structure. The boiler scaffold for this 660MW unit was commissioned in 2007.



This 8-Tower Quick-Erect Boiler Scaffold was erected in 2014 in KSA in just 18 hours, compared with 54 hours using a traditional steel scaffold! Including rapid dismantling, the total reduction in downtime for this outage was 5 days.

We have clients in many countries Worldwide:

- **Australia**
  - **Brazil**
  - **China**
  - **Germany**
  - **India**
  - **Korea**
  - **Malaysia**
  - **Philippines**
  - **Taiwan**
  - **Saudi Arabia**
  - **South Africa**
- plus many more...**

Please ask for testimonials received from our very happy clients!



#### **Snap-Out Scaffold**

One-piece tower modules which fold to fit through small manholes for work inside tanks, boilers and other enclosed vessels with size-restricted access. Widely used in Chemical Plants, Refineries, Power Plants, Paper Mills and Breweries.



# aviation applications

**Our Design Team has over 60 years experience in the design and manufacture of Aircraft Docking Systems. Engineering support is maintained throughout the life of the project from concept, product specification and design, through to installation and after sales service, with a strong focus on quality and safety**

Our Design Engineers use the latest 3D modeling software to develop prototype designs at an early stage of the project, prior to design approval, final design and manufacture.

The most successful aircraft maintenance operations around the world recognise the benefits of using Instant UpRight Docking Systems. Significant efficiency gains are achieved with no additional operatives. Please let us explain how!

**Our clients include:**

- Aer Lingus
- Bombardier
- Boeing Aircraft Corporation
- British Aerospace
- British Airways
- Delta Airlines
- Emirates
- Kuwait Airways
- Malaysia Airlines
- Olympic Air
- SRS Aviation Services
- Shannon Aerospace
- Thai Airways International
- U.S. Air Force/Ministry of Defence
- AVIC, Xi'an Aircraft Manufacturing Corporation Company

**KC135 Wrap Around System**



**C130 Wrap Around System**



Concept to Reality



This A320 Tail Dock combines a steel base with an aluminium superstructure



Concept to Reality



**KC135 Wrap Around System**



Concept to Reality







Rotor Access Stand with cantilever for military CH-46 Sea Knight Helicopter



Rotor Access Stand with cantilever for commercial CH-46 Sea Knight Helicopter

A380 Nose Dock



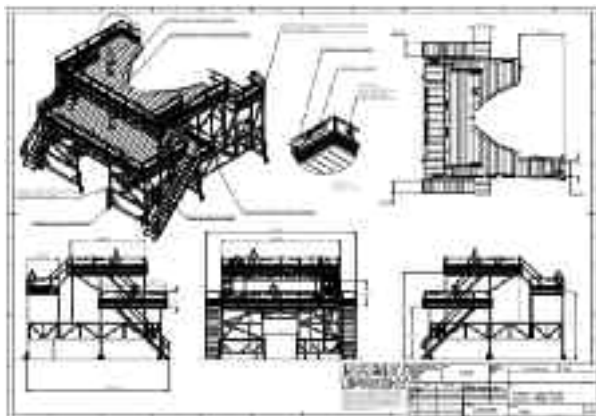
### Full Docking System for Boeing 767



### Concept to Reality



Below is an example of the design process involved during the quotation stage, from 2D drawings to full 3D model designs for an A380 Nose Dock. Our design engineers will work with you from the concept stage right through to on-site commissioning, with back-up support throughout the life of the project.





# bridges and walkways

**Instant UpRight Bridges and Walkways feature the unique Spandeck Aluminium Bridging Platform. Spandeck is available in a range of lengths up to 9m, and can also be manufactured to suit a client's specific length requirements.**

Spandecks may also be combined side by side to create large deck areas, or end to end for longer walkways.

We offer a full quotation support service, including proposal drawings and site surveys. Installation supervision is also part of the quotation package.

Designing your own bridge or walkway is also an option. Simply contact us for a copy of the Instant UpRight Walkway component list which gives full details of the available modules and fixing methods. Identify the items to suit your location and contact us for price.



## Design your own special with Instant Build Kit



The on-line tool that enables you to generate your own drawing and specification sheet.

For easy access to Instant Build kit, go to [www.instantupright.com](http://www.instantupright.com) and enter your log-in details.



Concept to Reality



Metro station mobile bridge in Paris, France

Designed and built for the Hoga Kusten Bridge in Sweden. Rolling along 200m above the fjords.



Concept to Reality





**Construction**

Spandeck Bridges and Walkways are manufactured using lightweight yet tough and durable aluminium alloy, making for easy handling and reducing the need for costly craneage.

The self draining anti-slip deck incorporates integral 150mm toeboards and has handrail posts every 2m on both sides.

Corrosion resistant mill finish aluminium as standard.

**Installation**

Thanks to a minimum number of separate components, installation is quick and simple, with only a few hand tools required. Walkways can be mounted in a variety of ways, including:

- **Suspended**
- **Wall bracket mounted**
- **Purlin and truss mounted**
- **Track mounted**
- **Standing seam roofing clips**



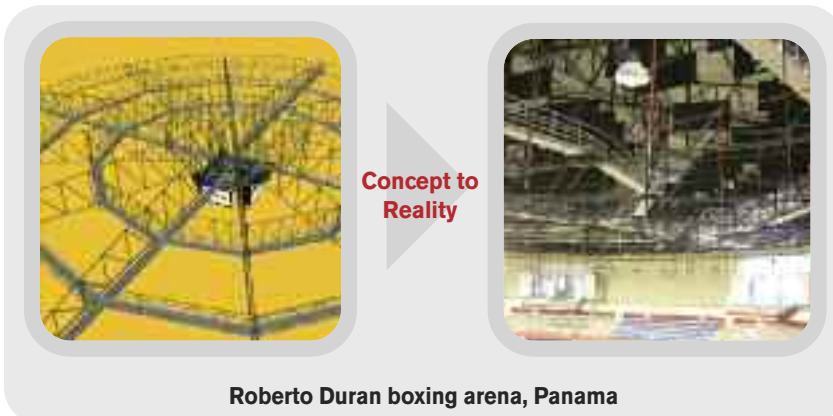
90-Degree Corner and T-Junction Spandeck sections are standard options, with step units available to accommodate deck level changes or obstructions. Many distributors offer an installation service or on-site training.



Lightweight Double-Width Spandeck Walkway over roof of old building provides safe access to essential services.



Split-level Spandeck Walkway provides Fire Safety Access on old building.



Roberto Duran boxing arena, Panama



Modular, lightweight and easy to transport.



# high towers

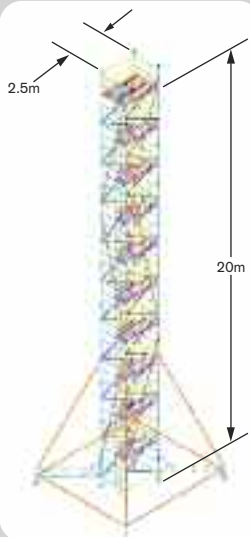
**Instant UpRight has over 60 years experience of providing towers for use in some of the most extreme conditions worldwide, from equatorial rain forests to the Antarctic.**

Our High Towers can be either free-standing and mobile or permanently guyed.

Our team of design engineers will provide a practical solution for your specific access requirement. The stairway tower below was designed to reach a 22m high atrium roof in a large hotel



Guyed Tower for scientific research in Antarctica.



Concept to Reality



Test build of a 20m free-standing mobile tower at the Instant UpRight factory in Dublin, Ireland.



High tower with cantilever at a swimming club in China.

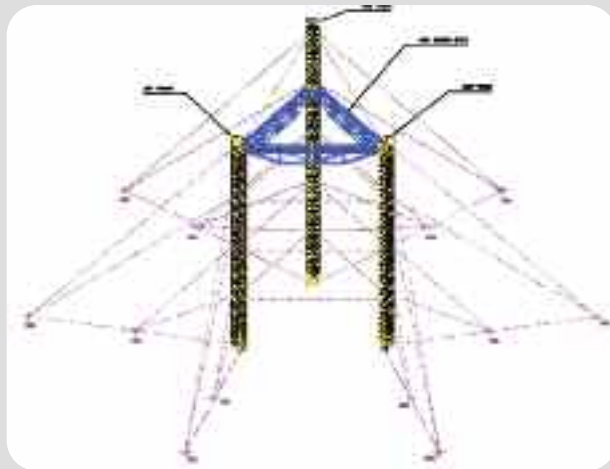
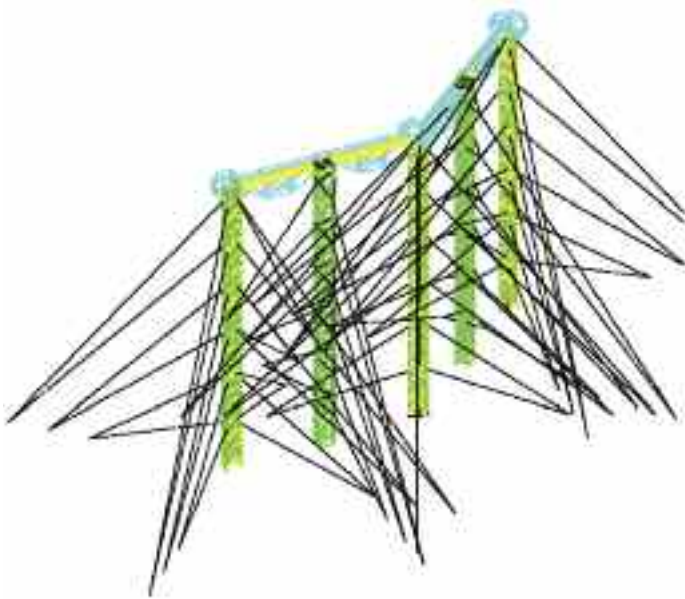


High Towers provide floor-to-ceiling access in large buildings.



One of our many Rainforest Canopy Walkways is located on the island of Borneo. Tower heights range from 25m to 50m, with four connecting Spandeck bridges at heights from 23m to 46m (bridge lengths range from 11m to 23m).

This walkway system was installed in 1994. A full inspection by Instant UpRight in 2013 found the system in excellent condition, and in continuous use for scientific observations (these photos were taken during the 2013 inspection).



The Pasoh tropical rainforest in Malaysia is one of the most studied in the world. The Instant UpRight Canopy Walkway System allows visitors to view the beautiful surroundings from a height of 40m, and more importantly provides facilities for microclimate and physiological observations at various heights, from ground level right up through the forest canopy.



# advanced custom-designed access structures

**Instant UpRight is the leading provider of advanced access solutions.**

Our custom access solutions are extremely versatile, and can open up opportunities for safe access in all types of industrial applications. Please ask us to help **YOU** find a solution to your access problems.



Edge Protection system for roofs. Supplied to Aggreko to fit 20ft containers housing generators in UAE and elsewhere across the globe.



Special Rolling Bridge for Metro Station roof maintenance.



7.2m x 5m x 5m rolling stage in Abu Dhabi Midfield Terminal Airport.



Standard tower components reconfigured for Wind Tunnel access.



Aluminium Façade Scaffold - Park Avenue Hotel, Belfast.



Pool Bridge Scaffold and Cantilever Towers at the mosque in the Kuala Lumpur Federal Government Building, Malaysia.



The Instant UpRight Design Engineering Team are experts in the development of innovative solutions to your access problems. Designs combine custom-made components with items from our standard product range, to provide the most cost-effective scaffold structure for your needs.

Engineering support is maintained throughout the life of the project from design to installation, with on-site consultations to ensure that specification meets application. Our dedicated focus on New Product Development, and continuing investment in production process innovation have enabled Instant UpRight to stay ahead of customer expectations.

**Contacts & Service Commitment**  
General Enquiries & Technical Support  
[techsupport@instantupright.com](mailto:techsupport@instantupright.com)

### Service Commitment

#### Technical Enquiries:

Initial response within 4 hours to any enquiry received via the techsupport address above. We offer a 'Shared Design' facility with an extensive library of specialised and custom designs.



Full wrap-around access to ancient pagoda in Korea.



Roof access in TV studio.



Cantilever Workstand at Gurney Plaza Mall (Penang, Malaysia).



Cantilever Workstand in a modern art gallery.



Access Steps for a Siemens Wind Turbine Nacelle (Belfast, Ireland).



Concept design for Siemens Wind Turbine Rotor Blade access (Belfast, Ireland).





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For safe use and assembly please refer to manufacturer's assembly guide. Specifications are subject to change without notice. The photographs in this brochure are for promotional purposes only.

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