



**Adastra Access Ltd**  
Mastclimbing Work Platform Solutions



Mastclimbing Work Platforms, Cradles & Specialist Access  
Contract Hire Solutions

Nationwide Contract Hire and Sales Service



# Adastra Access Ltd

## Nationwide Hire and Sales Service

Adastra Access Ltd are a specialist access company providing mastclimbing platforms across the whole of the UK. The main depot is centrally placed in Walsall, also we have depots in Glasgow and Washington (Tyne and Wear). We employ teams of installers strategically based across the country and we have squads based in Glasgow, Newcastle, Manchester, Liverpool and London.

Adastra Access have been involved in many contracts requiring innovative solutions and have a deserved reputation for providing the right solution and reliable efficient delivery. We have a proven record of working closely with clients.

### Customer Focus

The prime aim of Adastra Access is to ensure that the customer receives what he has asked for. We are continually focusing on future customer needs, market trends and new technologies.

Full consideration is given to Health and Safety conformance of products and services to the customer.

### Leadership

The success of an organisation depends on the leadership. Adastra Access create an environment in which people can contribute to the company's benefit.

### Continual Improvement

Adastra Access pro-actively seek opportunities to improve the company's performance by internal audit, management reviews, analysis of data, etc. Continual improvement is more than just correcting mistakes it is a way of working.

### People Involvement

Adastra Access value the people who work for them, they are the people who deliver our services and are valued and encouraged to improve themselves, and thus improve their contribution to the business.

### Process Approach

We continuously monitor the processes in our delivery in a way which allows them to be measured and managed in order that we can provide real value and improve our services to our customers.

### Mutually Beneficial Supplier Relationship

Adastra Access value supplier partnerships rather than a relationship which can stand or fall because of market/price fluctuations etc.

Suppliers can contribute innovative ideas to a Client and it is obviously beneficial to all concerned if such partnerships are connected together with long-term agreements.



# The benefits of Adastra Access Ltd

## Experience

As an established mast climbing platform and suspended access company with years of experience in the industry we have been involved in many complex and challenging projects across the UK.

We have built a team of some of the most experienced managers, engineers, trainers and installers. Many of which have been involved in the mast climbing industry since its inception in the UK.

## Design and Engineering

Adastra Access have their own 'in house' design and engineering department with over 30 years experience in the industry. The design team are dedicated to ensuring the most beneficial solution to our customers access requirements.

## Training Centre

Adastra Access are an IPAF approved training centre which enables the correct training to be provided to ensure that the customer gets the best use out of the equipment.

## Equipment

The Adastra Access fleet range from light weight mast climbers to the heavy duty platform enabling us to cater for all requirements.

We have made significant investment in our fleet 95% of which is recent and the other 5% refurbished to the highest of standards so we can guarantee that all the equipment is in a good and reliable condition.

## Maintenance

After every contract the equipment is fully serviced by our service engineers. We believe in comprehensive servicing as it is far more efficient to all concerned to do the work in the depot than attend to breakdowns on site.

## Specialised Access

Adastra Access provide innovative solutions to complex access problems. We can provide suspended access solutions from basic cradles to more sophisticated suspended access structures.

## Why is it more cost efficient to hire a mast climbing work platform?

- > Rapid erect and dismantle times (24m x 30m high typically 3 days)
- > Fewer components – less risk of accidents during erect / dismantle
- > Increased safety as all work is carried out at correct height from a fully fenced platform
- > Increased productivity – no time lost climbing ladders
- > Fewer deliveries compared to scaffolding hence saving in site management and logistics time
- > Fewer tie points to be made good compared to scaffold
- > Saving on hoist as materials can be raised by platform
- > Less damage to fabric of building and to equipment as they do not have to be manhandled through scaffold
- > Reduced manual Handling Platform can be raised to the exact height for the most efficient ergonomic working



# Adastra Access Ltd Projects

## Mastclimbing Work Platforms

### Southampton Hospital

The Project was to provide access from low level roofs to a high rise building in a busy city location without disrupting the office workers.

#### Project Challenges

- > All equipment to be loaded onto low level roofs
- > Limited loadings on low level roofs
- > Adjoining buildings on 3 sides restricted access
- > Bus lanes meant only crane site 20m away
- > Only Ties positions underside of slab inside the building
- > Glass section floor to ceiling to be removed to fix tie
- > For security reasons certain floors could not be used

#### Project Operation

The design team overcame the limitations of the available tie positions and successfully spread the loads over the roofs.

The installation team worked long and demanding weekends liaising closely with the client and residents in this busy city location. The installation team managed the road closures, crane set up and deliveries.

This was a particularly demanding project due to time and access limitations and several security alerts. The Installation team are to be commended for their positive attitude and determination to achieve programme irrespective of obstacles.



### Southmead Hospital - Bristol

The Project was to provide mast climber platform access to the residential block progressively, as the concrete structure completes, for the first, second and final fix of the cladding.

#### Project Challenges

- > The building was egg shaped on plan
- > All the equipment had to be craned to podium level
- > Very Limited storage
- > 4 of the positions could not be erected from podium
- > Profile of the building would change 3 times over the construction

#### Project Operation

The design and engineering requirement was particularly exacting to cope with the curve of the building.

The front extensions on the platforms were designed to be altered 3 times as the profile of the building extended out as each stage was completed.

Scaffold cantilevers were designed and erected to carry 4 of the mast climber platforms.

Adastra Access worked very closely with the client to programme the work. Due to the restricted access and limited storage out of hours working and military precision was required to co-ordinate the deliveries – road closures and crane set up.



# Adastra Access Ltd Projects

## Mastclimbing Work Platforms

### Dixon Poon China Centre - Oxford

The project was to provide high level access to a multi level building for progressive construction and following trades – cladding –glazing etc.

#### Project Challenges

- > Mast climbers uneconomic due to extended down periods between operations
- > Balconies to be fixed to structure
- > Limited tie positions

The mast climbers and ties were designed so that they could be craned quickly from position to position and back again as required.

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### Eagle House City Road - London

The project was to provide safe access for each phase of the progressive construction of 18 pairs of support piers to the A249 Swale Bypass crossing onto the Isle of Sheppy.

#### Project Challenges

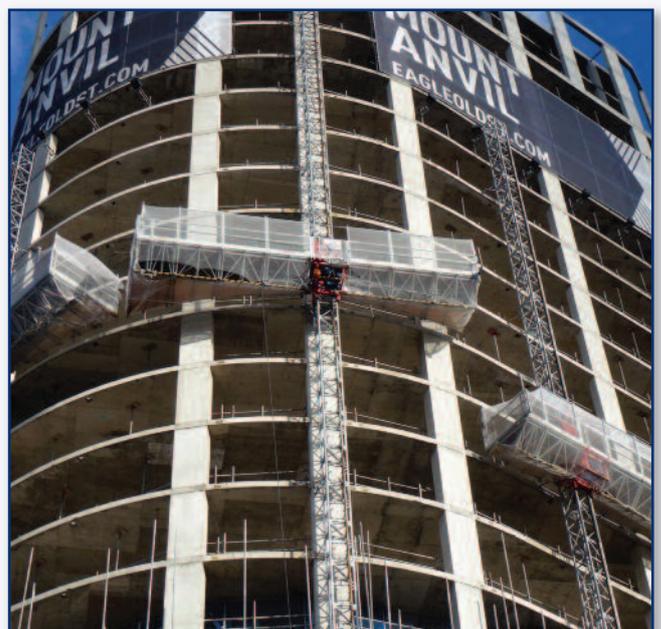
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#### Project Operation

Adastra Access worked closely with the client to maximise the efficiency of the moves adapting as necessary to the inevitable changes in programme.

The platforms were used to install exterior wall board, windows and brick cladding. Co-ordinated dismantle of the platforms allowed the installation of pre-fabricated balconies.

Working closely with the client the project was completed in record time with significant savings on the programme and estimated scaffold access cost.



# Adastra Access Ltd Projects

## Mastclimbing Work Platforms

### Loampitt Vale - Lewisham

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# Adastra Access Ltd

## Specialist & Suspended Access Solutions

### Facades & High Rise Buildings

Cradle acces can be quickly and efficiently installed and moved from position to position within a matter of hours.

Tiers to the structure are not required so intergral systems can be installed effectively without any remedial work when the cradle is removed.

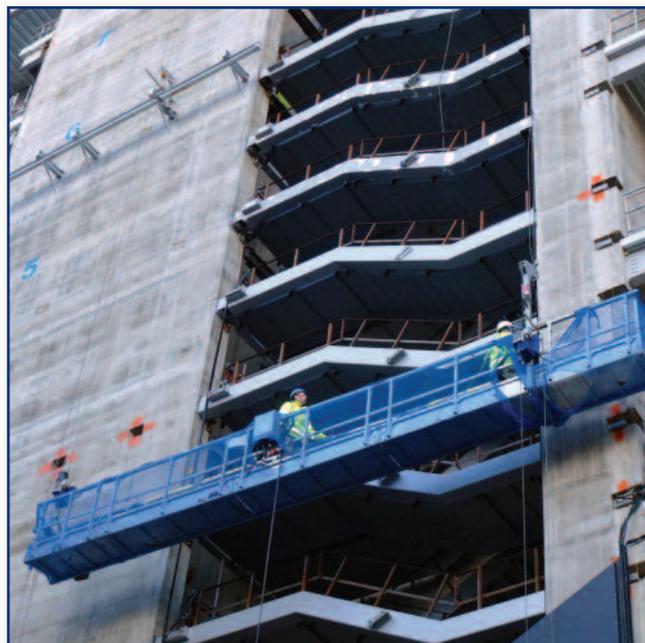
Two tier systems are frequently provided giving access to different levels at the same time.



### Independent Mono-Rail Systems

Using independent mono-rail systems in conjunction with cradles means large, heavy panels can be easily and quickly installed.

Bespoke guidance an protective systems can be used to stabilise and control the panels into position, even in adverse weather conditions.



### Industrial Applications

Specialised mobile systems can be developed for access to industrial structures using vessel and pipe racks to carry out inspections an remedial work.

The modular nature of the systemss allow easy transportation through small hatches and narrow passage ways.

Access can be provided quickly and efficiently to both inside and outside of chimneys, storage tanks and many other structures.

Suspended access has been successfully used in wind turbine maintenance, petro-chemical and gas industries on nuclear facilities and oil rig installaions.



# Adastra Access Ltd

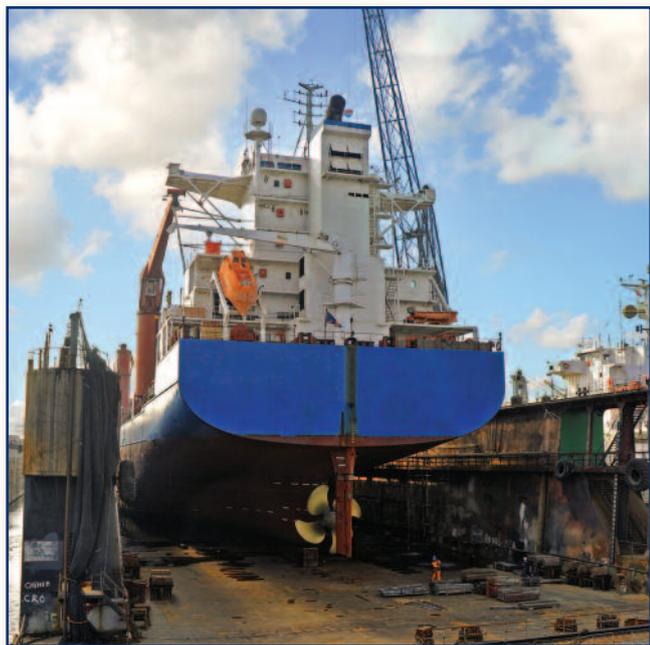
## Specialist & Suspended Access Solutions

### Maritime Applications

Suspended access systems have been successfully utilised in the holds of ships.

Modular design allows equipment to be quickly and easily transferred from hold to hold.

Cradles have been pre-installed to the ships hull from the dock side prior to the ship entering dock, enabling the work to commence immediately the ship enters dry dock.



### Bridges

Mobile gantry systems can be developed to enable quick, efficient and stable access to the underside of bridges and columns for inspection and repairs.

The modular nature of our equipment allows extra wide platform to be assembled.

Full engineering and process is available to support all projects.



### Specialised Systems

Specialised systems can be designed, manufactured and installed to suit many requirements, typically, to areas of restricted access, unusual shaped structures, chimney shafts and the inside of large vessels.

Full design, engineering and process management is available to support all projects.

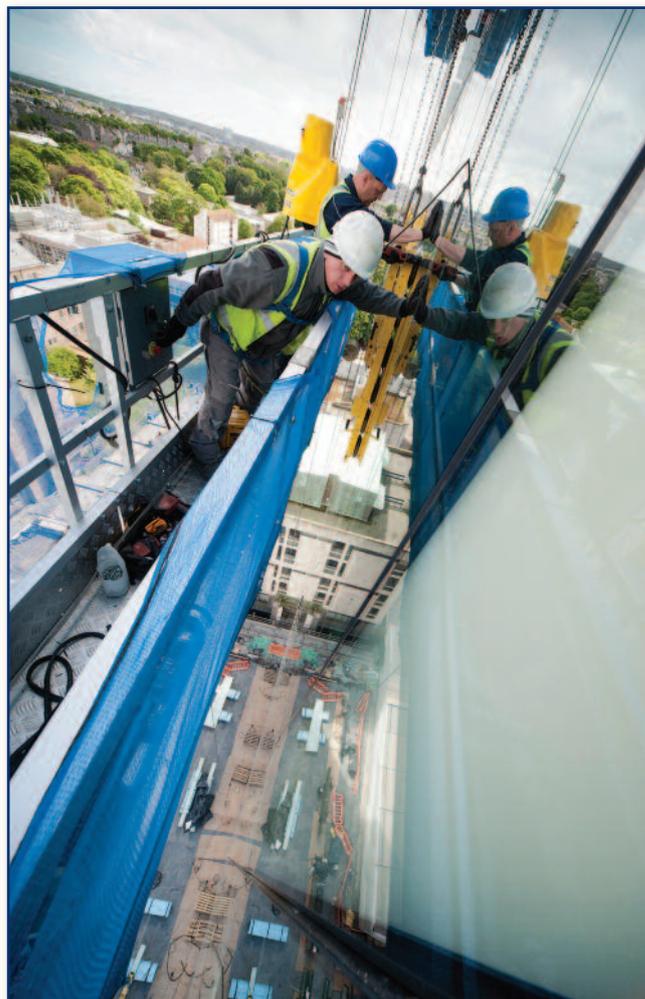


# Adastra Access Ltd

## Specialist & Suspended Access Solutions

### Why is it more cost efficient to hire suspended access systems?

- > Quick, safe access to areas that are not easily accessible using conventional scaffolding, scissor lifts or other types of access.
- > An effective method for the installation of panels and windows.
- > Convenient access for inspection, cleaning, painting, mosaics, repairs and other applications.
- > A productive, safe and ergonomic access system for working, with maximum safety and reduction of worker fatigue.
- > Suspended access is frequently used in construction, refurbishment, maritime and industrial applications.
- > Significant savings on project budgets due to the efficient nature and speed of installation and dismantling.
- > Modular designs that allow for many configurations to suit varying profiles and applications.
- > Equipment can be easily handled and constructed in confined spaces, i.e. inside industrial vessels, ships and lift shafts.
- > Access without the need for ties and consequential remedial work to building facades.
- > It is also possible to move the cradle to other positions without the need for the platform to be lowered to ground level where necessary.



# Adastra Access IPAF Mast Climbing Platform Training Centre

Adastra Access are not just a hire company we provide full engineering, planning and training services to support our customers. We are one of the few approved IPAF mast climbing platform training centres qualified to provide training in accordance with the current Health and Safety Regulations.

All courses can be carried out at our fully equipped Training Centre and if suitable facilities are provided by the client, training can be delivered on site.

## User / Site Induction - platform operators

- > Competence to operate MCWP
- > Complete familiarly with daily inspections and safety systems
- > Operation of safety systems

## Demonstrator - management & appointed person

- > Competence to induct `user's in safe use of mast climber platform
- > Emergency and safety procedures.
- > Qualified to fulfil the daily/weekly MCWP inspection in accordance HSE regulations.

## Operator (Mobile) - advanced users of platform

- > Competence in safe use of mast climber platform
- > Including emergency and safety procedures.
- > Technical competence to transfer mobile units on site
- > Dismantle and reinstall mast and tie of a mobile platform

## Mast Climber Installer - modular course

- > Basic Health & Safety and awareness of MCWP regulations
- > Erection procedures, Inspections
- > Understanding of Risk Assessments Method Statements

## Advanced Mast Climber Installer - modular course

- > Compiling method statements and risk assessments
- > The erection / dismantle of Special platform arrangements
- > Advanced tie and anchor installation IMCWP Thorough Examination

## Adastra Access Instructors and Installers

The people we employ are some of the most qualified and experienced in the Industry.

We continuously assess and train our employees to ensure that our high standards are maintained.



# Mast Climbing Platform

## Technical information

Details based on standard applications	MS-AC4000		HEK MSHF		AC 13000
	single	twin	single	twin	single
Platform length (m)	2.9-10.3	8.5-23.5	2.9-10.3	8.5-23.5	17.5
Platform width (m)	1.5-2.5	1.5-2.5	1.5-2.5	1.5-2.5	2-2.5
Distance between mast centres (m)	–	13.3	–	13.3	–
Distance between anchors (m)	15	15	15	15	9
Maximum mast height anchored (m)	150	150	150	150	200
Maximum mast height above last anchor (m)	8	8	8	8	6
Maximum height free standing (inside/outside)	30/20	30/20	30/20	30/20	15.5/15.5
Mast type	700 x 700 x 1.50		VRK700		0.82x0.82x1.5
Maximum number of persons	3	6	3	6	4
Platform speed (m/min)	7	7	7	7	7.6
Maximum loading capacity (kg)	2300	3500	2300	3500	5344
Height of ground frame anchor	3	3	3	3	2.5
Height of 2nd anchor	9	9	9	9	5.5
Height of platform inc fence (1.1m)	1.95	1.95	1.95	1.95	2.6
Height of deck from ground	0.83	0.83	0.83	0.83	1.5
Maximum starting current	60A	120A	60A	120A	87A
Power	400v 16A 3 phase		400v 16A 3 phase		415x50 Hz

# Cradle Load Capacities

## Technical information

Working Platform Length (Metres)	Rated Load (KGS)	Power Requirement
2.5	450	Single/Three Phase
5	450	Single/Three Phase
6	450	Single/Three Phase
7.5	450	Single/Three Phase
10	450	Single/Three Phase
12	400	Single/Three Phase
12.5	350	Single/Three Phase
15	350	Single/Three Phase
15.5	300	Single/Three Phase
17.5	300	Single/Three Phase



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