Specialist Access Solutions

BROGAN GROUP
SCAFFOLDING, HOISTS & MASTCLIMBERS

MASTCLIMBERS & HOISTS

Welcome to Brogan Group

Brogan Group is an international scaffolding and access contractor, providing an award winning service for the supply and erection of scaffolding, mastclimbers and hoists to major contracts across the world.

As an alternative to scaffolding, mastclimbers are a safe, fast and cost effective solution for transporting personnel and materials to the point of work, making them ideal for envelope contracts.

Hoists are used to vertically transport personnel and/or materials to floor levels of the structure. We supply both passenger/goods and goods only hoists with various payloads and cage sizes.

For enquiries please contact:

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Award Winning Service

Design

- Our team of highly skilled managers, engineers and installers have worked on numerous complex and challenging projects worldwide and are able to give expert advice and guidance from enquiry stage to removal from site.
- The Group's in-house design and engineering team has over 50 years experience in the access industry and are able to provide technical guidance and tailor made solutions to our clients.

'Our in house design and engineering department alone has over 50 years experience in the access industry'

Installation

- Our Light Duty machines can be installed manually due to the weights of their components.
- A lorry loader crane, driver and banksman can be provided to position machines on site if tower cranes are not available.
- Our qualified personnel provide Machine Inductions to designated users for each machine model handed over on site. We also provide IPAF User Inductions and IPAF Demonstrator Training which are carried out by our in-house IPAF Training Instructor.
- Our on-site teams are trained and competent holding IPAF, CPCS (long loader crane, telehandler, slinger and signaller) and Manufacturer specific qualifications.
- Our Supervisors are SSTS qualified.

Maintenance

- Our dedicated depot and service team ensure our machines are kept to a high quality and mechanical standard.
- A team of highly skilled engineers are available seven days a week providing a responsive and efficient call out service.

Access Solutions - Mastclimbers

Mastclimbing Work Platforms

Our extensive fleet of mastclimbers are powerful, efficient and cost effective. Their operation requires very low maintenance and includes inbuilt safety features such as emergency brakes and fail safe devices for overloading. These machines are suitable for many common access requirements.

Key Features

- All machines can be supplied with weather/tool protection, extra guardrail (for increased height), debris netting (normal or flame retardant), plastic sheeting and platform troughs.
- All machines can be fitted with fixed cantilevers at the ends of the platform or on the inside - ranging from 1.5m to 6m.
- Our 3000, 4000, 5000 & 8000 machines can be fitted with mechanical sliding platforms (ranging from 1m to 3m). This enables the user to move the platform themselves.
- Our 3000, 4000, 5000 & 8000 machines can be supplied with 110V power supply to enable the use of tools on platforms.
- Our Medium & Heavy Duty machines can be fitted with heavy duty bases to increase the distance to the first tie and reduce the number of ties required.
- Maxi Anchors can be used on our Medium & Heavy Duty machines allowing a maximum distance of 36m between ties.
- Our Medium & Heavy Duty machines can be double decked (2 working platforms on 1 mast).
- Our 5000 & 8000 machines can be supplied with a lifting jib, monorail (with 250kg lifting capacity) & snake platforms.

Case Study - MCWP 3000

Callow Estate, Sheffield

Callow Estate consists of 296 flats across six towers, the highest reaching up to 41 metres in height. They are known as Bankwood House, Callow House, Handbank House, Newfield House, Parkfield House and Pemberton House.

Main contractor Lovell Partnership led the scheme which was part of the decent homes programme and included external and roof works.

Client - Alumet

Scope of works

Of two separate Our remit included the supply of 72 mastclimbers over the duration of the project to sub-contractor Alumet systems for external works including cladding, window and facade works.

The 3000 provided an ideal solution for this project as they could be manually assembled without a crane once mounted on to the gantry.

Case Study - MCWP 4000

City Lofts, Sheffield

Project comprised a 90 metre high single mastclimber with dual work platforms for all facade works carried out on the 32 storey iconic City Lofts located in St Paul's, Sheffield.

The new build structure at the time was set to be the tallest tower in Sheffield designed specifically as an iconic landmark for the city centre.

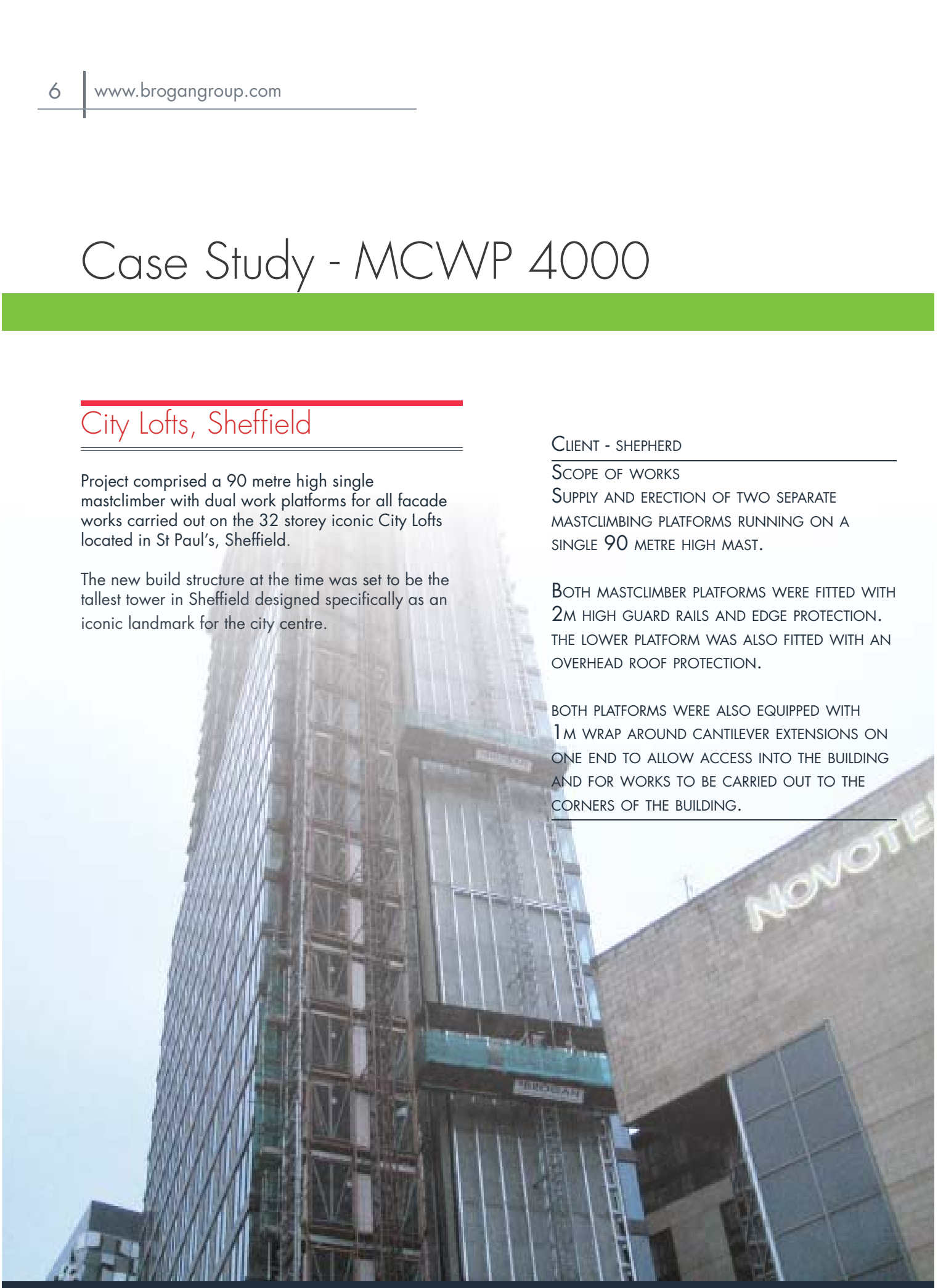
CLIENT - SHEPHERD

SCOPE OF WORKS

SUPPLY AND ERECTION OF TWO SEPARATE MASTCLIMBING PLATFORMS RUNNING ON A SINGLE 90 METRE HIGH MAST.

BOTH MASTCLIMBER PLATFORMS WERE FITTED WITH 2M HIGH GUARD RAILS AND EDGE PROTECTION. THE LOWER PLATFORM WAS ALSO FITTED WITH AN OVERHEAD ROOF PROTECTION.

BOTH PLATFORMS WERE ALSO EQUIPPED WITH 1M WRAP AROUND CANTILEVER EXTENSIONS ON ONE END TO ALLOW ACCESS INTO THE BUILDING AND FOR WORKS TO BE CARRIED OUT TO THE CORNERS OF THE BUILDING.




BROGAN

Case Study - MCWP ACT4

Westfield Shopping Centre

Project comprised the supply, hire and erection of a number of Mastclimbing platforms in various locations to facilitate soffit works to the ceiling of the newly constructed Westfield Shopping Centre.

Westfield in Stratford, East London, is Europe's largest urban shopping centre covering 1.9 million sq. ft., with a total project value of £3.24 billion.

The development of Westfield Stratford City forms part of the wider urban regeneration programme for East London in the context of the 2012 Olympic Games.

Client - Westfield

Scope of works

Supply and erection of twenty mastclimbing platforms all serving three levels of the mall along with some scaffolding erected for internal works.

Case Study - MCWP ACT 8

Westgate, Ireland

Westgate comprised of new build office blocks in Dublin. Brogan Group provided mastclimbers throughout the project for glazing works carried out by Permasteelisa.

Client - Permasteelisa

Scope of works

Mastclimbers were erected for facade works, in order to maintain full access to the facade, free standing bases were erected at ground level, a crane was then used to erect mastclimbers to full height (27m). The machines were then tied at roof level using specialist brackets to fit the structural upstand wall.

Case Study - MCWP 5000

West Tower, Liverpool

At 140 metres high,West Tower in Old Hall Street is by far the tallest building in Liverpool. Mastclimbers were erected to the full height of the building on the North elevation to enable Dobler Metallbau to fix glazing panels to the facade.

The machines could not be based out at ground level due to obstructions, so instead had to be supported from a specialist fabricated gallows bracket at second floor level.

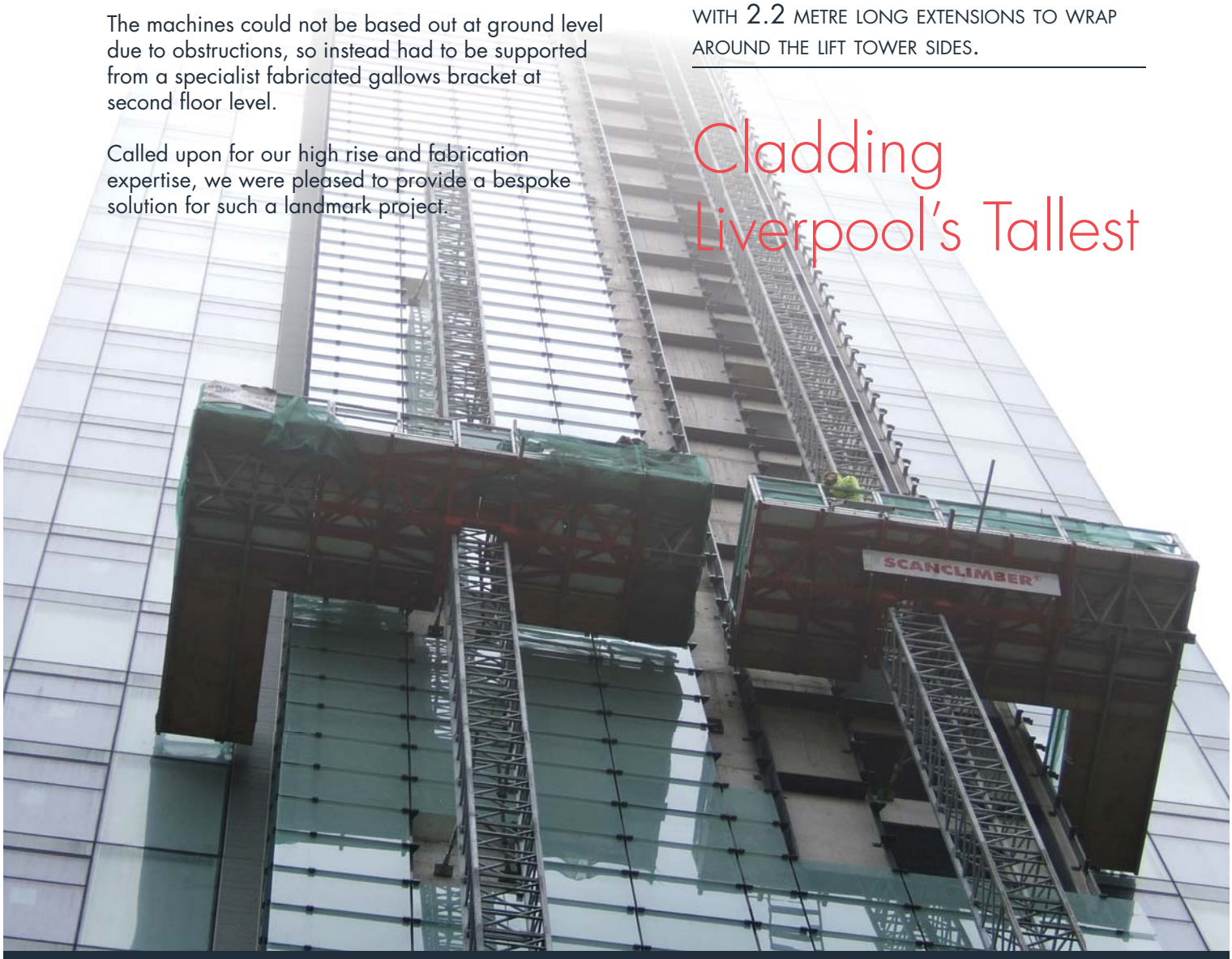
Called upon for our high rise and fabrication expertise, we were pleased to provide a bespoke solution for such a landmark project.

CLIENT - DOBLER METALLBAU

SCOPE OF WORKS

110M HIGH MASTCLIMBERS WERE ERECTED TO THE STAIR CORE FOR CLADDING AT WEST TOWER IN LIVERPOOL. MASTCLIMBERS WERE ALSO FITTED WITH 2.2 METRE LONG EXTENSIONS TO WRAP AROUND THE LIFT TOWER SIDES.

Cladding Liverpool's Tallest



Case Study - Mastclimbers/Hoists

Alberta House

The £23.5m project comprised of 133 residential units in three separate buildings one of which is 25 storeys tall. Our remit includes the provision of scaffolding, twin and single passenger/goods hoists and mastclimbers to all three blocks.

Working to a tight programme our turnkey solution offering a wide scope of access was an underlying reason as to why we were selected by Higgins for this high rise project.

Client - Higgins Construction

Scope of works

Provision of scaffolding, 23 mastclimbers up to 70m high. Mechanical decks on the mastclimbers were used to service the interchanging heights of the facade which sped up glass installation, cladding and finishing works to the facade.

Case Study - Mastclimbers/Hoists

Victoria Hall

Project comprised of a new build student living accommodation situated near Wembley Stadium. The structure was a 20 storey spiral tower with three wings encircling the core of the building. This presented our design team with several challenges in order to develop an all-encompassing access solution.

Scaffold had to be cantilevered and integrated with the hoist run off towers and in between the mastclimber locations, whilst following a curved facade.

"Working closely with the Brogan Group designers, Contract Managers and Site Foreman MACE made certain that practical solutions were developed to keep the project to the tight programme. All this was achieved with Brogan Group maintaining its high health and safety standards"

Jason Liu,

Construction Manager -

Mace Living

CLIENT - MACE LIVING

SCOPE OF WORKS

THE 70M HIGH BUILDING INVOLVED STRAIGHT ELEVATIONS FOR WHICH MASTCLIMBERS WERE USED WITH MASTS UP TO 50M. IN ADDITION TO MASTCLIMBERS SYSTEM SCAFFOLD WAS USED, ON CIRCULAR AREAS OF THE CENTRAL SPIRAL SHAPED TURRET. GOODS AND PERSONNEL HOISTS WERE ALSO PROVIDED.

Case Study - HOIST SC2032F SINGLE

Merchant Square

Project comprised of a new mixed use building in Paddington London which encompasses six architecturally diverse buildings set within a high quality public area with a major new canal-side square as its focal point. The scheme combines 559 new homes, shops, almost 100,000 square metres of new office space and substantial underground parking.

Client - Carillion

Scope of works

Overall access package including scaffolding, two passenger/goods hoists up to sixteenth floor. In addition to this a 26m high twin mastclimber along with a 40m high single mastclimber supplied for cladding contractor Prater.

Case Study - HOIST SC2032F TWIN

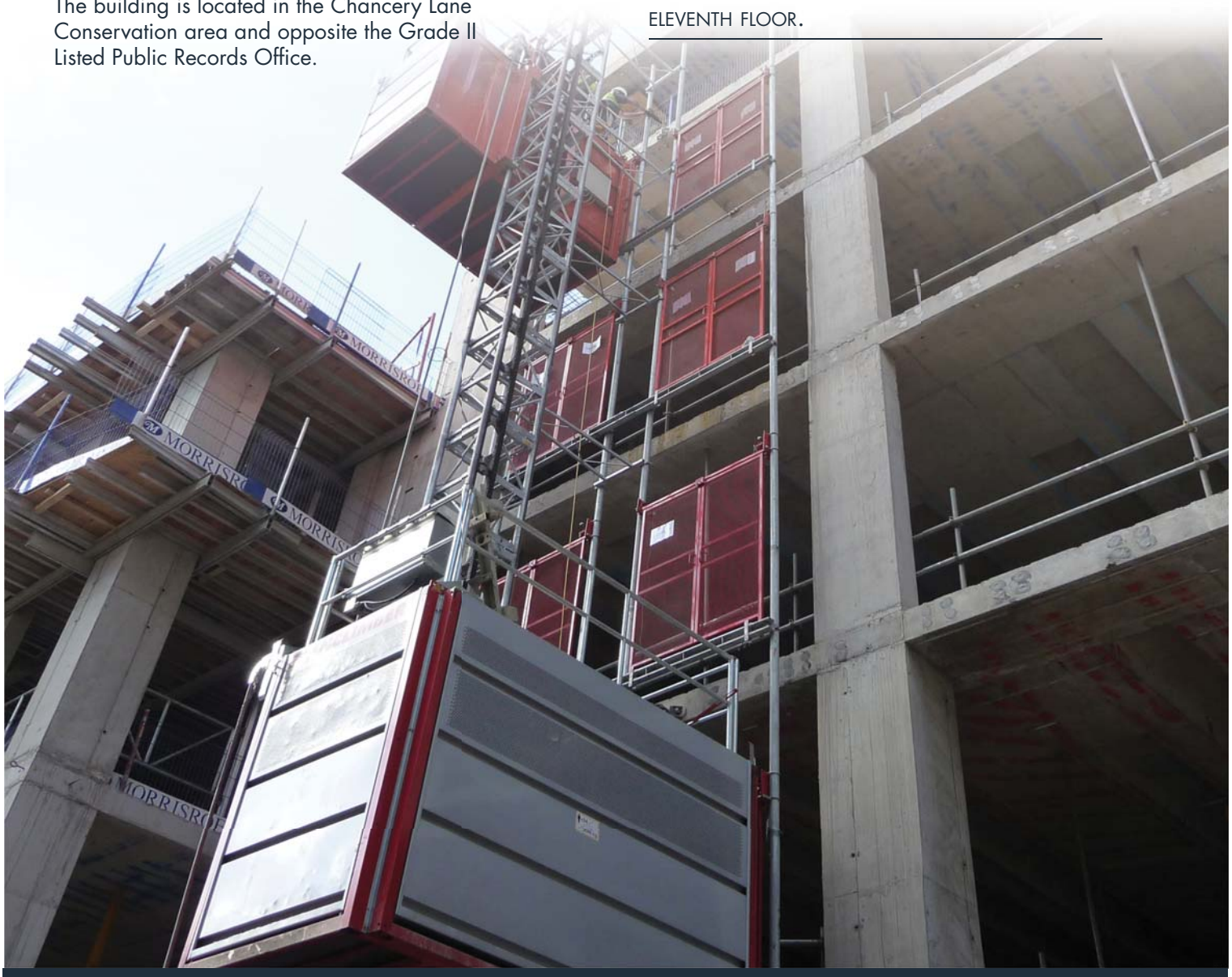
Rolls House

Rolls House was part of a larger redevelopment scheme, which included Arnold House and No 8 Breams Building to create 37,000m² of new office accommodation over nine floors. The building is located in the Chancery Lane Conservation area and opposite the Grade II Listed Public Records Office.

Client - Carillion

Scope of works

Supply, hire and erection of a SC2032F twin goods and personnel hoist to transport goods and personnel up to the eleventh floor.



Case Study - HOIST NOV2032

Alberta House

The £23.5m project comprised of 133 residential units in three separate buildings one of which is 25 storeys tall. Our remit includes the provision of scaffolding, twin and single passenger/goods hoists and mastclimbers to all three blocks.

Working to a tight programme our turnkey solution offering a wide scope of access was an underlying reason as to why we were selected by Higgins for this high rise project.

CLIENT - HIGGINS

SCOPE OF WORKS

PROVISION OF 4 2TN HOISTS UP TO 80M.


8
7
6
3
2

Case Study - HOIST ECP1500

Elm Green School

Project comprised the construction of new premises for Elm Green Secondary school in Lambeth. Providing 900 places for pupils in years 7 to 11 (including a 30 place Hearing Impairment Unit), and a 200 place sixth form unit.

Client - Carillion

Scope of works

Overall access package including an ECP1500 hoist for the transportation of goods. Other works included independent scaffold, access stair cases, lift shafts, two large heavy duty modular beam bridges, and bird cage scaffolds to support the roof and glazing works.

Case Study - HOIST EC600

Client - Stone Developments

Scope of works

Overall access package including scaffolding, mastclimbers and an EC600 hoist for the transportation of materials.

Block G - Leopardstown

Block G is part of the main Central Park project which comprises of a mixed use campus development - mainly commercial, retail and leisure development, as well as large scale infrastructural redevelopment.

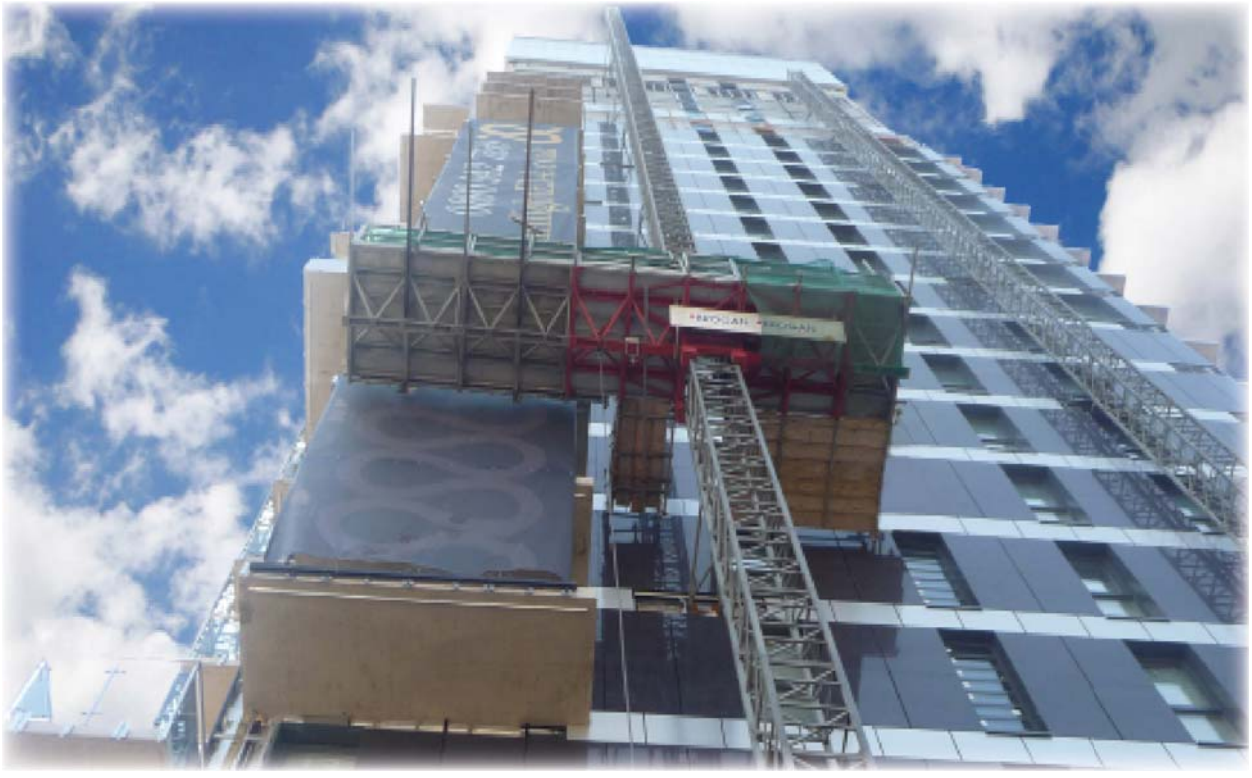
Accessories

Sliding Mechanical Work Platforms

Our range of mechanical sliding platforms can be fitted to MCWP 3000, MCWP 5000 and MCWP 8000 and provides an extension to the length of the machine, which allows contractors to access areas normally excluded from fixed platform equipment.

Key Features

- Platforms can be tailored to the facade of the building
- Come in varying distance from the faced ranging from 1 to 3 metres
- User can operate sliding platform without the need for return visits from the installer
- Time saving - giving the contractor quicker access to location of works



Accessories

Snake Platforms

The Snake Platform system can be used on the MCWP 5000 and MCWP 8000 to enhance the ability to configure the platform profile to the structure regardless of shape. The angle for each platform section can be adjusted steplessly up to 45°.

Key Features

- Ability to adjust platform profile steplessly whilst in the air
- Platform sections can be rotated through a range of 90° in relation to its neigbouring section
- L and T adapators allow internal and external tubular facades to be accessed from a single mast
- Virtually limitless height capability
- Ability to bypass obstructions and architectural features with ease and provied access to all areas
- Minimal ground area required for set up allows access in the most congested environments
- Low component weights require no special transport or craneage to transport or install
- Robust design, materials and manufacture allows freedom of use in hostile environments
- Rapid erection and dismantling reduce overall production down time massively

MCWP - Specifications

Mastclimbers	Light Duty	Medium Duty		Heavy Duty		
SINGLE	**3000**	**ACT 4**	**4000**	**5000**	**ACT 8**	**8000**
Maximum Lifting Height (anchored)	120m	168m	100m	100m	168m	150m
Maximum Lifting Height (free standing)	6m	18.3m	15m	20m	13.7m	15m
Maximum Platform Length	11.84m	14.2m	13.75m	16.9m	17.3m	16.9m
Maximum Payload	1700kg	1820kg	2000kg	2700kg	3635kg	4500kg
Elevation Speed	10m/min	5.2m/min	6m/min	7m/min	11.6m/min	7.2m/min
Maximum Distance Between Standard Ties	9m	12.2m	18.5m	18.5m	9.1m	18m
Power Supply	3 phase 400v 50Hz	3 phase 400v 50Hz	3 phase 400v 50Hz	3 phase 400v 50Hz	Diesel	3 phase 400v 50Hz
Power Supply Fuses/RCD Protection (minimum)	32A/ 300ma motorised	32A/ 300ma motorised	32A/ 300ma motorised	32A/ 300ma motorised		32A/ 300ma motorised
Power Supply Socket	32A 5 pin	32A 5 pin	32A 5 pin	32A 5 pin		32A 5 pin
Starting Current	29A	61.8A	60A	60A		60A
Power Consumption	6kW/ 6.6kVA	11kW/ 12.1kVA	7.27kW/ 8kVA	7.27kW/ 8kVA		7.27kW/ 8kVA
TWIN	**3000**	**ACT 4**	**4000**	**5000**	**ACT 8**	**8000**
Maximum Lifting Height (anchored)	120m	168m	100m	100m	168m	150m
Maximum Lifting Height (free standing)	6m	18.3m	15m	20m	13.7m	15m
Maximum Platform Length	32.4m	33.2m	31.4m	40.6m	38.1m	46.2m
Maximum Payload	3420kg	3635kg	4200kg	5000kg	7275kg	8000kg
Elevation Speed	10m/min	5.2m/min	6m/min	7m/min	11.6m/min	7.2m/min
Maximum Distance Between Standard Ties	9m	12.2m	18.5m	18.5m	9.1m	18m
Power Supply	3 phase 400v 50Hz	3 phase 400v 50Hz	3 phase 400v 50Hz	3 phase 400v 50Hz	Diesel	3 phase 400v 50Hz
Power Supply Fuses/RCD Protection (minimum)	32A/ 300ma motorised	32A/ 300ma motorised	32A/ 300ma motorised	32A/ 300ma motorised		32A/ 300ma motorised
Power Supply Socket *per drive unit	32A 5 pin	32A 5 pin*	32A 5 pin*	32A 5 pin*		32A 5 pin*
Starting Current *per drive unit	58A	61.8A*	60A*	60A*		60A*
Power Consumption *per drive unit	12kW/ 13.2kVA	11kW/ 12.1kVA*	7.27kW/ 8kVA*	7.27kW/ 8kVA*		7.27kW/ 8kVA*

PLEASE NOTE - Individual Specification Sheets can be obtained on any of the Mastclimbers and Hoists listed above and to the right by emailing **estimating@brogangroup.com**

HOIST - Specifications

Hoists				
SINGLE	**EC600**	**ECP1500**	**NOV2032**	**SC2032F**
Maximum Lifting Height (anchored)	120m	150m	345m	300m
Maximum Payload	600kg	1500kg	2000kg/ 20 pers.	2000kg/ 24 pers.
Elevation Speed	20m/min	24m/min	35m/min	36m/min
Maximum Distance Between Standard Ties	6m	6m	12m	21m
Lifting Cage/ Transport Basket Dimensions Internal (LxWxH)	1.5m x 1.1m x 1.0m	3.6m x 1.3m x 1.1m	3.2m x 1.5m x 2.5m	3.2m x 1.5m x 2.1m
Ground Station Dimensions (LxWxH)	4.0m x 3.0m x 2.0m	4.0m x 3.0m x 2.0m	3.6m x 2.7m x 3.0m	3.9m x 2.6m x 2.7m
Transport Basket Gate Openings (W)	1.5m loading/ 1.1m unloading	1.3m loading/ unloading	-	-
Lifting Cage Door Opening Dimensions (WxH)	-	-	1.5m x 2.0m	1.5m x 2.1m
Landing Gates Opening Dimensions (WxH)	1.1m x 2.0m	1.6m x 2.0m	1.6m x 2.0m	1.6m x 2.0m
Power Supply	3 phase 400v 50Hz	3 phase 400v 50Hz	3 phase (earth & neutral) 400v 50Hz	3 phase (earth & neutral) 400v 50Hz
Power Supply Fuses/ RCD Protection (minimum)	32A/300ma motorised	63A/300ma motorised	100A (time lag slow fuse)/ 30ma motorised	63A (slow)/ 500ma motorised
Power Supply Socket	32A 5 pin	32A 5 pin	-	-
Starting Current	28.4A	76A	300A	86A
Power Consumption	6kW/ 6.6kVA	16kW/17.6kVA	35.45kW/ 39kVA	22.5kW/ 24.75kVA
TWIN	**EC600**	**ECP1500**	**NOV2032**	**SC2032F**
Maximum Lifting Height (anchored)	-	-	345m	220m
Maximum Payload (per lifting cage)	-	-	2000kg/20 pers.	2000kg/24 pers
Elevation Speed	-	-	35m/min	36m/min
Maximum Distance Between Standard Ties	-	-	12m	21m
Lifting Cage Door Opening Dimensions (WxH)	-	-	3.2m x 1.5m x 2.5m	3.2m x 1.5m x 2.1m
Ground Station Dimensions (WxH)	-	-	3.6m x 4.6m x 3.0m	3.9m x 5.0m x 2.7m
Transport Basket Gate Openings (W)	-	-	-	-
Lifting Cage Door Opening Dimensions (WxH)	-	-	1.5m x 2.0m	1.5m x 2.1m
Landing Gates Opening Dimensions (WxH)	-	-	1.6m x 2.0m	1.6m x 2.0m
Power Supply	-	-	3 phase (earth & neutral) 400v 50Hz	3 phase (earth & neutral) 400v 50Hz
Power Supply Fuses/RCD Protection (minimum)	-	-	100A (time lag slow fuse) / 30ma motorised	63A (slow)/ 500ma motorised
Power Supply Socket	-	-	-	-
Starting Current (per lifting cage)	-	-	300A	86A
Power Consumption (per lifting cage)	-	-	35.45kW/39kVA	22.5kW/ 24.75kVA

IPAF Training Centre

The Centre

Our fully equipped IPAF approved training centre is located at our London Headquarters, where our dedicated resident IPAF instructor delivers training in line with IPAF requirements. Training is also available on site if suitable facilities are provided by the client.

Courses

MCWP DEMONSTRATOR

AIM: To instruct the trainee to safely operate and demonstrate the use of various types of Mastclimbing Work Platforms (MCWP), and to enable them to select and plan the use of MCWPs on a particular job site. This includes familiarisation of the users with their responsibilities, demonstrating pre-operational checks, safe operating procedure and the limitations of MCWPs.

MCWP USER

AIM: To enable the delegate to be issued with a User ticket that will enable them to operate the particular Mast Climber that they have been trained on at that particular site.

IPAF Approved Training Centre

Bookings:

MCWP INSTALLER

AIM: To instruct the trainee to safely operate and demonstrate the use of various types of Mastclimbing Work Platforms (MCWP). To include all aspects of operating the MCWP, the assembly of the platform and controlling/safety devices, installation of mast and ties, and movement of the machine.

Further, to have knowledge of any local regulations relating to the supply and use of MCWPs, risk assessments and method statements, and to be capable of final assembly, visual and functional checks.

MCWP ADVANCED INSTALLER

AIM: To further instruct the trainee, over and above the modules required for INSTALLER, on compiling risk assessments and method statements, undertaking thorough examinations of the complete installation, on demonstrating the use of various types of MCWP to others and the planning, selection and use of MCWPs on a particular job site. Also to understand the implications and limitations of MCWPs in respect of their use with special platform configuration, non standard tie arrangements and anchor selection.

All courses can be booked through our London Office. To receive a booking form or to make an enquiry please email; **ipaf@brogangroup.com**

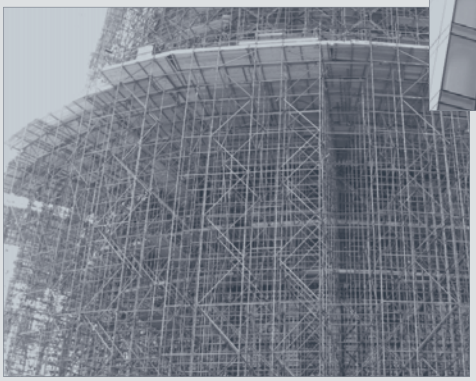
Why Choose Us?

- One stop service for clients offering scaffolding, mastclimbers, hoists and loading platforms
- Unrivalled service with proven track record
- One of the top three privately owned access contractors in the UK
- Competitive Rates
- Expert supervision and project management
- Utilise our own quality equipment and well maintained, stocked depots in the UK, Ireland and the UAE
- Undertake any major contract with fully integrated management systems to ensure precise communication and swift action procedures for changes and adjustments
- In-house Health & Safety, Quality and Environmental department
- Innovative in-house design and estimating team offering bespoke solutions
- Our site work-force are 100% directly employed and have CSCS/CISRS cards
- More than 30 SMSTS/SSSTS trained managers
- IPAF approved training centre, Instructor and Installers
- Members of CHAS, CHSG, NASC, CPA, IPAF, FTA and the British Safety Council
- Accredited to OHSAS 18001, ISO 9001, ISO 14001, UVDB, Link-UP and Building Confidence
- In-House steel fabrication department
- Award winning services:
  - Construction News Specialists Awards Winners 2008 Access & Scaffolding
  - Construction News Specialists Awards Finalists 2009 Access & Scaffolding
  - Construction News Specialists Awards Finalists 2009 Health & Safety
  - Building Awards Finalists 2010 - Specialist Contractor of the Year

"A differentiator that Brogan provide is their willingness to enter into early discussions to review options which then follows through to their site operations and they are always willing to discuss other alternatives."

Tim ODwyer - Project Manager, Carillion

www.brogangroup.com



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