



WOOD WHARF B2, CANARY WHARF, LONDON, UK

CASE STUDY

## **Alimak Mast Climbers and Construction Hoist at work on Canary Wharf's first modular building**

Access anytime, anywhere

**ALIMAK**



## Alimak Mast Climbers and Construction Hoist at work on Canary Wharf's first modular building

Ten Alimak™ single and twin mast climbing work platforms, and one construction hoist were installed during construction of the B2 Wood Wharf project; Canary Wharf's first modular building.

### MODULAR PROJECT

The Wood Wharf B2 project is Canary Wharf's first modular building, comprising of 279 apartments, along with several retail units and restaurants. As a modular project, each apartment unit was constructed off-site, including fitted bathrooms, kitchens, and furniture. The units were then transported to site and installed.

### MAST CLIMBING WORK PLATFORMS

A total of ten Alimak MC 650 and MC 450 mast climbing work platforms were installed on the project to assist in the modular apartment installations, with the customer opting for both single and twin masted configurations, with a combination of A and B drives.

The platform lengths ranged from 4.2 m to 28.3 m long, with payload capacities from 2,000 kg to 6,960 kg.

Choosing both A and B drives enables the mast climbers to be used independently from each other, which greatly increases efficiency on site. As each apartment unit was lifted onto the building via crane, the construction team were able to stand on the platform and guide the units into place. Additionally, the mast climbers provided access to install glazing panels on the building façade, decreasing the total build time. Glazing panels are usually the final part of the building's construction, however, using Alimak mast climbers allowed panels to be installed on lower floors, even while the upper floors were still being constructed.





## MONORAILS

Monorails fitted with a remote-controlled electric winch, were installed at the top of the mast of each mast climber. The monorails work together with the mast climbers, enabling heavy façade elements to be moved into position by workers standing on the platform.

The length of each monorail matched the mast climber's platform length, enabling full utilisation of the working space.

The two longest mast climbers had their monorails fitted with two winches. This allowed two separate installation teams to install cladding panels at the same time, thereby boosting productivity.





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## CONSTRUCTION HOIST

An Alimak Scando 650 FC construction hoist, with a payload capacity of 2,500 kg, was also installed on the project. This provided vertical access for both personnel and materials, enabling the project to run efficiently and enhancing safety.

Instead of the stand 3.2 m hoist length, Alimak engineers added an extension to just one side of the hoist, to allow the maximum car size of 4.45 m to fit within the space constraints.



## PLATFORM DETAILS

|                   |                                       |
|-------------------|---------------------------------------|
| Location:         | Canary Wharf, London, UK              |
| Application:      | High-rise construction                |
| Product category  | Mast climbing work platforms          |
| Models:           | Alimak MC 650 and MC 450              |
| No. of platforms  | 10 (4x single masted, 6x twin masted) |
| Platform lengths: | 4.2–28.3 m                            |
| Capacity:         | Up to 6,960 kg                        |
| Speed:            | 11 m/min                              |
| Lifting height:   | 70 m                                  |

## HOIST DETAILS

|                  |                          |
|------------------|--------------------------|
| Location:        | Canary Wharf, London, UK |
| Application:     | High-rise construction   |
| Product category | Construction hoists      |
| Models:          | Alimak Scando 650 FC     |
| No. of cages:    | 1                        |
| Cage size:       | 1.5 x 4.45 m (W x L)     |
| Capacity:        | Up to 2,500 kg           |
| Speed:           | 54 m/min                 |
| Lifting height:  | 71 m                     |



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