

Case study:

Alimak Hek modularity makes all the right moves



Photo courtesy of Ben Veasey

3 Merchant Square, London, UK

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The modular design of Alimak Hek passenger and goods hoists makes all the difference in moving workers and large materials during the building of the prestigious 3 Merchant Square project in London.

Taylor's Hoists were asked by the Mace Group to solve the logistical challenge of delivering large bathroom pods and cladding panels into the building whilst also moving workers efficiently and safely during the construction phase. Taylor's Hoists with the help of Alimak Hek provided an innovative solution which was achieved by combining a Hek TPM Material Hoist with an Alimak Scando 450 Construction Hoist sharing the same masts.

The Alimak Scando 450 construction hoist range combines all the elements of the established "Scando 650" concept including cost saving modularity, enhanced energy efficiency, improved ergonomics and productivity, with the 20/32 model used on this project being a cost effective alternative for the popular Scando 650 20/32 model.

The Hek material hoist range is truly modular where by the TPM3000T2 model used can be re-configured to create a number of twin and single mast machines, making an ideal addition to any hoist rental fleet.

These hoists are not only modular in their design independently but also together as both ranges run on the same 450 mast reducing space and installation times.

The delivery of tall bathroom pods was a particular challenge and the TPM machines were the ideal solution with VFC drives to allow accurate floor levelling whilst also being set up so that the platform flap opened out on to a steel support angle below the floor slab creating a flat and smooth transfer of the pods in to the building within the height of the floors.

Taylor's Hoists Operations Manager Gordon Craig commented on the success of this innovative solution. He said: "It was the first time that this progressive equipment had been implemented in London with interest received from other contractors and is an example of how a continued and close relationship with the hoist manufacturer helps Elliott Thomas provide the most innovative and effective solutions to these types of logistical challenges."



DETAILS

Location:	3 Merchant Square, London, UK
Application:	New Build Apartments
Lifting height:	21 floors at a height of 60 m

Construction hoists

Hoist type:	ALIMAK SCANDO 450 DOL 20/32
No. of hoist cars:	2
Capacity:	2,000 kg
Hoist car size:	1.4 m wide x 3.0 m long
Speed:	54 m/min

Material hoists

Material hoist type:	HEK TPM 3000 T2
No. of hoist cars:	2
Capacity:	2,500 kg
Hoist car size:	3.2 m wide x 3.7 m long
Speed:	24 m/min

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Alimak Hek AB is ISO 9001 and 14001 certified.

