

A SITE TO BEHOLD

One of the Largest High Rise Construction Sites in the World Gets a Lift with Innovative Logistics Software

The massive daily material demands of Canary Wharf on the Isle of Dogs in London, claimed to be one of the largest new high rise construction site in the world, depends on the versatile Zone Manager vehicle, crane and hoist management solution supplied by logistics specialists The Logistics Business.



Every day, over 300 lorry deliveries of construction materials arrive on a site so restricted there are no waiting or lay down areas. “You probably won’t find anywhere else in the world with this intensity of commercial office space development,” comments Douglas Blackstock, senior logistics manager for Canary Wharf Contractors.

Over 8,000 men and women are working on more than 7 Million square feet of office space. The site includes 33 and 43 storey

THE LOGISTICS BUSINESS LTD

developments housing some of the world's most prestigious organisations – HSBC Holdings plc, Lehman Brothers and soon the new Barclay's world headquarters to name just a few.

With the potential for construction chaos and delivery congestion, Blackstock was determined for things to run smoothly; "Organising deliveries to site and scheduling your cranes and hoist cars is critical. We needed a tool to manage the process, especially as weather can play a part and we may have to reschedule quickly."

The answer proved to be software called Zone Manager developed by The Logistics Business. The origins are in the logistics rather than the construction industry, as it was developed from the successful Dock Manager software used to control deliveries to doors at busy distribution centres.

Vehicle management, the efficient scheduling of cranes and hoists and overall co-ordination of site logistics resources, is controlled by powerful Zone Manager applications. Zone Manager is now an integral part of the management process of on-site activities.

With 7 million square feet of office space under construction, confined by waterways in the heart of London's Docklands efficient logistics, with precise hoist and delivery scheduling is vital to achieve project completion on time and on budget.

There was no room on site for construction operations, ground level materials handling and storage, and short-term parking. The arrival of 300 delivery vehicles each day posed a very real problem.

As a result, deliveries for up to 33 tower cranes and some 40 hoist cars are allocated 'slots' by building logistics managers, calculated on the hoisting and crane time needed. Zone Manager also controls arrivals of these vehicles,

which are directed to a nearby holding area until their scheduled slot to avoid congestion on site.

Supplies are promptly marshalled from the incoming holding area to an unloading zone and are transferred, either to ground level stores or transported by crane or hoist straight up to the work level. This procedure eliminates double handling in many cases and efficient scheduling ensures optimum crane and hoist productivity.

The best laid plans do not always come to fruition in crane work, wind is a problem. Cranes have to stop if wind speed exceeds 38 miles an hour and hoists at a slighting higher wind speed and therefore rescheduling is necessary. Zone Manager helps manage this flexibility quickly and efficiently, bringing benefits to on site work and suppliers.

“Tailoring the application to the needs of the site has been a major factor behind the success of Zone Manager,” explains Simon Tomlinson at The Logistics Business.

“This was originally a vehicle arrival management system that has been adapted to incorporate crane and hoist scheduling. Yet with the sheer size and constraints of operations at Canary Wharf we had to specifically adapt the software to maximise resources, logistics, supplies and labour.”

Blackstock sums up the continuing Canary Wharf project; “This has been a ground breaking logistics exercise. We have proved that sound on site logistics and professional management of material deliveries is leading us rapidly towards successful project completion.”

For more information, please contact:

Press Enquiries

Louise Hutton / Nigel Lloyd Parry
The Marketing Management Office
The business-resource.network
Whateley's Drive
Kenilworth
CV8 2GY
Telephone: 01926 748008
logistics@marketingman.co.uk
www.marketingman.co.uk

All other enquiries

Les Beaumont
The Logistics Business
Old Court House
The Crescent
Bromsgrove
B60 2DF
Telephone : 01527 889060
info@logistics.co.uk
www.logistics.co.uk