

# ABI Equipment Limited

## Piling Equipment Specialists

Sales - Hire - Parts and Service - Project Support



ABI Equipment Limited was asked to supply specialist equipment consisting of a Delmag RH 34 drilling rig, rotary head and Kelly bar by contractor Commercial Marine and Piling Ltd (CMP) for the piling work at Wood Wharf on the Isle of Dogs, London.

The piling works were carried out over a number of weeks in the spring and summer of 2015.

Canary Wharf Group received planning permission in December 2014 for a new development at the site known as Wood Wharf. This would be a new phase of Canary Wharf.

The proposed development will transform the large 13.6 hectare site. Up to 3610 new homes, businesses and retail units, hotel, leisure and recreational facilities will be built. This will include the construction of 9 towers on reclaimed land.

### Wood Wharf on the Isle of Dogs

**Main Contractor:** Commercial Marine and Piling Ltd

**Client:** Canary Wharf Group

**Piling Equipment supplier:** ABI Equipment Limited



### ABI Equipment Limited

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CMP hired a Delmag RH34 drilling rig from ABI Equipment Ltd to construct a combi-wall around the perimeter of the site. The rig was mounted onto a stabilized barge. The combi wall consisted of 157 No. permanent tubular piles which were up 1200mm diameter and varied between 19.5 and 21.5 meters long. The infill sheet piles were section AZ 26 x 16 metres long.



The contract stipulated that noise was to be kept to a minimum which precluded the use of noisy impact hammers driving the piles. This necessitated the use of a drilling rig to pre drill and install the piles.

The method of working involved using 1900mm dia' temporary casings in which the Delmag RH34 drilled. A digging bucket was used to excavate the soil inside each pile. The ground conditions were sands and gravels overlying clay with a dense layer of calcrete.



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