

Victor Deck Lift

Client: Conoco (UK) Plc

Main Contractor: R.G.C. Offshore Plc



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The deck structure for Conoco's Victor Platform was designed to be assembled as an integrated unit mounted on four 10m high legs for installation on the platform. R.G.C. Offshore elected to build the deck complete inside their covered workshop with all main assembly at ground level followed by an 11m lifting operation to install the legs. An added complication was that the 770 tonne deck was non symmetrical and split roughly 470 tonnes along one side but only 300 tonnes along the other.

Fagioli PSC's solution to the problem was the provision of a single free standing triangular format tower mounted on simple pre-cast block foundations adjacent to each lifting point. For the heavy and light sides respectively, twin and single L180 jacks connected down to cantilever brackets welded onto the base level of the deck. Power from a single L4/15D power pack produced a two hour lift, automatically synchronised despite the unequal loading.