

Dinorwig Power Station North Wales

SCX Special Projects for Engie

Scope Of Work

-  *Energy Sector*
-  *Specialist installation and removal of OHCs*
-  *Completed within 9 days*

The installation of two 160 tonne swl Overhead Cranes (OHCs) and removal of one at Dinorwig Power Station in North Wales, called on AIS Vanguard's specialist planning, project management and complex lifting expertise to complete the complex lifting arrangement.

Despite the space constraints of the hydropower station, which is located inside Europe's largest manmade cavern, Vanguard was able to complete the work safely while the plant was fully operational and with zero downtime.

The Solution

After extensive preparatory work to establish access and circulation space within the plant, as well as complete rigorous health and safety checks, RAMs and drawings - AIS Vanguard deployed a four-strong rigging team and a 450 tonne hydraulic jacking system to carry out the installation and removal work over two separate visits.

Following a three-day rig set up on site, Vanguard completed a series of complex jack lifts to erect the new OHCs, despite the challenges of working within an operational power station and its restricted spaces.

Vanguard's team was agile and responsive to the client's evolving needs throughout, working around the station's own scheduled operations and taking on additional work as the job unfolded.

Delivering Complex Lifts at Dinorwig Power Station . North Wales

This included the disassembly of the hoist and carriages to avoid the need for additional movement orders and reduce transport costs.

The old OHC was disassembled and removed on Vanguard's second visit.

Following the installation of the new OHCs, the jacking system remained on-site for a further seven weeks while commissioning work was undertaken

"This project is a celebration of planning and agility, and it reflects a very positive working relationship with SCX Special Projects. We placed the utmost importance on health and safety and careful programme management from the outset, so that we could deliver the programme safely and efficiently and avoid the need for power station downtime."

Craig Caldwell
Contracts Manager . AIS Vanguard