

Press Release

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BAUER Digs Deep to Complete Pembroke Jetty

One of its more tricky projects to-date, BAUER Technologies Ltd has completed works to install 20 piles on a 50-year-old jetty on the Estuary at the site of the new 2000MW, Combined Cycle Gas Turbine Power Station, to support the Liebherr LGD 1750 and its safe off-loading of five 400-tonne turbines as a part of the station's construction.

The install included 4 piles located off the end of the jetty reaching into the tidal zone of the Milford Haven estuary, which on a 1960's constructed jetty, acknowledged to be in no condition to support the 100-tonne, 1.2 million Euro, was particularly risky. Add the SSSI (Site of Special Scientific Interest) status of the area and the environmental risks, in addition to the health and safety issues meant a no compromise approach had to be adopted.

BAUER chose its rotary system for the job, using thick walled casing with tungsten carbide cutting teeth rotated to toe using BAUER's powerful BG28 rig. For the marine piles, 1220-mm diameter casing and 19-mm thick were fitted with BAUER spec cutting teeth, to ensure penetration through the boulders.

Speaking about the project Carl Dunsire said "Everything about this project was big, except for the working space and there was a genuine risk that if we got something wrong, we would lose our 1.2 million Euro rig to the sea and it doesn't float!"

Carl added: "The BAUER rig movements and piling locations had to be planned weeks ahead, with the tracks located on large crane mats embedded into the piling platform. Two safety boats, in contact with the Coast Guard, patrolled the icy waters around the jetty, which itself was bunded to prevent an accidental discharge into the protected environment.

Work was undertaken 24 hours a day, 7 days a week to complete the piling and ensure that the tight deadline was met as the ships in Rotterdam were on equally tight schedules to depart.

Press Release

-2-

Taking just one month from start date to completion in MARCH 2010, the install was successful with the 1700 tonne crane now in place and already undertaking its many heavy lifts required to build Europe's largest gas fired power station.

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About BAUER Technologies Ltd

BAUER Technologies Ltd is part of BAUER Spezialtiefbau GmbH, a global construction company specialising in complex and specialist foundation works, with its head office based in the town of Schrobenhausen, Germany.

BAUER Technologies Ltd is the 100% owned UK subsidiary of BAUER Spezialtiefbau GmbH, the contracting company within the BAUER Group. BAUER is known the world over as a leader in advanced deep foundation techniques. Whether it is the manufacture of specialised equipment, giving specific advice or performing the site works, BAUER is highly regarded world-wide by both consultants and contractors as the perfect partner in deep foundation projects.

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