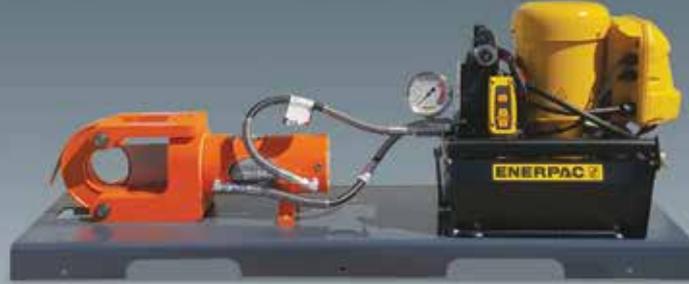




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project. A different lifting and rigging solution will take the weight of offload and installation at Borkum, which is one of the largest offshore power plants in Germany, with a capacity of 450MW, expected to supply electricity to nearly 500,000 households per year.

Baker concluded: "It has been fascinating to spend time at the Szczecin site and work with the great team there to consult on this below-the-hook application. The inverted solution was an effective way to utilize the four hoists on the crane and further innovation was demonstrated by the delta plates further down the rig. We are continuing to welcome greater demand from the wind energy sector and look forward to meeting many more challenges in the future."

Reid Lifting Customises Porta-Gantry for UAE Wastewater Plant

Reid Lifting, a manufacturer of light-weight gantry and davit cranes, provided a custom version of its 1,000kg capacity Porta-Gantry system to solve extreme headroom and other issues at a wastewater treatment facility in Ajman, United Arab Emirates (UAE).

Black & Veatch, an engineering, procurement and construction (EPC) firm,

and part of Ajman Sewerage's joint venture ownership, was tasked with finding a solution to lift 600kg blower motors free from acoustic housings for maintenance, repair, and replacement. Reid was approached and a site visit with local regional partner Tools Middle East revealed the complexity of the lift and the raft of alternative solutions that had been ruled out by personnel at the plant.

Nick Battersby, Managing Director at Reid, said: "It is testament to the strength of our global network that we are able to apply our engineering expertise and lifting solutions to diverse, niche applications like this. An [Ajman] engineer told us he had previously been presented with a number of alternative solutions, ranging in cost from £15k up to £75k, but they didn't have faith in utilizing a mini crawler crane, among other suggested methods. With some ingenuity we were able to provide a more viable solution at a fraction of the cost [approx. £4.5k]."

The project, located in Ajman, the capital city of the emirate of the same name, presented a number of challenges. The acoustic housing that surrounded the suite of half a dozen motors silenced the noise as the blowers,

manufactured by Dresser, pumped air into the sewage, but presented a conundrum in that only panels at the front and back could be easily removed and there was only 390mm of headroom between the motors' lifting point and the top panel of the enclosures. Further, the flooring was uneven and access was difficult.

Battersby recalled: "The motors were located on a plinth and we had to uti-

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Reid could take the beam to within a couple of millimetres of the top of the enclosure.