

Press Release

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Wall to Wall Success as BAUER Completes Works on ERF Newhaven Power

BAUER Technologies Ltd has successfully completed its ground engineering and construction work for the development of Veolia Environmental Services's Energy Recovery Facility, located in North Quay, Newhaven, which will generate electricity from the 210,000 tonnes of residual household waste produced in East Sussex and Brighton & Hove.

BAUER's site works on the project began in August 2008, having been sub-contracted by Hochtief following a successful tender, which included the submission of various different options and technical solutions to overcome the on-site issues.

Specifically, BAUER were responsible for the execution of a circular shaped diaphragm wall (thickness 800mm, depth 29m, pit diameter 52m) and foundation barrettes for the facility – the main building ultimately being constructed in the excavation pit. With its circular shape, the retaining wall is self-supporting and does not need any anchors or horizontal struts.

The diaphragm wall, which was completed 3 weeks ahead of schedule, has a perimeter of 170 linear metres and is constructed with 24 panels, each between 6.9m and 7.1m in length. The circular shape of the diaphragm wall was generated by arranging these 24 panels in a polygonal layout. In the corners of the polygon 24 precast stop end elements were installed in order to create a precise angle and a water tight connection between the panels. In each panel, 3 reinforcement cages were installed. Both the reinforcement cages and the precast elements were installed by connecting an upper and lower part to reach the depth of 29m.

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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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