

Company Profile



BAUER Technologies is the UK contracting arm of the BAUER Group. We perform deep foundation works on major projects in the UK. We specialise in the design and installation of large diameter piles, diaphragm walls, under-ream piles and in-situ piled retaining walls.

Core Competencies

- Large Diameter Rotary Bored Piling
- Secant Pile Walling
- Diaphragm Walling
- Geothermal Piling
- Underream Piling
- CFA Piling

BAUER Techniques

- Ground Anchors
- Ductile Piles
- Mixed in Place
- Jet Grouting

The BAUER name is synonymous the world over, with the highest standards in foundation engineering. By concentrating on our core competencies we are able to ensure we maintain these high standards in the UK. We specialise in major projects, value in excess of £500K, and technically complex projects.

All our piling and diaphragm walling equipment is manufactured by BAUER. This equipment is particularly suited to dealing with hard strata, including the removal of reinforced concrete obstructions where these obstruct the position of a proposed foundation.

As a wholly owned subsidiary of the BAUER Group we are fully supported by the technical departments of our parent company BAUER Spezialtiefbau (BST) in Germany, allowing access to additional rigs and specialist resources as well as enabling us to benefit from the latest improvements from BST's Research and

Development department. By maintaining close links with our worldwide network we are able to draw upon the full depth of BST's experience and engineering knowledge to develop the most innovative and cost-effective solution to our client's foundation problems.

RECENT PROJECTS:



1 Palm Paper Project, Kings Lynn

BAUER Technologies was successful in winning the contract for the piled foundations of Europe's largest paper machine. The scope of the project was to install a secant pile wall (hard/hard) and foundation piles to support the machine hall area to a design developed by BHM INGENIEURE Engineering & Consulting GmbH. The final value of the works performed by BAUER amounted to £4.4 million.



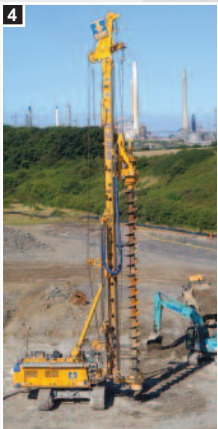
2 Waste to Energy Facility, Newhaven

BAUER Technologies executed a circular shaped diaphragm wall and foundation barrettes for the facility in Newhaven for Hochtief UK. Different options and alternative technical solutions were proposed and offered during the tendering phase before Hochtief, in joint venture with vonRoll (Switzerland), awarded the project to BAUER Technologies Ltd.



3 Severn Power CCGT, Newport

BAUER Technologies were awarded the £15 million contract for the piled foundations of the new Power Station which consists of two power generating units, each a variety of structures covering an area of 60,000sqm. The scope of the piling contract involved the construction of the piling platform, a preliminary pile testing regime, the erection of an on-site concrete batching plant, the installation of the piled foundations, comprising 439nr 620mm diameter bored piles, 426nr 880mm diameter bored piles and 711nr driven cast iron ductile piles.



4 Pembroke Power Station, Pembroke

BAUER Technologies completed the £5 million contract for the installation of the piled foundations at Pembroke CCGT. Each unit consisted of a variety of sub-structures covering a total area of 40,000sqm. The scope of the piling contract comprised the construction of the piling platform, preliminary trial bores to verify ground conditions and rock head level in the piling area, a preliminary pile testing regime including a fully instrumented test pile, construction of 2,307no. 600mm reinforced CFA piles, 421nr 900mm unreinforced CFA piles and installation of 10nr 1200mm diameter steel liners to 10m depth at the condensate pit, including all associated piling attendances.

5 Pembroke Jetty, Pembroke

BAUER Technologies completed these extremely complex works on a 50 year old jetty on the Severn Estuary at the site of the new 2000MW, Combined Cycle Gas Turbine Power Station, to support the Leibherr LGD 1750 and its 387.5 tonne superlift required for the safe off-loading of five 400-tonne turbines as part of the stations' construction. 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, 1220mm diameter casing (19mm thick) was fitted with BAUER spec cutting teeth to ensure penetration through the boulders.

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.



6 Tottenham Court Road Station Upgrade, London

BAUER Technologies are currently on site at the prestigious Tottenham Court Road station upgrade project working for Vinci Bam Nuttall Joint Venture (VBN).



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RECENT PROJECTS