

Project Data Sheet



Brinsworth Sub-Station

Brinsworth Sub-Station, Oil Containment Contract Number C09/05

Client:

National Grid
Century Way
Leeds

Contract Value: £1,132,000



Pipeline Installation

Scope Of Work

Contract was to provide a new oil containment drainage system to an existing live 400KV/275KV substation on the outskirts of Sheffield and Rotherham. Alpha Construction Ltd were employed to design and construct a new drainage system to provide the site with an up to date system which would prevent any oil or contamination from entering the surrounding environment.

The new scheme involved the installation of approximately 1000m of new gravity and pressure pipelines along with the construction of 7 new pumping chambers complete with Aqua sentry oil sensing pumps, 2 new class1 oil interceptors, up grading of 2 SGT bunds with removal of gravel and replacement with new GRP open mesh flooring also the upgrading of existing dump tanks with new oil sensors, pumps were installed within the SGT bunds and the dump tanks. Also several areas of at risk roads were constructed to provide defined safe areas in the event of any spillage for fuel and oil deliveries. All fuel and oil storage areas received

new waterproof bunds along with oil sensors and alarms.

Overall this was a successful contract delivered in a timely manner under difficult construction constraints around the existing substation working in and around the 400KV and 275KV live equipment ensuring that accidents and incidents were kept to a minimum, whilst also maintaining the quality and delivering the contract programme on time.