

## Richborough Power Station



### **Description:**

Demolition and strip out of a redundant power station in Richborough Kent

### **Client:**

Thanet off Shore

### **Location:**

Richborough, Kent

### **Value:**

xxx

### **Background:**

Constructed in 1962 as a 342mw coal fired station, Richborough Power Station utilised coal from the Kent coal fields. The station was, following a change in policy, converted to oil in 1971. Between 1996 and 2000 the station underwent an asbestos removal and partial demolition program; this included the removal

of all machinery and equipment associated with power generation.

The area remained largely vacant after 1996; however an area of land remained occupied by EDF Energy whom currently operates a live electrical sub station linked to an electricity distribution network.

### **Specification:**

- To Design and implement working procedures to allow the works to be carried out within 6m of a major live national grid 300mW sub station.
- Carry out a fully intrusive type 3 asbestos survey of the structures to be demolished, and deal with the removal of all asbestos based materials identified within the survey
- Liaise with utility suppliers to arrange and confirm isolation and termination services to the structures.
- Strip facade of 30m high Turbine Hall
- Carefully separate and demolish the canteen, office block, Transformer bays and switch rooms to top of slab level
- Break out hardstandings at Transformer Bays
- Break out foundations / pile caps to the Transformer Bays to a depth of 1.5m
- Removal of suspended slabs over the switch room basement
- Crush and stockpile concrete and hardcore arisings
- Backfill basement areas to an engineered specification

- Form a 4,200 m<sup>2</sup> pilling matt to facilitate the next phase construction work
- Re- clad the exposed separation point to match the existing building

### **Achievements and Successes:**

- Pre Contract team identified potential issues demolishing a structure, due to the potential weakening of a sheer wall as a result of earlier demolition works.
- We proceeded to add stainless steel tie bars to the wall 30m up from ground level giving it the reinforcement required to proceed without compromise to health and safety on site.
- Completed the contract on programme and to the clients satisfaction
- Zero accidents and working days lost

For more information, or to see details of any of our other completed contracts please don't hesitate to contact us on 01843 821 555. Alternatively visit our website to see an extensive project portfolio: [www.dds-demolition.co.uk](http://www.dds-demolition.co.uk)