

UK Power Station Modular Switchrooms

Switchgear Enclosures



4 Bespoke Modular Switchgear Enclosures for a UK Power Station

ADE were appointed by a leading global manufacturer of electrical control systems to design and manufacture 4 bespoke modular switchgear enclosures to house their control and distribution equipment for a UK CCGT CHP power station.

The scope consisted of an LV module, MV module, VSD module and a termination chamber. To accelerate programme delivery, ADE proposed a hybrid manufacturing strategy. While the VSD module was manufactured and fitted out in a traditional method, the remaining 3 modules were delivered utilising a "skid and lid" approach.

For the LV, MV and termination chamber modules, the "skids" (bases) and the "lids" (wall and roof assemblies) were fabricated and C5M-painted separately. Once complete, the skids were delivered to the client for installation of their switchgear and associated equipment, while ADE simultaneously fitted out the lids with lighting, small power, earthing, HVAC and other required auxiliary equipment. The equipped skids were then returned to ADE for final test fitting and quality checks prior to dispatch.

On site, the enclosures were positioned and installed ADE engineers, with the LV, MV and VSD modules combined into a single enclosure atop a 1.4m high galvanised substructure, complete with access platforms and stairs also supplied by ADE.

Following positioning and mechanical installation, ADE engineers also installed all the interconnecting cabling between the equipment housed within the 4 enclosures. The completed installation now provides secure, reliable housing for vital power control infrastructure supporting electricity generation at the facility.

Products:

- ◆ Switchgear Enclosures

Industry:

- ◆ Infrastructure

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