PROJECT FACT SHEET

Customer: Power and Water Corporation

Project: Channel Island Power Station (CIPS)

Project Profile: Nilsen were engaged to supply, install, test and commission the high voltage electrical, and low voltage control, communication, instrumentation and teleprotection equipment for the extension of the 132kV switchyard associated with the new gas turbine generator units 8 & 9 at the existing CIPS and Manton substation.

Nilsen Scope of Works:

- The civil works involved were site clearing, pits and conduits, earthing, etc.
- Electrical installation works included the part supply, installation and testing of the New protection, metering and control panels within the existing 132kV relay room.
- Modifications and additions to existing SCADA equipment.
- New 132kV voltage transformers and associated marshalling panels.

Project Challenges: The works were constructed adjacent to an operational 132kV gas insulated switchgear (GIS) substation and existing 132kV switchyard and as such stringent site specific safety plans and planning of construction works were imperative to a successful and incident free project.

Nilsen Innovations: A planned outage on the 132kV Manton line was required to relocate and reconfigure 132kV switchyard equipment in order to connect the 132kV Manton line at CIPS to the new Turbine units 8 & 9 busbar. Given the tight time frame and high expectation of working on critical infrastructure along with commissioning of other PWC Sites the project was delivered on time and budget.