



## IGCC Power Plant Magnum (1,200 MW) Eemshaven – Netherlands

**Order Description:** Electrical Installation in Premanufactured Containers  
**Client:** ABB  
**Volume:** 1.1 million Euro  
**Period:** 2011

- Scope of Work:**
- › Assembly of Diesel Containers
  - › Installation of Radiators and Exhausters
  - › Prefabricated Cables pulling and connection between the DCS Cubicles and the Marshalling Cabinets
  - › Internal Control Cables pulling and connection between Marshalling Cabinets and the following components:
    - MV-Cubicles, Type Unigear
    - LV-Cubicles, Type MNS iS System
    - Equipments pertaining to DC & UPS System
    - Generator Protection Panels
    - Generator Transformer & UAT Protection
    - Turbine Control Panel
    - Turbine Supervisory Instrument Panel
    - Turbine Local OPS Desk & Printer
    - AVR Cubicle
    - SFC Control Panel
    - 10/0,4kV Distribution Transformers
    - Synchr.Metering & Measuring Panel
    - High-Speed Transfer System (HSCOD) Type SUE 3000
  - Heat Recovery Steam Turbine (HRSG) Control Panel
  - Local CPFA Desk
  - DCS (Honeywell)
  - LV- Busduct extern
  - MV- Busduct extern
  - LV-Busduct internal
  - Marshalling Cubicles
  - › Internal Power Cables pulling and connection between the Cubicles and the Containers
  - › Installation of Fire Fighting System
  - › Installation of the Fire Alarm and Detection System
  - › Assembling of gantry towers and accessories (Surge Arrester tower, 380kV cable sealing end tower and Earthing switch tower)
  - › Installation and connection of rope from cable connection tower up to the Step-Up Transformer
  - › Installation of components, conduit and cabling for the Communication System