INP Reference

Lingen – Combined Heat and Power Plant

LOCATION: Lingen, Germany

SYSTEM/TECHNOLOGY: ABB Advant, ABB Melody

SERVICES: Production monitoring, Commissioning, Project management, Quality assurance, Site management, Documentation, As-built status and data recording, Pre-project planning and tendering, Basic-engineering and pre-engineering, Detail engineering, Installation supervision, Operations, Maintenance

INDUSTRY BRANCH/TYPE OF PLANT: Large Plants, Power Generation, Power plants

CLIENT: Alstom Power Mannheim, Germany, Alstom Power Baden, Switzerland, Alstom Power Windsor, USA

POINTS OF CONTACT



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Tasks

The combined heat and power plant at Lingen has a capacity of 876 MW and an efficiency of more than 59%, making it one of the most modern plants of its kind. The block comprises two gas turbines (GT 26), the exhaust gases from which are passed through a waste heat boiler. The steam this generates is supplied to a shared steam turbine.

INP services

- Installation management/installation supervision of the control systems
- Installation supervision of the boiler instrumentation
- Loop check
- Commissioning of the gas turbine and steam turbine control systems in ABB Advant
- Commissioning of the control system for the ancillary systems in ABB Melody
- Commissioning management of the control systems (hardware and software)
- Mechanical installation supervision of the steel fabrication
- Welding monitoring of the boiler
- Quality assurance/quality documentation
- Setup and safeguarding of the electrical power supply for building work
- System operations and maintenance