

BERTSCHenergy

Power plants
Process equipment

90
YEARS

TRADITION
QUALITY
KNOW-HOW
SINCE 1925

Combined Heat and Power Plant Daimler Sindelfingen

Reference Sheet



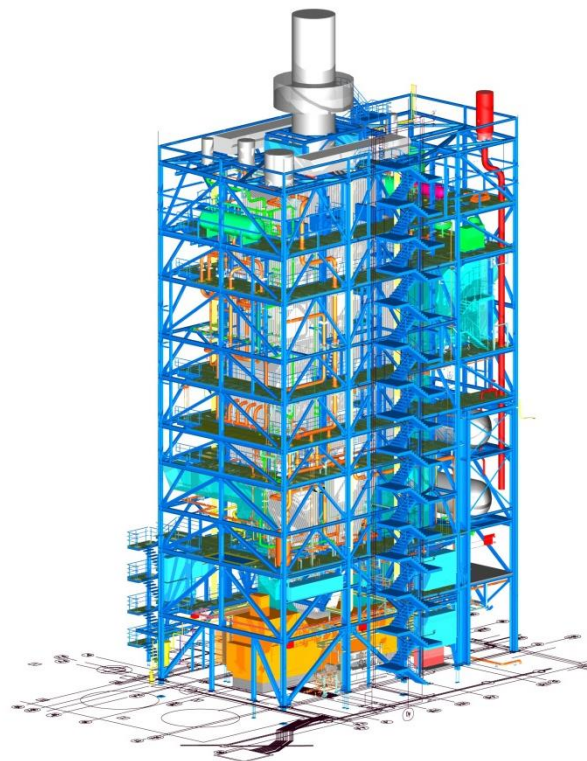
BERTSCH

TRADITION, QUALITY, KNOW-HOW. SINCE 1925

»HRSG (Heat Recovery Steam Generator) downstream a GE LM 2500+ (30 MWeI) gas turbine – Commissioning 3rd quarter 2013«

This system provides the Daimler location in Sindelfingen with electricity as well as steam for production processes and ambient heating. In addition, the thermal energy is fed into the district heating network of the Stadtwerke Sindelfingen utility company.

As the manufacturer of a comprehensive system, BERTSCHEnergy's task was to integrate the customer-provided gas turbine including auxiliary equipment into the new power house that stands 44 m tall. The system features a number of specific characteristics, including the positioning of the boiler above the gas turbine to achieve maximum space-saving capability as well as strong secondary firing capacity. Special challenges during the installation of the system included the initial concept for the gas turbine and power house, the logistics during installation and the integration of all systems into the existing plant.



TECHNICAL DATA

» MCR (HP)	98 t/h
» MCR (LP)	9 t/h
» S.H. steam pressure (HP)	120 bar
» S.H. steam pressure (LP)	16 bar
» S.H. steam temperature (HP)	530 °C
» S.H. steam temperature (LP)	220 °C
» Flue gas flow	87 kg/s
» GT outlet temperature	515 °C

SCOPE OF SUPPLY

» Disassembly of existing boiler
» Maintenance of remaining steel structure
» Foundation works, stair tower, buildings for gas compressor, transformer and E&C-systems
» Steel structure for boiler and boiler house
» Facade and HVAC-systems for boiler house
» Heat recovery steam generator
» Burner
» Piping
» District heat system
» Pumps
» Electrical, I&C

