

INP Reference

Planning services for gas engine plant and power plant buildings

LOCATION: Jena, Germany

SERVICES: Documentation, Basic-engineering and pre-engineering, Detail engineering

INDUSTRY BRANCH/TYPE OF PLANT: Power Generation

CLIENT: MAN Energy Solutions SE

ACTIVITY PERIOD: 2020-2022

Project description

The client is a municipal company for the supply of electricity, natural gas and district heating in the Free State of Thuringia. At the Jena-Göschwitz site, a gas and steam turbine combined heat and power plant („CCPP“) is operated.

In order to supplement the CCPP, the client intends to increase the combined heat and power share of the heat utilization by constructing a gas engine plant on the site of the Jena CCPP, consisting of five gas engines together with a gas engine operating building, as well as a pressurized heat storage plant. The gas engines and pressurized heat storage plant are intended to further increase the flexibility of the plant.

For our customer, MAN Energy Solutions SE, the experts of our subsidiary INP Croatia are taking over the planning services for the gas engine plant including the power plant building.

INP Services

- Design, modeling and visualization of the plant in AVEVA E3D:
 - Pipelines, pipe bridges & equipment
 - Cable trays & supports
 - Creation of material parts lists
 - Creation of isometrics including material extracts
 - Isometric representation of piping systems including the required support structures
- Cable planning
 - Cable calculation and cable dimensioning
 - Preparation of assembly plans
 - Creation of assembly typicals, sections, wall views
 - Creation of cable lists/circuit lists
- Lighting and emergency lighting
- Instrumentation

POINTS OF CONTACT



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