

GML Project IGNIS – Modernization of the Community Waste-Fueled Power Station in Ludwigshafen

LOCATION: Ludwigshafen, Germany

SERVICES: Pre-project planning and tendering, Basic-engineering and pre-engineering, Detail engineering

INDUSTRY BRANCH/TYPE OF PLANT: Power Generation, Waste incineration systems, Power plants

CLIENT: GML

Project description

GML operates the community waste-fueled power station in Ludwigshafen, which is now almost 53 years old. The main components, the three waste-fired boilers, were installed 25-30 years ago, forcing GML to ask itself if their continued operation makes economic sense. With the help of Project IGNIS (Latin for fire), this dilemma was finally resolved in mid-2017. Between 2019 and 2024, two of the three existing waste-fired boilers with roller grate firing are being replaced with modern waste-fired boilers using step grate firing. In an effort to extend the service life of the third boiler, several retrofitting measures are scheduled over time. To ensure that the three existing waste-fired boilers can continue to operate during the upgrade, a new boiler house will be built, in which the first new waste boiler will be constructed. When this is done, one of the existing waste-fired boilers will be shut down and dismantled, and the second new waste-fired boiler will be installed in its place.

INP Deutschland GmbH won the IGNIS project management contract for GML in an open requirement specification in July 2019.

The contract covers the following areas:

- Overall project management as well as project control of structural and process engineering
- Commissioning management
- Scheduling for the entire project
- Quality assurance with the Q7 system
- Assembly supervision mechanics and E-technology
- Interface coordination (suppliers, operation, authorities)
- Document controlling, documentation
- Inspection planning and coordination
- Review of the boiler design
- Detail planning and construction management for the individual system shutdown phases
- Preparation of electrotechnical and process control concepts
- Technical support for requirement specification and contract award procedures

POINTS OF CONTACT



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INP Reference

- General advice for the operator
- System planning electrical engineering (engineering)

This contract allows INP to showcase its long-term experience in the field of power generation, especially with inhomogeneous fuels. The project will benefit from INP's broad portfolio, its highly skilled engineering team, and its local proximity.