

Process Engineering and Electrical Engineering



Water
Environment
Civil Engineering
Informatics
Energy
Architecture

A fundamental goal of our specialist area, which specializes in the planning of technical equipment, is to achieve the greatest possible economic efficiency and operational reliability of the respective system technology with a high level of detail and interdisciplinary links to the engineering structure.

Because the traditional areas of emphasis were, above all, in Infrastructure, wastewater engineering and flood protection with energy production and distribution, the department was systematically expanded to cover tasks with great potential for innovation. The use of regenerative energy, especially heat and power cogeneration as well as power plants using photovoltaics, hydropower and biomass, has meanwhile become part of our project range, which also includes intelligent control and automation systems as well as complex process control and telecontrol systems.

This broad spectrum enables us to offer comprehensive advice, efficiency analysis and detail planning of complex plant technology with all the corresponding fields of specialty, from energy supply, switchgear, mechanical engineering, measurement technology and controls to monitoring and optimization of operations. We also handle related tasks that are significant for system operations, including lightning and surge protection or passive and active fire protection, in accordance with the current state of the art and the regulations.

In our planning team, specialists in electrical and automation technology work closely with process and mechanical engineers as well as specialists in technical building equipment in order to always provide the best possible competence for the respective task.

Services

- General plant engineering and construction
- Conception, planning and construction supervision of
 - Medium and low voltage distribution, Measurement, automation and control engineering, Building services engineering, Energy production and distribution, Air pollution control and emission protection, Lightning protection, equipotential bonding, Passive and active fire protection (PFP/AFP)
- Risk assessments and explosion protection concepts in accordance with the German Ordinance on Industrial Safety and Health

1 Waterwork Dreieich, Plant technology and operation

2 Pumping station Lützel, Koblenz