Energy and power plant technology
We turn major projects into successes. As experienced general contractors, we engineer and build flexibly applicable power plants and combined heat and power generation plants on the basis of gas turbines, gas and steam turbines, engines and boilers for different applications with fuels such as biomass, gas, coal and oil.

In the field of renewable energies, we are solar thermal power plant experts. Our thermal storage ensures that excess energy resulting from the combined heat and power generation process is stored and can be used later on demand. We have comprehensive abilities in the area of process technology for complete plants and cover engineering, realisation and project management across all installations.

From a single source, we reliably engineer, procure and construct piping systems for large conventional power plants and industrial plants in all pressure and temperature ranges. In doing so, we process all materials and cover all pressure and temperature ranges with our services.
Our solutions

The best power plant to meet your needs

The name Kraftanlagen stands for reliability and innovation in a constantly changing energy market. Our well-trained and committed employees, our flexibility and our experience make all the difference. We help shape the energy transition and have successfully developed into a specialist for piping systems in large power plants and a general contractor for quickly controllable power plants.

One of our strengths is the ability to keep developing intelligent solutions that meet the needs of our customers. After all, there is no such thing as a power plant “off the shelf”. We will provide you with the entire power plant from a single source. We engineer everything from design to implementation, procure all components and handle all aspects of the new construction or the modernisation – all the way to system check out with our own project management team. Independent of any supplier or process, we optimally implement plants that meet your needs.

The Kraftanlagen Group is a versatile partner for industry and the energy sector. We are covering the entire life cycle of plant technology. Our energy and power plant technology spectrum includes:

- Concept, Project Planning & Engineering
- Procurement, Supply & Fabrication
- Construction & Installation
- Commissioning
- Maintenance & Service
- Decommissioning & Dismantling
Innovative power plant designs

Fluctuations in the grid that occur more frequently due to the significant expansion of the use of renewable energies require a flexible power plant “fleet”. For modern power plants, it principally comes down to high control speeds, large load ranges and fast startup and shutdown times. We engineer and build efficient, environmentally friendly and future-proof plants.

Top quality with regard to budget and schedule: In Kladno near Prague, Kraftanlagen implemented a quickly controllable power plant block with combined heat and power generation and 150 MWel from engineering to handover in just three-and-a-half years.

Combined heat and power generation
No matter which fuel is used: Our plants use combined heat and power generation that achieve high degrees of efficiency by jointly generating power, heat and refrigeration.

Electrode boilers and thermal storage
The Power-to-Heat (P2H) process is very well suited for stabilising the grid. Cheap power that is available as a result of overproduction can be stored in our district heating storage system quickly and efficiently by using our electrode boilers.

Solar thermal power plants
Kraftanlagen München has its own process with an open volumetric receiver and air as the work medium. It is inexpensive, environment-friendly and, thanks to our storage technology, supplies power and heat from solar energy – highly flexibly and on demand.

Biomass heating power plants
Our biomass power plants and heating plants, which are fired with renewable fuels, provide CO₂-neutral power and heat regardless of the weather.

Waste incineration plants
Our range of services includes the water-steam cycle including all auxiliary systems as well as process and district heating extraction. We integrate new buildings into the infrastructure of existing power plant sites and modernise existing plants during ongoing operation.

Europe’s most modern gas engine heating power plant is being built here
A combination of twenty 10-MW class gas engines, like the ones we are installing in the Kiel gas engine heating power plant by the end of 2018, provides maximum flexibility and plant efficiency. The power plant can be started up from 0 to 190 MW of electrical power performance in less than 5 minutes. A thermal storage system in combination with a power-to-heat plant provides additional flexibility. The project is exemplary for its use of highly efficient combined heat and power generation.
Product ranges of the Kraftanlagen Group

Energy and power plant technology
- Decentralised power generation
- Underground piping systems
- Nuclear technology
- Industrial plants
- Utility services
- Fire protection
- Engineering
- Fabrication
- Welding and testing technology

Contact
Florian Hering
T +49 89 6237-157
florian.hering@kraftanlagen.com

www.kraftanlagen.com
A company of the Alpiq Group