

ENGINEERING: power generation

To ensure a long-term supply of energy, there is a considerable need to expand existing power plants and plan new ones. The estimated replacement and expansion requirements are approximately 400 to 500 GW.

As a result of the debate on climate change and the increasing scarcity of previous energy sources, new technologies are being developed in order to make power plants more efficient. In this respect, technological development for the expansion of renewable energies is also becoming increasingly important.



Our technical competence in power plant design is based on the extensive experience of our employees. For the power generation sector, a special department was set up back in the 1970s for the purpose of carrying out piping design and static/dynamic system calculations for nuclear power and fossil power plants.

Some of our employees who planned components for the first generation of nuclear power plants are now applying their valuable experience to expansion & revision projects.

we focus on:

- Project engineering
- Plant design
- Component processing
- Piping design
- Pipe system calculation
- Supervision of plant construction
- Start-up of systems

ENGINEERING: power generation

references:

**Conventional power plants
Nuclear power plants**

<i>client</i>	<i>location</i>	<i>activities</i>
ALSTOM Power Generation	Mannheim	turbine part design, sewage sludge combustion
ALSTOM Power	Nürnberg, Stuttgart, Butzbach	power plant design, flue gas dedusting
AREVA / FRAMATOME	Offenbach, Erlangen	power plant design & calculations
BABCOCK Borsig Power	Osterode, Oberhausen	power plant design boiler house, Denox
BBP Service Steinmüller	Gummersbach	power plant design
BEWAG	Berlin	power plant design, flue gas desulfurization
BHR Essener Hochdruck	Frankfurt	power plant design & revisions
DAVY Power	Frankfurt	KW Buschhaus plant model & design
HITACHI Power	Oberhausen	general arrangement plans for REA
KRAFTANLAGEN	Heidelberg, München	power plant design & revisions
KREMSMÜLLER / Siemens	Linz / Wien	detail engineering of piping systems for KW Timelkam
LAHMEYER International	Bad Vilbel	leading and power plant technology
LURGI	Frankfurt	power plant design: electro filter, flue gas purification, flue gas blower house & -channels
LURGI Lentjes	Düsseldorf	power-TWS-plant design, project engineering & plant start-up service
Mannesmann Seiffert	Berlin	power plant design
SIEMENS AG	Offenbach, Erlangen	power plant design, project engineering & processing

ENGINEERING: power generation

references:

Conventional power plants

We have performed different activities for the following power plants:

<i>conventional power plants: projects</i>	<i>location</i>
KW Reuter	Berlin
KW West	Berlin
KW Lichterfelde	Berlin
KW Moabit	Berlin
KW Ruhleben	Berlin
KW Niederrad	Frankfurt am Main
KW Mitte	Frankfurt am Main
KW Nordweststadt	Frankfurt am Main
KW Großkraftwerk	Mannheim
KW Römerbrücke	Saarbrücken
KW Timelkam	Österreich
KW Moerdijk	Holland
IHKW Industrie HKW	Andernach
KW Suez	Ägypten
KW Buschhaus	Helmstedt
KW Peterhead	Schottland

ENGINEERING: power generation

references:

Nuklear power plants

nuclear power plants: projects

KKW Biblis	KKW Mülheim-Kärlich
KKW Brokdorf	KKW Neckarwestheim
KKW Brunsbüttel	KKW Obrigheim
KKW Emsland	KKW Philippsburg
KKW Grafenrheinfeld	KKW Würgassen
KKW Grohnde	WAA Wackersdorf
KKW Gundremmingen	THTR Schmähungen
KKW Isar	KKW Gösgen, Schweiz
KKW Kahl	KKW Ringhals, Schweden
KKW Krümmel	KKW Olkiluoto 3, Finnland
KKW Lingen	