



STEAG Technischer Service GmbH

Service provider for electrical grids and systems

Having been involved in electricity and heat production for more than 75 years, STEAG can draw on extensive expertise for power generation plant and equipment, electricity systems and industrial plants. Our portfolio of services brings to bear the experience and know-how gained in the technical management of STEAG's own sophisticated plants for the benefit of our clients.

From conventional power plants through plants under the German Renewable Energy Act to industrial plants and networks:

STEAG Technischer Service has many years of operating experience with its own electrical systems and grids.

On this basis we can offer you, as a network, grid or system operator, customized and full-service solutions in the field of electrical services – from engineering and construction up to operation and maintenance.

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Services for electrical grids and systems

Our range of services in detail

The range of services offered by STEAG Technischer Service comprises services in the fields of operation and maintenance, consulting and support, analyses of electrical grids and components, systems and energy supply systems, protective systems, and special infrastructure services for plants under the German Renewable Energy Act.

- **Engineering and construction of MV and LV networks and energy supply systems**

- **Operation and maintenance of**

- HV, MV and LV networks and energy supply systems, switchgear, transformers, cables and overhead lines
- Instrumentation and control, telecontrol and communication systems

- **Data management and market processes**

- Remote meter reading
- Data management
- Customer transition processes
- Business processes for balancing group settlement for electricity
- Settlement services

- **Design calculation, conceptual engineering and testing of protective systems**

- Network protection
- Generator protection
- Transformer protection
- Motor protection

- **Analyses and diagnostics of energy systems and networks**

- Energy, network, quality measurements
- Thermography
- Partial-discharge measurements on MV cables
- Transformer diagnostics

Operation management

STEAG Technischer Service performs commercial and technical operation management for owners/operators of electrical grids and networks and distributed CHP plants all across Germany:

- **Commercial**

- Energy data management/handling of business processes for the supply of customers with electricity (customer transition processes)
- Handling of processes under the German Renewable Energy Act (EEG)
- Balancing group/operating schedule management
- Balancing of excess/shortfall quantities
- Meter reading data collection and remote transmission
- Operation of measuring points

- **Technical**

- Development and project planning
- System calculations
- Maintenance of HV, MV and LV networks and systems
- Engineering and construction of HV, MV and LV networks
- Business and investment planning
- Measuring services
- Fault clearance service
- 24/7 hotline

STEAG Technischer Service – Your expert service provider for electrical grids and systems