

Our services for project developers and plant operators

FGH GmbH - Energized by experts.

Planning and engineering of electrical layouts, configurations and components, e.g.

- Reactive power analysis
- Dimensioning of cable sizing
- Specifications for transition stations and substations
- Calculation of short-circuit current (IEC 60909)
- Layout and assessment of protection concepts and protection settings
- Calculation of energy losses
- Harmonic analysis, filter dimensioning
- Evaluation of control and communication concepts
- Technical due diligence
- Evaluation of electrical configurations (prototypes) (VDE-AR-N 4110/4120/4130)

Support for grid code compliance certification

- Grid connection assessment and compliance analysis according to international grid codes and standards
- Plant assessment according to project-specific requirements

On-site inspection and functional testing

- Commissioning protocols for generating plants and prototypes (FGW-TR8; VDE-AR-N 4110/4120/4130)
- Testing of protection devices for generating units and plants
- Inspection of control and communication devices
- Recurring inspections (conformity declarations, protection testing, etc.)
- Grid analysis
- Power quality measurements (flicker, harmonics, etc.)
- Evaluation of disturbance recording

Customized in-house workshops

Expert and court reports

