

Our services for manufacturers

FGH GmbH - Energized by experts.



Technical consultancy

- Support and consultancy for customized developments
- Customized product consultancy
- Development measurements (in-house or external)
- Programming of PLC (Programmable Logic Controller)

Prequalification for grid integration

- Analysis and monitoring of individual target markets
- Specific grid code analysis
- Identification of market-specific requirements
- Development of testing procedures
- Modeling and validation of simulation models
- Implementation of simulation models
(in PowerFactory, MATLAB, PSSE, PSCAD)
- Simulations and studies for grid integration

Qualification for conformity verification

- Process organization and project management
- Training courses (in-house and external)
- Testing facilities in Aachen laboratory for grid integration
incl. LVRT/HVRT testing container and grid simulator
- Type testing according to international standards
(WEC & PV converters, storage systems, CHP, etc.)
- Model validation according to established standards
- Document management incl. checklists and templates
- Optimal support for grid code compliance certification

LVRT/HVRT test systems

- Feasibility studies for customized test systems
- Engineering incl. conceptual design of FRT test systems
- Maintenance and servicing

