

# Service provider for electrical grids and systems

Having been involved in electricity and heat production for more than 75 years, Iqony 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 Iqony'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: Iqony has many years of operating experience with 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.

In addition, we also provide special services for power generation plants under the German Renewable Energy Act. The range of services offered by Iqony 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

### Design calculation, conceptual engineering and testing of protective systems

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

### Fiber-optic and telecommunications copper cable networks

- Planning, installation and maintenance
- Fault locating and quality measurements
- Support, new construction and modification of tele communication systems
- Fault clearance services (also 24/7)
- Handling of building applications and instruction of third parties

### Data management and market processes

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

## Contact persons

Dieter Koschinski  
Energy Facilities North  
P +49 201 801-2523  
dieter.koschinski@iqony.energy

Iqony Technischer Service GmbH  
Ömer Camkerten  
Energy Facilities South  
Straße des 13. Januar 376  
66333 Völklingen, Germany  
P +49 681 9494-2736  
oemer.camkerten@iqony.energy

### LAN networks

- Planning, installation and maintenance
- Fault locating and quality measurements
- 24/7 monitoring and fault clearance services

### Telecontrol systems

- Planning, installation, monitoring and maintenance of telecontrol installations for switchgears and substations for local networks
- Network control of high, medium and low voltage networks
- Monitoring of PV installations and wind power plants
- Fault clearance services

### Analyses and diagnostics of energy systems and networks

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

## Operation management

Iqony 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
- Construction of HV, MV and LV networks
- Business and investment planning
- Measuring services
- Management of renewable energy curtailment
- Fault clearance service
- 24/7 hotline