

# Services for Power Generation and Grid Technologies

- Modeling
- Product Development and Pre-Qualification
- Operational Notification Procedure
- Support on Grid Connection Certification



## Contact

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## Services for Power Generation and Grid Technologies

### Modeling

- of
  - power generation units/facilities
  - battery storage systems
  - electrolyzers
- Implementation of RMS/EMT simulation models (in PowerFactory, MATLAB, PSSE, PSCAD)
- Validation and plausibility checks of simulation models
- Accurate representation of the unit/facility behavior
- Aggregation of simulation models

### Product Development and Pre-Qualification

- Monitoring of international grid codes/standards
- Grid code analysis
- GAP analysis (products compared to corresponding grid codes)
- Preliminary compliance checks via test/simulation data

### Operational Notification Procedure

- Support for obtaining interim and final operational notifications (ION/FON)
- Test reports of compliance testing
- Grid studies for operational notification procedures

### Support on Grid Connection Certification

- Targeted process and project management
- Trainings and workshops (in-house/external)
- Document management incl. checklists and templates
- Customized test plan development