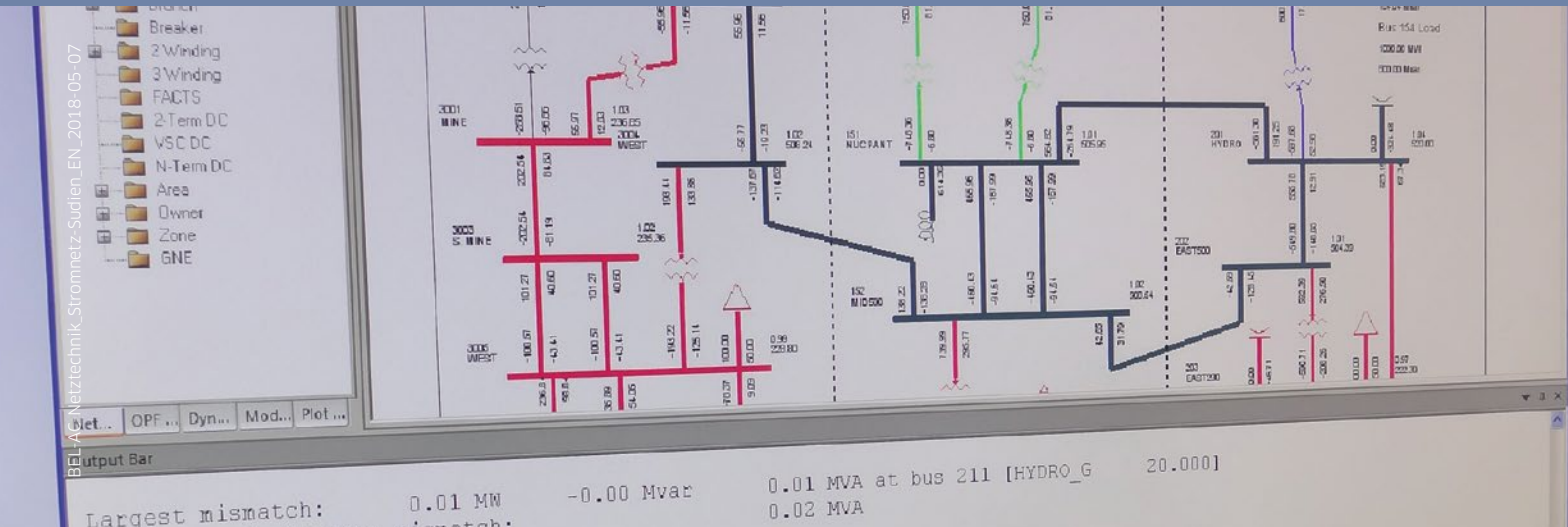


You can benefit from our solid experience in providing engineered power system services in more than 300 national and international projects within the field of Power Plant Construction.

**Contact us:**

+49 (0)9385 9804-5300  
info@belectric.com

# Electricla Grid Studies



## Expert evaluation of the current state of your grid and planning for the future.

When you work with BELECTRIC GmbH, you take advantage of a team which has the ability and hands on experience to work with you in order to determine how to best prepare your grid for the future, helping you to best determine what is the most efficient and technically effective way to develop your electrical system and to add new elements to the existing system ensuring a safe and reliable operation that is also financially feasible given your requirements. Working with BELECTRIC GmbH, you can also determine the most efficient and reliable way to plan your electrical system, making sure that you comply with the requirements and standards of the industry and country you are in.

### Our services in the area of electrical studies include:

- Grid compliance evaluation of connection schemes for generation plants
- Load flow evaluation of electrical systems
- Contingency studies of the electrical systems
- Short circuit calculations
- Calculation of the active and reactive power (P-Q) curves of renewable energy power plants
- Voltage quality analysis taking into account harmonic content and flicker analysis
- Electrical protection device coordination and settings studies
- Grounding grid design and evaluation calculations according to IEEE-80 and IEC 60479
- Dynamic performance evaluation of electrical grids (Voltage ride-through, power step response and motor starting studies)

### Working with BELECTRIC GmbH you can enjoy the advantages of:

- ✓ The flexibility to adapt the methodology of study to the goals of the client
- ✓ A team that has the hands on experience as well as all the tools to solve any problem
- ✓ Direct contact to manufacturers ensuring the best and most current information and technical data
- ✓ A multicultural team with experience working in all types of international markets
- ✓ Use of the most recent version of the some of the best computational tools for the study you wish to perform
- ✓ Fast delivery of results, taking into account your needs
- ✓ The track record and experience of over 200 plants installed around the world

### Contact us:

BELECTRIC GmbH, Wadenbrunner Str. 10, 97509 Kolitzheim  
+49 (0)9385 9804-5300 info@belectric.com

