Power Systems Consulting
Committed to your success
Who we are...

The Power Systems Consulting team at ABB provides novel approaches and solutions to electric utilities, system operators, independent power producers, and industrial electric users worldwide.

We offer a wide range of consulting services in the areas of transmission systems, HVDC, FACTS, system controls, energy efficiency, power market analysis, asset evaluation, industrial systems, and equipment selection. Combined with years of experience and state-of-the-art technology, ABB’s internationally recognized team of consultants will help you to develop and optimize your electric system to reach your desired level of performance.

What sets us apart...

Lifecycle Solutions
Combined technical and economic analysis from project development through system optimization. We are unique in that we understand not just your power system however, the economic implications of recommended decisions.

Application Experts
Leading OEM with an extensive portfolio of power solutions. Knowledge of not just our solutions but of our competitors as well allows our experts to make the best application recommendations regardless of solution provider.

Quality Results
Detailed results that leverages our decades of experience. We pride ourselves of doing a quality job as we are committed to our customers success. Everyone of our projects is important to us and our well-known reputation will prove it.
Experienced world-wide resources

The Power Systems Consulting team at ABB provides services worldwide.

- Germany
- United States (New York)
- Spain
- Kazakhstan
- United States (North Carolina)
- India
- Brazil
Solutions to consider

Transmission System Studies
- Planning of bulk transmission systems
- System impact studies
- Reliability analysis and improvement
- Equipment design and specification including HVDC and FACTS
- Renewables integration
- Voltage stability and transient analysis

Power Market/Economic Analysis
- Energy market simulation and analysis
- Economic benefits and justification
- Risk assessment
- Energy and ancillary services co-optimization
- LMP and price forecasting

Asset Evaluation and Systems Analysis
- Centralization and integration of asset data
- Monitoring and control of system health
- System planning and risk analysis
- Condition management and maintenance prioritization
- Advise on investment decisions

Industrial System Studies
- Reliability analysis
- Flicker evaluation and mitigation
- Switching surge studies
- Harmonic analysis and filter design
- Relay coordination

Equipment and Technology Selection/Design
- HVDC and FACTS
- Cables
- Transformers
- Switchgear
- Substation equipment