
POWER GENERATION SERVICE

ABB Power Generation Care

Service solutions that improve plant performance



Get the most out of your plant, people and production process.

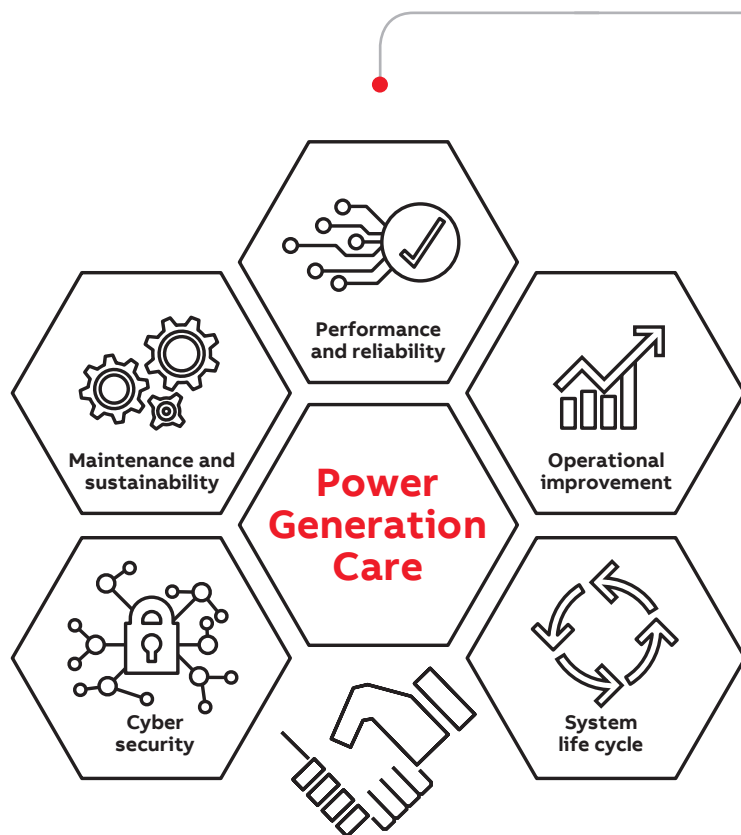
ABB Power Generation Care is a complete service offering that raises the performance of the plant's automation and electrical assets, its operations and maintenance staff, and the production process during the life cycle of the facility.

Power plants have three service needs in common: day-to-day maintenance, performance optimization and lifetime extension. Power Generation Care is designed to fulfil these three common needs, regardless of plant application or location. It covers the entire portfolio of ABB products and systems for power generation facilities including distributed control systems, instrumentation and electrical balance of plant.

Our life cycle approach to plant and fleet service

- Improves plant performance and reliability
- Extends asset and plant operating life
- Protects equipment and intellectual investments
- Brings budget stability and predictability
- Supports maintenance, engineering and operations staff

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Cyber security

Power Generation Care includes an integrated suite of security applications and tools for assessing and strengthening DCS cyber protection. These include fingerprinting to gauge the ability of the DCS to withstand attack; patch delivery to evaluate all software updates from Microsoft and other vendors for relevance and system compatibility; application whitelisting to ensure that only approved software and processes are allowed to run; and file sanitization to minimize the risk of introducing an infected file into the control system.

Maintenance and sustainability

Power Generation Care has the flexibility to meet the maintenance and budget requirements of plants with very different needs. Some plants may have 15 or 25 years of production left and be committed to life cycle management. Others may have only 2 or 3 years of life remaining and be running on a 'fix it only when it breaks' basis. Our service strategy and maintenance kits are designed to take advantage of planned plant outages.

Performance and reliability

Some power generators want to maximize output, others want to ensure reliability. Power Generation Care delivers on both fronts by helping you get the most out of your plant, people and process. Through fingerprinting and benchmarking we help you identify which parts of the process are most at risk or which categories of staff are most in need of skills improvement.

Operational improvement

Power Generation Care includes solutions for the optimization of the plant's automation and electrical assets and the production process. These range from continuous monitoring of turbines, rotating machinery and other critical equipment to identifying the first signs of equipment degradation or deteriorating plant performance.

System life cycle

Distributed control systems thrive on life cycle management and long-term service plans that evolve the system in small, incremental steps. Regular scheduled upgrades enable the DCS to run optimally and keep up-to-date with the latest technologies and functionalities. This takes the guessing out of cost control and brings budget stability and predictability.

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