

Water industry service

ABB Water Care

Service solutions that improve plant performance



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

ABB Water 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.



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 plant operations and engineering staff





Life cycle service solutions for water plants

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

Cyber security

Water Care includes an integrated suite of security applications and tools for assessing and strengthening control system cyber protection. These include fingerprinting to gauge the ability of the control system 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

Water Care has the flexibility and scalability to meet the evolving needs of the plant, as new technologies are introduced or additional capacity added. It also meets the maintenance and budget requirements of plants with different needs. Some plants may have 15 – 25 years of production left and be committed to life cycle management. Others may have a limited 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

Whatever the type of feed water – sea, waste or raw – plant owners have to process it: safely, reliably and with minimal energy consumption. Water Care delivers on all three 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

Water Care includes solutions for the optimization of the plant's automation and electrical assets and the production process. These range from continuous monitoring of rotating machinery and other critical equipment to identifying the first signs of equipment degradation or deteriorating plant performance. Our control systems support the plant's objectives to meet regulatory requirements and ensure that the water is consistently at the required standard.

Life cycle management

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 control system 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.

For more information, please contact:

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Process Automation – Power Generation & Water
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