Service for offshore installations
Commitment to ultra-stringent safety standards
Customer-oriented service concept

Our service specialists are trained to ensure the most stringent of offshore safety standards. Quality stipulations, occupational health and safety, plus integrated management processes, are subjected to continual monitoring.

The avoidance of CO2 is one of the paramount goals being targeted in this century. Worldwide, there are ambitious targets in place for this purpose: one option is increased utilisation of renewable energies for generating the requisite energy. And one of the most promising energy sources available is offshore wind energy.

Operation and maintenance of offshore links or offshore substations require specialised service packages. We have synergised our corporate capabilities to create a full coverage service package for offshore links, particularly for energy transmission based on HVDC technology from large wind farms. In the offshore service operation, the platform and the building, the HVDC-converter/AC and DC cables are the direct responsibility of a Service Manager. Maintenance work is carried out by offshore-qualified service technicians and engineers.

Our capabilities cover operation, inspection, telemonitoring, maintenance and repair work, all the way through to modernisation and retrofit jobs on components and systems of the offshore link between the offshore wind farm and the onshore transformer substation.
System service for offshore network links
For maintenance work on offshore network link systems and offshore substations, ABB offers individually tailored service packages responsively customised so as to ensure high dependability for the system concerned. The first step towards implementing an optimised maintenance strategy begins with itemising and structuring the equipment concerned in a maintenance management system.

An optimised maintenance strategy is vital for maximised availability

Maintenance concept
ABB’s maintenance concept is subdivided as follows to reflect the functions of the systems and components installed:

– Operationally relevant systems
  Systems and components that are directly necessary for the process concerned, such as the primary and secondary systems of the substations.

– Safety-relevant systems
  Systems and components that are important for the safety of the offshore substation and the personnel on board, such as fire protection and rescue Systems.

– Structurally relevant components
  Components that are required for the stability of the offshore substation and for achieving the requisite useful lifetime.

– Amenities for personnel
  Amenities that ensure appropriate comfort for the personnel working at the offshore substation.

These modules are incorporated into a customised maintenance strategy.