

HVDC Care life cycle management

Support throughout the entire system life cycle



Today's increasing demand for availability, efficiency and capacity means power systems operating with earlier generations of technology in time will fall short of new requirements.

ABB can help solve this challenge with a portfolio of upgrade and retrofit solutions, including consulting and engineering activities at all stages of a stations life cycle.

The life cycle management model divides a product's life cycle into four phases: active, classic, limited and obsolete. Each phase has different implications for the end user in terms of services and support needed.

In the "active" phase, the end user benefits from warranty options and a full range of life cycle services, spare parts and maintenance materials.

Transition to the classic phase depends upon economic and technological factors. During the classic phase, the product can still take advantage of life cycle extensions and is fully supported. In this phase end users may start to evolve to new technology with ABB support using upgrade and retrofit solutions, to improve asset performance and extend product life cycle. The classic phase ends when production

of a particular product ends, at which time the limited phase starts. Before the end of the classic phase, a notice that the product is entering the limited phase will be distributed.

In the limited phase, new hardware is no longer being manufactured, but hardware availability will continue for a certain time. Availability of new hardware is not guaranteed. Delivery times for some spare parts are just a matter of days but obsolete parts may take longer, and from a long-term perspective, main equipment replacement is also usually available. ABB provides a spare part management service including inventory analysis to secure priority access to critical spare parts.

ABB distinguishes four phases in the life cycle of a product:



Benefits of life cycle management

Product life cycle management maximizes the value of equipment and maintenance investments by:

- ensuring spare part and competence availability throughout the entire product life cycle
- enabling efficient product support and maintenance for improved reliability
- providing a smooth transition to new technology at the end of a product's life cycle
- helping the end user decide when an upgrade, retrofit or replacement is necessary

Contact us

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