

ABB Ability™ Life-Cycle Assessment

Smart maintenance, maximum fleet performance



ABB Ability™ Life-Cycle Assessment provides detailed plans about how installed motors and drives should be maintained and modernized to achieve uninterrupted reliability with optimized efficiency. The service is supplied with powerful database tools to combine all registered information about individual assets with maintenance manuals, parts and service offerings.

Know the facts

ABB Ability™ Life-Cycle Assessment provides efficient tools to collect, analyze and identify the current status of your fleet. The service provides information about asset, technical characteristics, criticality, usage, location, environment, maintenance history, and much more. This information, combined with systematic fleet management, helps you to identify the life cycle needs of each individual drive and motor.

Make the right choices

The service provides you with a recommended life-cycle plan report, indicating the life-cycle status for each asset with criticality information. It includes recommendations for spare parts, upgrades, retrofits and replacements, and also assigns maintenance priorities. Besides the default plan, an ABB expert is available to consult and help to build a tailored maintenance plan that meets your requirements.

Execute efficiently

ABB Ability™ Life-Cycle Assessment includes many useful features to activate life-cycle plans, such as tools that can identify necessary spare parts for maintenance as well as indicative pricing information for these parts. This helps eliminate errors and prevent miscommunication when the plans are implemented.

Key benefits



Higher uptime

The life cycle assessment takes the criticality of the drives and motors into account and highlights the assets which require attention to avoid unplanned downtime.



Optimized service budget and schedule

The maintenance actions for an entire fleet of motors and drives can be planned in advance, resulting in less interruption to the production process and fewer expensive reactive repairs.



Empowered decision making

Detailed knowledge about the status of the fleet of drives and motors enables you to make informed decisions about maintenance priorities and investments.

ABB Ability™ Life-Cycle Assessment process



Asset registration

All drives and motors are registered to the ABB Installed base. This information can be collected from the customer's fleet management system or from the site as part of the service.



Customer, site and location details

One important aspect of the Life-Cycle Assessment is to ensure that the asset's physical and functional location is correctly documented, possibly with details about the application or process included. This assessment may also include information about the location condition that is relevant for maintenance.



Asset details

Each asset is systematically organized in defined locations with documented information about technical specifications, operative status, criticality in the process and associated applications.



Service history

Starting from the date of commissioning, each asset's service history is reviewed. This is based on the information registered in the installed base or data provided by the owner of the fleet.



Maintenance and modernization plan

Based on the service history and asset details, the five-year maintenance plan is projected according to defined instructions by ABB factories. The plan includes references to specific maintenance and modernization services, covering many cases that also required spare parts and labor.



Editable standard reports

The plans are delivered in fully editable formats, so that information can be easily used in presentations, planning, scheduling, budgeting or when ordering spare parts.

For more information, please contact your local ABB representative or visit:

new.abb.com/service/motion/data-and-advisory-services

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