

ABB MOTION SERVICES

# ABB Ability™ Life Cycle Assessment for drives

## Smart maintenance, maximum fleet performance



ABB Ability™ Life Cycle Assessment provides a comprehensive overview of each drive's life cycle, as well as the operating conditions of all drives, within your facility. Maintenance for an entire fleet of drives can therefore be planned in advance, optimizing the service schedule and budget, and ultimately increasing production uptime and productivity.

### Know the facts

ABB Ability™ Life Cycle Assessment provides efficient tools to collect, analyze and identify the current status of your fleet of drives. The service provides information about each drive's 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.

### Make the right choices

The service provides you with a recommended life cycle plan report, which shows every drive's status, the current phase of its life cycle, and their criticality. It includes recommendations for spare parts, upgrades, retrofits and replacements, and also assigns maintenance priorities. Additionally, 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.



### Higher uptime

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



### Optimized service budget and schedule

The maintenance actions for an entire drive fleet 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 enables you to make informed decisions about maintenance priorities and investments.

# ABB Ability™ Life Cycle Assessment process



## Drive registration

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



## Choose the level of analysis that meets your requirements

### LCA Light - for generic fleet analysis

All relevant information about the fleet of drives is combined, including detailed service history, site details and typical use of the drives. This is complemented by the ABB drives technical and service databases, and the user's own insight, and is then analyzed by algorithms to create recommended life cycle plans. This level of analysis can be done based on recorded information and may not require any site visits.

### LCA Full - for individual drives analysis

For truly comprehensive life cycle assessments, ABB experts will make an on-site visit to perform drive criticality studies, make observations about the site environment, process and usage conditions, technical validation, and much more. All these are done according to standardized processes to ensure high quality and consistency of input data.



## Life cycle plan report

With both levels of analysis, you will receive a professionally built fleet life cycle report. The findings of the report are prepared in a fully editable format, so that you can easily use the data in your own presentations, planning, scheduling, budgeting, or even when ordering spare parts.

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

[new.abb.com/drives/services/maintenance/ABB-Ability-life-cycle-assessment](https://new.abb.com/drives/services/maintenance/ABB-Ability-life-cycle-assessment)  
[www.abb.com/searchchannels](https://www.abb.com/searchchannels)

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