

SERVICE NOTE

ABB Ability™ Life Cycle Assessment for induction motors



ABB Ability™ Life Cycle Assessment provides a comprehensive overview of the life cycle state and operating conditions of all the motors throughout a facility. Maintenance for an entire motor fleet can be planned in advance, optimizing the service schedule and budget, and ultimately increasing production uptime.

Mitigate life cycle management risks

Not all the motors in a plant require the same kind of attention. Different life cycle phases, different operating conditions and the criticality of the application influence the actual maintenance needs.

The ABB Ability™ Life Cycle Assessment service takes all of this into account to recommend the appropriate maintenance actions for each motor to ensure uninterrupted operation.

Informed life cycle assessment report

ABB experts map and assess all motors based on age, criticality of application, operating environment, business impact and service history.

A detailed life cycle assessment report shows the motors' status, life cycle phase and criticality. It includes recommendations for spare parts, upgrades and replacements and assigns maintenance priorities.

With ABB Ability™ Life Cycle Assessment all information needed to plan maintenance for an entire motor fleet in advance, is readily available. This optimizes the service schedule and budget, and ultimately increases production uptime.

Benefits

• Higher uptime

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

• Optimized service budget and schedule

The maintenance actions for an entire motor fleet can be planned in advance resulting in less interruptions to the production process

• Empowered decision making

Detailed knowledge about the status of the motor fleet enables informed decisions about maintenance priorities and investments

ABB Ability™ Life Cycle Assessment process



Product registration

Before any assessments can be done, assets to be assessed need to be registered in MyABB (myportal.abb.com). During registration, the asset criticality is defined and customer identification and application data are entered.



Creation of life cycle inventory

A local ABB technician carries out an on-site appraisal of the motors and collects all data including age, location, business impact, operating environment and service history.



Analysis of life cycle impact

ABB's extensive domain knowledge and experience is utilized in the analysis of the gathered data to produce a comprehensive picture of the risk and criticality of the technical infrastructure.



Assessment and recommendations

ABB provides a detailed report on the status of the motors. The report highlights critical assets requiring attention and includes recommendations on maintenance priorities, spare parts, upgrades and replacements.



Planning of maintenance activities

The ABB Ability™ Life Cycle Assessment report provides the information needed to plan future investments and maintenance activities better, along with the related schedules, budgeting and execution.

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

new.abb.com/motors-generators/service

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