

Service note

Medium voltage drives preventive maintenance For optimized performance and extended lifetime



Drives preventive maintenance program

ABB recommends maintenance for MV drives throughout their life cycle in order to ensure maximum availability and to eliminate unplanned repair costs. As such, ABB recommends a preventive maintenance program for its MV drives which aims to increase reliability, optimize performance and extend lifetime.

Drives life-cycle management model

ABB has created a life-cycle management plan for ABB drives products and systems in order to provide customers with the best possible return on their drives assets. This plan covers the entire life cycle and is based on ABB's extensive experience in drives technology.

The platform for the drives life-cycle management model is a four-phase life-cycle plan. When the series production period ends, the product is transferred from the active to the classic phase followed by the limited and finally the obsolete phase. The product is supported up to the obsolete phase, but ABB recommends to upgrade or replace the drive in the limited phase. Standard preventive maintenance offerings have been productized and associated to different life-cycle phases.

Benefits

Enhanced drive reliability leading to more efficient productivity
Optimized maintenance costs and minimized repair costs
Easy-to-plan maintenance budget helping to control OPEX
Extended drive lifetime avoids early expense of replacing drive
Genuine, factory-certified ABB parts increases intervals between maintenance

Maintenance schedules

Maintenance schedule provides a systematic and functional means of maintaining a specific drive. Each ABB MV drive has its own schedule, which is based on extensive experience and know-how of manufacturing and maintaining variable speed drives. Specifications of component suppliers are also carefully observed.

Site appraisal

When the drives' condition is not well known, a site survey should be conducted. The survey results are recorded in a report containing information about the drives' present conditions and recommendations for immediate improvements. The objective of the survey is to create a long-term systematic preventive maintenance program that is based on environmental and operational conditions of the drives, as well as a product-specific maintenance schedule.

Preventive maintenance spare parts

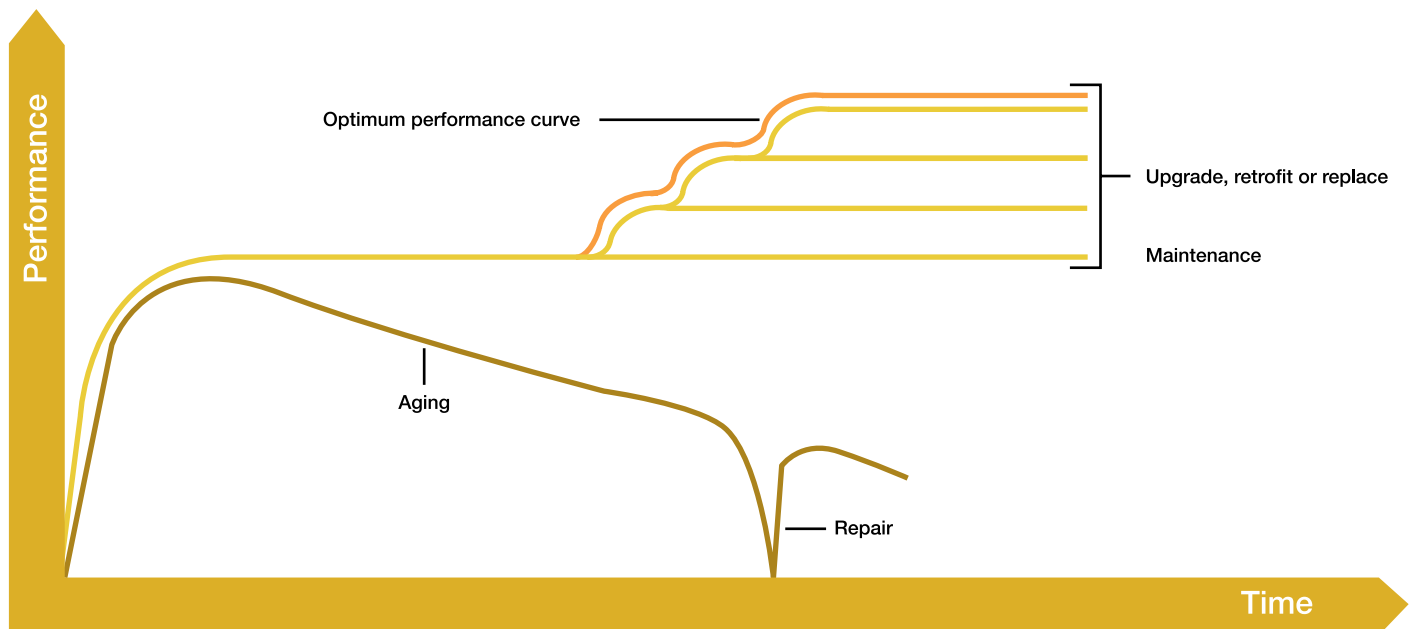
To ensure availability of appropriate spare parts, ABB recommends its spare parts inventory service.

Customer's role

Usually the benefit of preventive maintenance increases when the information provided is as thorough as possible, especially if the customer provides a documented drive history. Preventive maintenance must be planned well in advance in order to reserve resources and service parts needed.

Optimum return on assets

For optimized performance, variable speed drives should be maintained regularly. ABB recommends a long-term systematic drives preventive maintenance program to be carried out according to the maintenance schedules. This ensures the optimum drive performance and return on drive assets through the entire lifetime.



To maintain the performance and reliability of an installed MV drive, systematic product maintenance is the key.

For more information please contact:

www.abb.com/drives