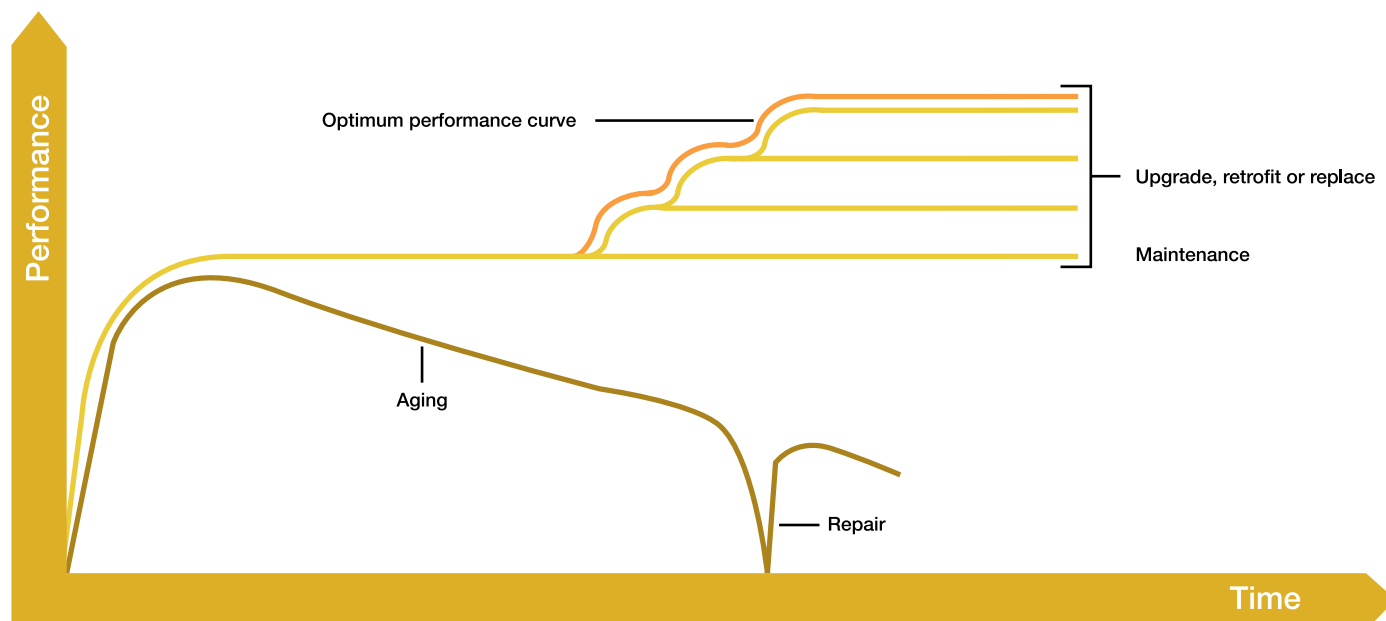


Service note

ACS 1000, 12 year preventive maintenance kit



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

A preventive maintenance program is recommended for ABB's medium voltage AC drives to retain reliability, optimize performance, extend its lifetime and avoid unplanned repair costs.

Preventive maintenance

After 12 years of continuous operation, ABB recommends replacing selected parts in order to improve a drive's performance, increase its reliability and extend its lifetime.

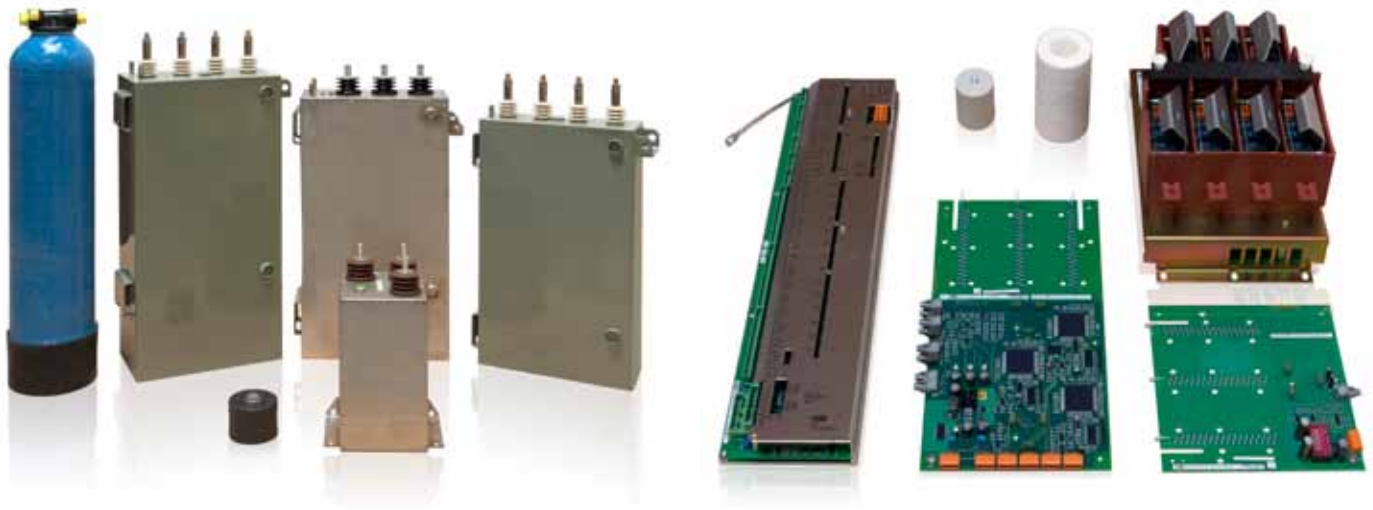
Filter capacitors, pumps, batteries and fans are affected by aging and electrical and mechanical stress. These parts should be replaced after several years of continuous operation of the drive.*

Replacing these parts will ensure maximum availability while eliminating unplanned repair costs.

Benefits

- Enhanced drive reliability and availability
- Optimized maintenance costs and minimized repair costs
- Genuine ABB parts increase intervals between maintenance
- Prevention against unplanned shut downs
- Longer drive lifetime

*Depending on the maintenance schedule of the drive, it might be necessary to replace other parts earlier.



Cooling, capacitors and electronic boards are the main parts of the 12 year preventive maintenance kit.

Preventive maintenance kit 12 years

Depending on the drive model and cooling system the preventive maintenance (PM) kit may include the following parts:

- Cooling pump/fan
- Backup batteries
- Filter capacitors
- Snubber capacitors
- Circuit boards for current and voltage measurements

Power semiconductor upgrade

Each IGCT power semiconductor has a gate unit board with electrolytic capacitors for switching the main semiconductor on/off. These electrolytic capacitors age and have a limited life. ABB recommends replacing the gate unit board after 12 years.

Lifecycle management

Performing preventive maintenance after 12 years of operation significantly extends the drive's life, avoiding the unnecessary costs of an early drive replacement.

A PM kit can be selected depending on the number of drives and years of operation. According to this information a service plan is defined that meets allocated maintenance budgets.

Ordering information

The 12 year PM kit can be ordered from your local ABB service representative using the serial number of your ACS 1000 medium voltage drive.

For more information please contact:

www.abb.com/drives