

Service note

Control Upgrade

Cost-effective lifetime extension for your drive



Take advantage of our **Control Upgrade** service in order to ensure full life cycle services for your legacy drive. Investment costs and process downtime are minimized with an engineered solution fulfilling your specific needs.

Manage the life cycle of your drive

ABB Drives' product life cycle management model provides proactive services to maximize the availability and performance of your drives, and improve overall efficiency.

All equipment is subject to ageing and the lifetimes of components differ from each other (see Fig. 1).

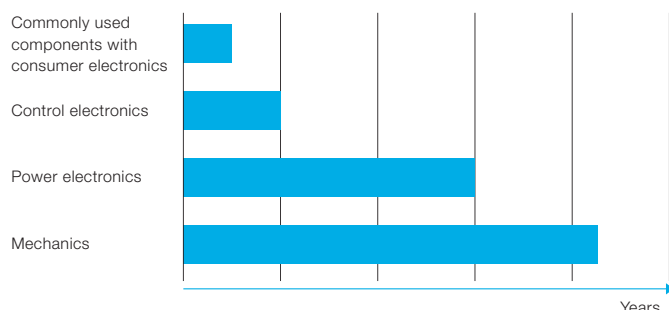


Fig. 1: Different lifetimes of drive components

ABB offers an update of the drive's control part where aging components could cause service unavailability or failures. The power part of the drive does not need to be updated since ABB provides spare parts for used power components for the whole lifetime of the upgraded drive.

Benefits

- Minimized investment costs and process downtime
- Modern drive system secures operational reliability
- Remote support capabilities
- No need for extensive spare part purchases
- Guaranteed life cycle services

Is your drive suitable?

ABB's Control Upgrade service is available for various legacy drives.

- DC-Drives (DCS500, DCS600, DCV700, TYRAK 8, TYRAK L)
- SAMI MEGASTAR W
- PSR Cycloconverter (MV & LV)
- Analog Cycloconverter
- MEGADRIVE-LCI (PSR1 or PSR2)
- MEGADRIVE CASCADE (PSR1, PSR2 or DCS500)

Take your drive to the next level

The Control Upgrade service is an investment in the operational reliability, increased lifetime and enhanced maintainability of your drives. ABB helps you to modernize your drive and lets you rest easy.

The right time for the right service

It is time to get a Control Upgrade if your drive is reaching or has reached Limited or Obsolete life cycle status.

In these phases, not all life cycle services are ensured and ABB will inform the end user about this situation. When the announcement is made, a Control Upgrade would be the ideal solution in order to secure all services as the drive is returned to the Classic state. These services include spare parts, technical support and training.

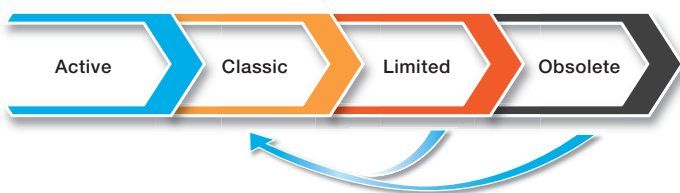


Fig. 2: Control Upgrade prolongs the classic phase of the drive's lifetime

Secured operation throughout the drive's life

Control Upgrade is designed to improve the performance and extend both the functionality and the lifetime of the product, thereby providing the best possible return on investment. With a Control Upgrade, your process continues to operate with high reliability provided by the latest control platform and replacement of ageing components.

The service comprises both hardware and software updates: old components are removed from the drive and a new platform with the latest software package is installed and commissioned.

ABB will engineer a Control Upgrade matching the requirements of the old process so that all external devices can be kept as before. Also, if requested, the upgrade can be tailored to match a new system configuration if the customer is planning to update other parts of their drive system.

ABB will help to define the actions needed based on the available history of the unit and clarify the scope during a site audit. It is recommended to combine the Control Upgrade with full preventive maintenance of the cooling system and power part.

Remote support capabilities

Alongside the upgrade of the old control platform, ABB also offers a remote monitoring service that can be combined with the upgrade to provide 24/7 support capabilities through a remote connection. The remote monitoring service is available for all products within the Control Upgrade portfolio.



Remote service for system monitoring, analysis and troubleshooting

Replacements

When a drive is at the end of its lifetime, ABB offers to replace the drive with state-of-the-art technology from its comprehensive product portfolio. Whereas a Control Upgrade provides a cost-effective lifetime extension to an existing drive, a replacement can be an option when new drives for process extension are acquired. This results in all drives in the process having similar characteristics and common spare parts.

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

www.abb.com/drives

www.abb.com/drivespartners

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