

Modernization service for ACS800 multidrives

Stepwise renewal of your drive lineup in a streamlined and sustainable way



ACS800 multidrive modernization is a service that enables new technology to be incorporated in steps in your drive lineup. This enables to fit modernization activities into your maintenance schedule to avoid disruptions to your business. Modernization is only replacing the mandatory components with the latest technology, thus extending the multidrive's lifetime, while improving its reliability and profitability.

Reliability

If you are looking to enhance the performance and reliability of your ACS800 multidrive, a modernization solution is the right choice for your application. Future-proofing your multidrive optimizes its uptime, ensures continued access to ABB's service and support teams and provides the certifications needed.

Profitability

Taking a step-by-step approach to modernizing your multidrive means the drive is updated only when needed, thereby extending its lifetime with the highest operational efficiencies throughout; all while optimizing the cost and minimizing process downtime.

Sustainability

The modular modernization approach means existing infrastructure such as the motor cabling and drive cabinet can be retained while worn or failed components can be individually replaced over time. This circular economy concept is good for the environment while saving you time, money and labor.



Improve the performance and reliability of your ACS800 multidrive



Extend the equipment's lifetime



Enable access to new digital services, such as remote monitoring, to identify emerging problems before they occur

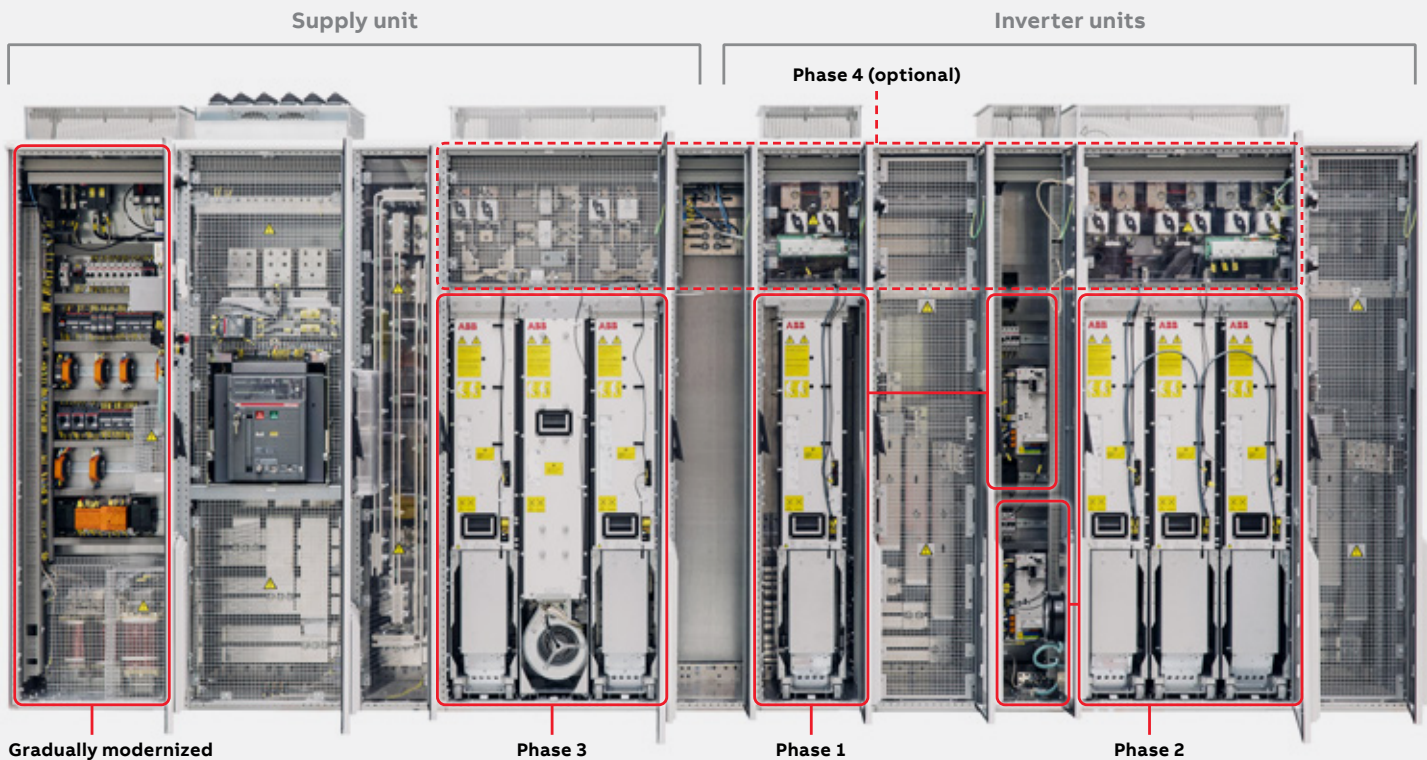


The solution is tested and proven, bringing resilience to the system

ACS800 multidrive modernization

Stepwise modernization

Example of a stepwise modernization



Phase 1: Start with the simplest inverter unit and related accessories.

Phase 2: Continue in next phase to more complex/larger inverter unit modules.

Phase 3: When all the inverter units are modernized, supply unit can also be updated to ACS880 technology.

Phase 4 (optional): Optionally, fuses and fuse switches can be updated either together with modules or in own separate phase.

Benefits of modernizing drives in phases

- Modernization investment can be divided in several phases. Operational service budget might be used and long investment approval processes can be avoided.
- Modernized drives create spare parts for other multidrive modules
- No extra downtime
- Suitable for drives in difficult locations
- No changes to supply / motor cable locations
- No changes to electrical room / construction

ACS800 unit	Type code	Frame size	Power rating	Upgrade type available
ACS800 inverter unit	ACS800-107	R8i	210 to 6970 kVA	ACS880U-107S8
ACS800 inverter unit	ACS800-107	R2i to R7i	3 to 215 kVA	Available later
ACS800 IGBT supply unit	ACS800-207	R8i	200 to 5450 kVA	ACS880U-207S8
ACS800 diode supply unit	ACS800-307	nxD4	790 to 4540 kVA	ACS880U-307S8
ACS800 diode supply unit	ACS800-507	nxD4	400 to 4540 kVA	Available later
ACS800 thyristor supply unit	ACS800-407/-807	B4 to B5	680 to 6500 kVA	Available later

Service delivery process



Check the drive type and process criticality

Review the compatibility of your equipment and check the need for a system update. For example in case a critical drive application or system has over 15 years of operation an upgrade is recommended.



Assess the existing system and define the right solution with ABB

ACS800 multidrive is a classic product with a full range of service solutions. Assessing the existing installation and options allows ABB specialists to identify your requirements, helping you decide on the right option.



Scheduling the installation

Modernization is convenient and easy to integrate into your maintenance schedules, without causing additional maintenance breaks.



Installation and commissioning with ABB

ABB modernization services are designed to minimize installation time. ABB-certified service engineers install and commission the new, modernized equipment to ensure a speedy process.



Continue efficient operation

The drive system is now updated with the latest ACS880 hardware. All changed parts are supplied with a two-year warranty.

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

new.abb.com/service/motion/modernization-and-performance-improvement-services/drives

new.abb.com/channel-partners/search

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