

ABB MOTION SERVICES

ACS6000 Modernization

Enhances the reliability of your drive extending the lifetime



ACS6000 modernization with UCU-26 is a fast, reliable, and environment friendly solution to extend the drive's lifetime. The service modernizes the existing ACS6000 medium voltage drive with state-of-the-art UCU-26 control platform, inherited from ACS6080 without the need to fully replace the drive cabinet. This optimizes costs and minimizes the downtime for your operations.

The Modernization solution with UCU-26 offers additionally to the well-known DTC (direct torque control) a new control method, the **MP3C (model predictive pulse pattern control)**. It can optimize the efficiency and dynamics of your drive. This is the perfect way to keep highest reliability of the system at the lowest CO₂ emissions, at the same time this Modernization action is extending the drive's and motor's life expectancy.

When is the right time for Modernization service?

When the drive reaches the age of 10 years it is critical time to do a maintenance to prolong reliable operation of your assets. By doing the Modernization service, you get extended benefits out of it such as guaranteed spare part availability for years to come and access to the additional portfolio service offerings.

ACS6000 Modernization benefits

Drive lifetime extension

- Enhances the efficiency and reliability of your drive, bringing it in line with the latest technology advancements
- Enables long-term availability moving the drive to an Active life-cycle
- Fits your maintenance schedule and minimizes downtime

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System performance optimization

- Reduces thermal stress in motors (efficiency increases by MP3C solution)
- Improves robustness against severe network disturbances
- Decreases thermal stress in the drive train by reducing harmonic losses by 50%

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Fast and reliable support

- Access to product documentation and ABB support with a QR code on the rating plate
- 24 months extended warranty on full drive¹⁾
- Enabling ABB Ability™ digital services

¹⁾ Considering all pending preventive maintenance actions have been done with the modernization.



Circular solution

- Extends the life cycle support at the lowest CO₂ emissions by reusing non-ageing parts
- Reduces CO₂ emissions by saving the active power

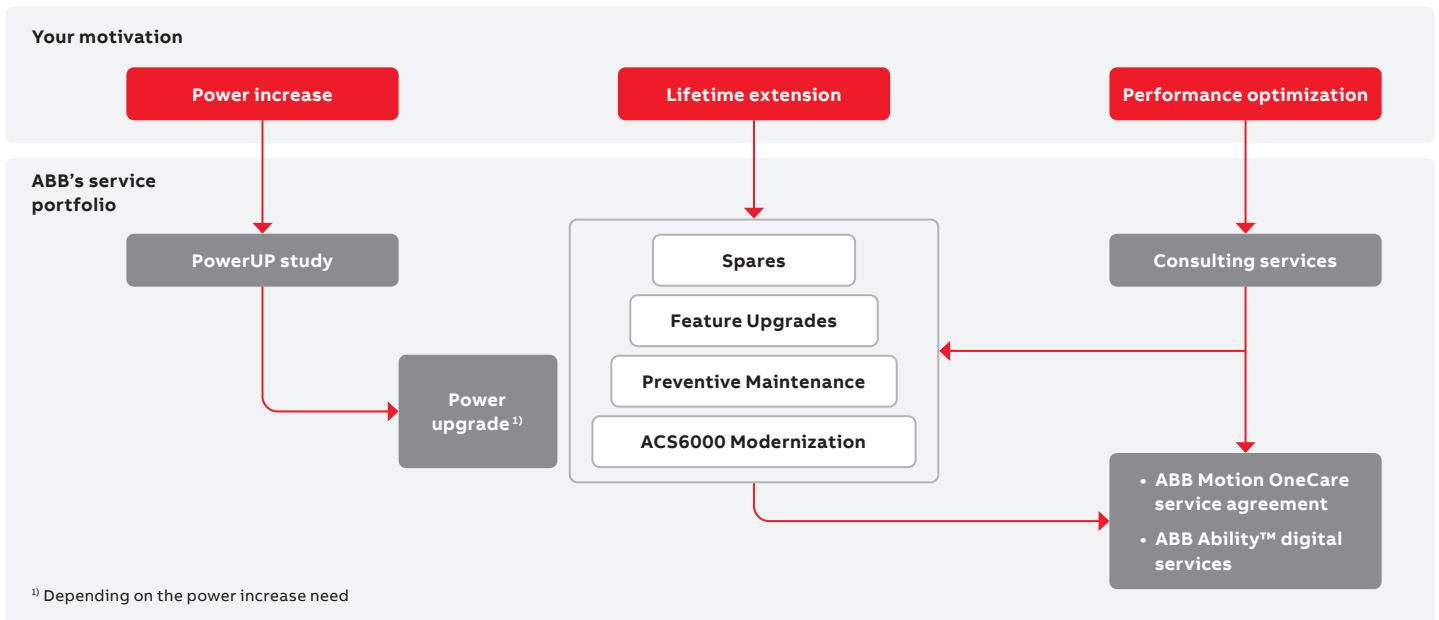
Tailored service offering based on your motivation

Depending on your motivation for improvement, ABB provides the solution to you with a dedicated service strategy to reach your targets.

The ACS6000 Modernization is the core offering, that enables the optimization of the drive's

performance and power increase. It brings your asset back to Active life cycle status to ensure ABB's full support for more than 10 years ahead.

Contact your local ABB service representative to get detailed information on your service strategy.



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

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

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