

Motor and generator refurbishment service

Revitalize performance while extending lifetime and uptime



ABB's refurbishment service restores your HV motor or generator to its original performance and reliability or, in some cases, beyond. Depending on the application, the lifetime can be extended by up to 20 years.

Latest design

The refurbishment service replaces key components, such as stator or rotor with the latest design. It exchanges all other parts that, over the asset's operational lifetime, may have suffered thermal, electrical, ambient and mechanical stresses that impact its performance and reliability. These parts may include bearings, water-cooling unit, aging excitation components and other product-related wear and tear parts.

If a power upgrade is required, it may be possible to combine it with refurbishment. ABB can advise you on the feasibility and available options.

Cost-efficient and sustainable alternative

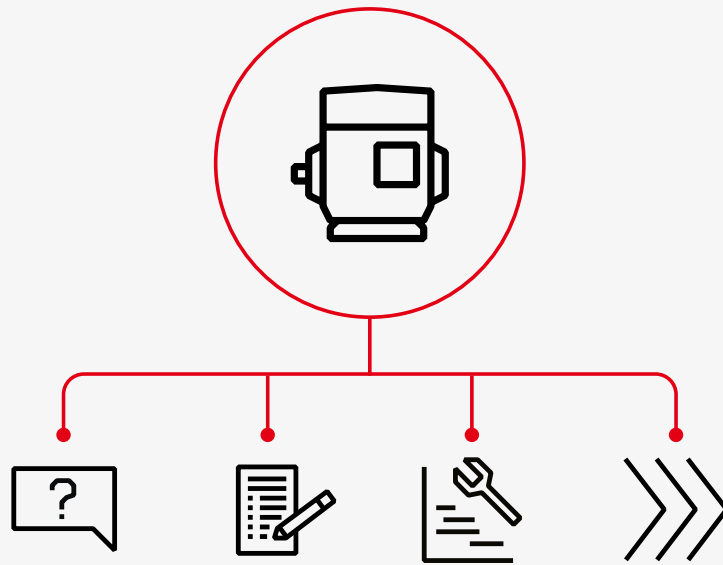
Refurbishment can be a cost-effective and sustainable alternative to buying a new asset as existing capital spares can be used.

For instance, rotors and stators are typically custom manufactured and have a longer delivery time than standard parts. When downtime must be kept to a minimum, using capital spares helps get the process up and running quickly.

Should the refurbished unit be scheduled for replacement later, it may be feasible to retain it as a spare.

Benefits of refurbishment

- Restores asset to its original performance and reliability
- Extends lifetime by up to 20 years
- Refurbishment with existing capital spares can be done within weeks; compared to 6-12 months lead time for replacement unit



Refurbish or replace?

Knowing when or whether to refurbish or replace your motor or generator can be challenging. Our experts are available to help guide you through the decisions and questions you need to consider, some of which include:

- What is the condition of your motor/generator?
- What is the unit's operational performance and efficiency?
- Does the output power meet future needs?
- What is the 10–15-year plan for the application, plant and/or process?
- Cost analysis: Are capital spares available that can be used for the refurbishment?
- Criticality of the process: Is the spare motor inventory sufficient for the process?
- What's your timeline?

Replacement

Should refurbishment not be feasible or economical, we can assist in selecting the best replacement with the correct features and best-in-class efficiency for your application. A replacement is built to be fully interchangeable with the existing unit to ensure a seamless transition between old and new.

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

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



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