

# Preventive maintenance for motors and generators

Protect your investment and avoid costly downtime



Preventive maintenance is planned to take into account the operating and environmental conditions affecting your motors and generators. Fully qualified and certified service engineers apply the best practices and latest technology to keep your equipment operating like new.

ABB's preventive maintenance services are based on more than 130 years' experience of manufacturing and maintaining motors and generators. Preventive maintenance is the most effective way to keep your production running, and helps to secure your long-term competitiveness.

### The need for maintenance

The main reason why motors and generators fail is component ageing during normal operation. Failures mean costly unplanned stoppages, which always seem to occur at the worst possible moment. Component failure may also result in secondary damage to critical parts such as the stator and rotor. It is therefore essential that steps are taken to prevent failures wherever possible.

ABB's standardized preventive maintenance products are tailored to the motor's or generator's actual life cycle phase. They help to maximize availability and reliability based on our unique know-how as the original manufacturer.

### Main benefits

- Maximize availability and reliability
- Minimize unplanned downtime
- Increase machine lifetime
- Reduce/eliminate production losses
- Reduce overall cost of maintenance
- Maintenance can be planned around production and plant schedules
- Ensure products' warranty validity
- Experienced, fully qualified service engineers with safety know-how
- Tailored maintenance tools
- Access to expert support from the factory
- Supply of original or upgraded parts



#### **Preventive maintenance programs**

ABB's standardized preventive maintenance products cover the entire lifetime of motors and generators.

We have developed two main approaches in our maintenance programs in order to meet all possible customer needs. The programs are based on fixed intervals or condition monitoring analysis. In both cases the programs take a step-by-step approach, with procedures undertaken at intervals over the lifetime of the equipment.

#### **Maintenance kits**

ABB maintenance kits help to cut maintenance times. The kits contain the genuine parts that are changed during specific maintenance procedures. The maintenance kits typically represent the most economical way of buying the required parts.

#### **Certified personnel**

ABB's service engineers are certified to perform preventive maintenance on the customer's specific type of motor or generator. Trained and qualified personnel mean that maintenance is performed safely, correctly, and in accordance with the manufacturer's recommendations.

#### **Qualified for any work environment – specialists for explosive atmospheres**

ABB field service engineers are fully trained and competent to work on equipment used in areas with potentially explosive atmospheres. This ensures that all requirements of the relevant international regulations are met.

Our certification process guarantees that all work on motors and generators for explosive atmospheres is undertaken according to the strict requirements of IEC/EN standards and our own internal rules, which are in line with the ATEX directive and IECEx system.

For more information please visit:

[abb.com/motors-generators/service/maintenance](http://abb.com/motors-generators/service/maintenance)

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