



ABB Drive Workshop Services

High quality drive services to get your operations up and running quickly and sustainably



ABB Drive Workshop Services

Supporting you worldwide

Global workshops

Regional workshops

Local workshops



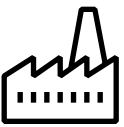
Professional service
for your drives



Saves time
and money



Straightforward,
reliable process



Recycling according
to local regulations

- Workshop location
- Territory supported by nearest workshop





ABB Drive Workshop Services

ABB authorized workshops provide the best results

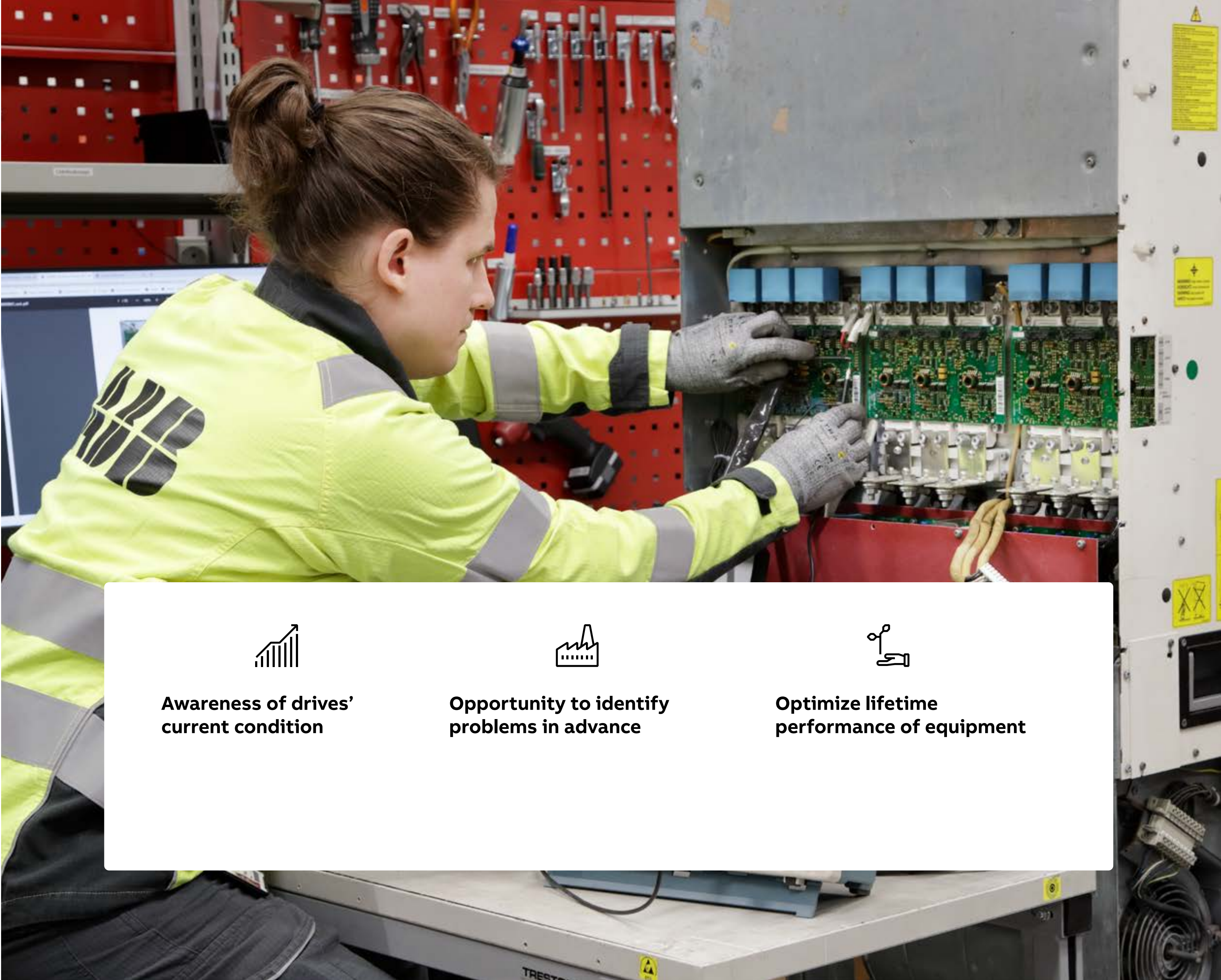
Seven service options are available depending on the condition of your drive. Is your drive functioning correctly?

Inspection and Diagnostics

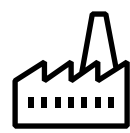
This service identifies the future maintenance needs of your drives by measuring and analyzing their condition and application. The diagnostics will provide information on the drives' current condition, the environmental impacts acting on them, or the cause of any failure. The service will supply recommendations that will help to keep your drives in optimal condition.

Drive Failure Analysis

- The user provides drive data, usage and failure details
- The workshop expert conducts detailed drive analyses
- Depending on the drives' condition, they can be scrapped or returned to the user, either repaired or unrepaired



Awareness of drives' current condition



Opportunity to identify problems in advance

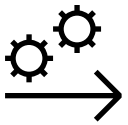
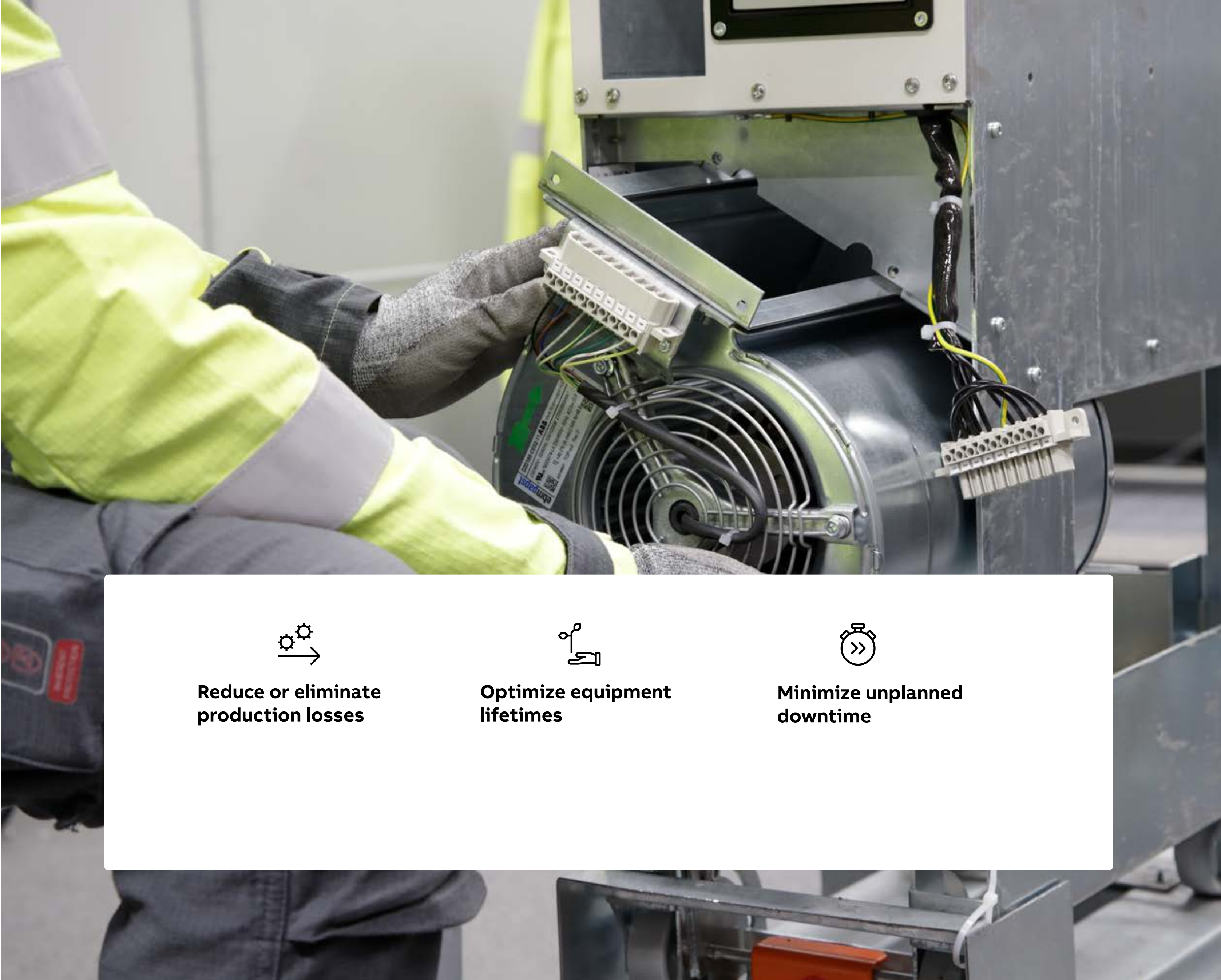


Optimize lifetime performance of equipment

Preventive Maintenance

Regular preventive maintenance is an investment that helps to avoid failures. The program can eliminate disruptions to production, help to cut operating costs, and secure your long-term competitiveness. It includes a full inspection, thorough cleaning, full-load testing and component replacement according to the maintenance schedule. Replaced components come with a one-year warranty.

Inspections and component replacements are carried out by experienced engineers based on maintenance schedules. Our extensive network of service engineers is ready to support you whenever you schedule your production shutdown.



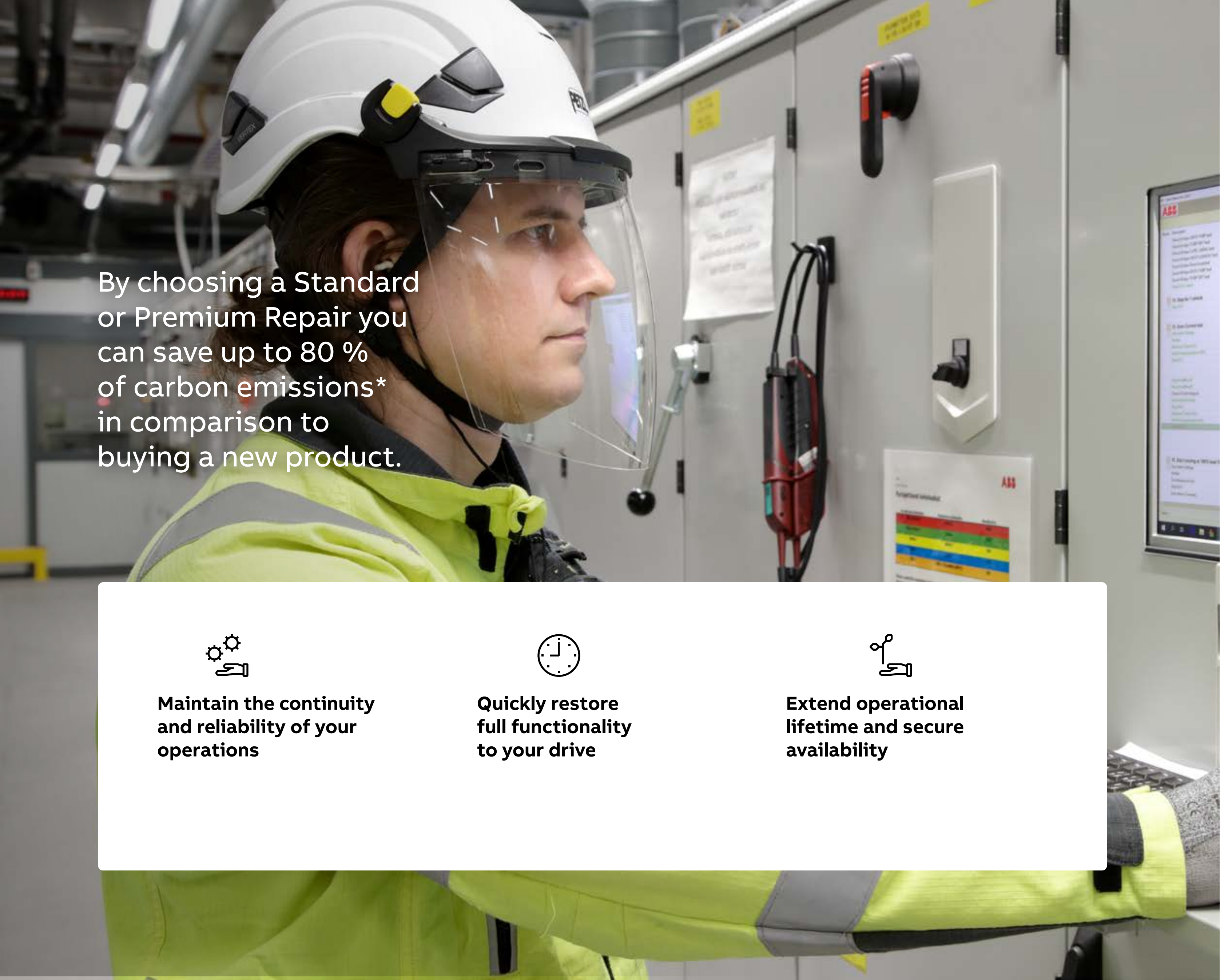
**Reduce or eliminate
production losses**



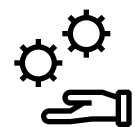
**Optimize equipment
lifetimes**



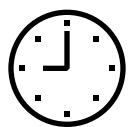
**Minimize unplanned
downtime**



By choosing a Standard or Premium Repair you can save up to 80 % of carbon emissions* in comparison to buying a new product.



Maintain the continuity and reliability of your operations



Quickly restore full functionality to your drive



Extend operational lifetime and secure availability

Workshop Repair

Our repair services are intended for non-functioning drives or drive modules that can be shipped to the workshop, allowing a full repair based on comprehensive testing. In the workshop, the drive or module is repaired and tested according to the original manufacturing specification.

Standard Repair

The Standard Repair service is used when a major fault needs to be corrected. It includes visual inspection, thorough cleaning, fault finding analysis, genuine replacement parts, functional full-load test, service report, and proper packing. The work is carried out in a clean environment with electrostatic discharge protection. Replaced components come with a one-year warranty.

Premium Repair

The Premium Repair service includes the standard repair package, preventive maintenance, as well as replacement of aging components, as required. The drive or module fault is analyzed, and a failure report is supplied with the repaired drive. All components in the preventive maintenance schedule are exchanged, as well as any components that might suffer from aging due to loading or environmental conditions. The drive or module is restored to the same condition as it left the factory, and a two-year warranty is provided.

*Study conducted by independent environmental consultancy. Comparison based on applicable Carbon Handprint Methodology (2022).

Reconditioning

The Reconditioning service is the ideal choice when major components (including IGBTs) need replacing due to their condition or loading profile.

Reconditioning includes a full inspection, thorough cleaning, and individual component analysis and replacement. The drive or module is restored to the same condition as it left the factory. The workshop updates all the aging components to their original condition using the latest technology. The drive is tested with a full load and comes with a two-year warranty.

There are two options for reconditioning: it can either be performed during a maintenance outage, or it can be done with immediate service support and installation of the reconditioned modules in the shortest possible time.

By choosing the Reconditioning service you can save up to 80 % of carbon emissions* in comparison to buying a new product.



Faster field service actions requiring fewer resources



Latest technology for improved drive performance and compatibility



Cost optimization

*Study conducted by independent environmental consultancy. Comparison based on applicable Carbon Handprint Methodology (2022).

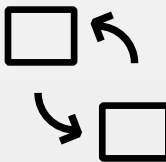
How are the Preventive Maintenance and Reconditioning services different?

Example: ACS800 multidrive

Preventive Maintenance service includes:



Replacement of components according to product specific maintenance schedule and condition of drive (nine years of operation)



DC electrolyte capacitors, PCBs, flat cables, cabinet heaters, and fan are replaced

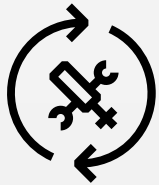


Long-life Fan

DC Capacitors



Reconditioning service includes:



Preventive Maintenance service (at the module level)



Ultrasonic cleaning of all electronic boards

- Replacement of all aging components (incl. IGBTs etc.)
- Complete functional and full-load test
- Price includes all required options
- Price includes transportation from workshop to customer
- Reconditioned module comes with two-year warranty
- Reconditioning saves money compared to purchasing a new drive

Main electronic boards
APOW, AINT, AFCB, AHCB,
AOFC, AFPS, AFIN



Complete washing of mechanical parts



Inspections: DC link capacitors (ISU and INU modules)

DC Capacitors

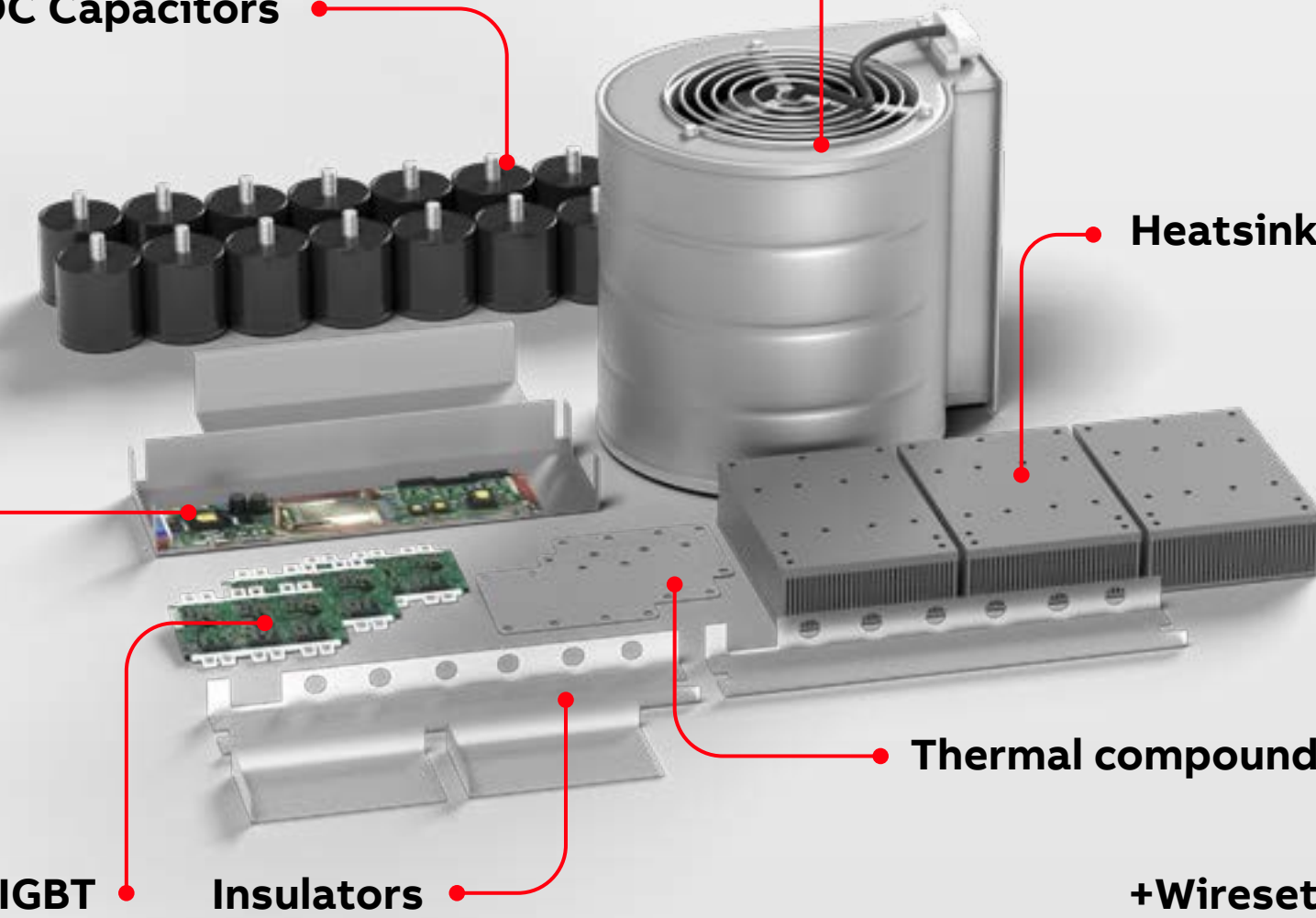
Long-life Fan

Heatsink

Thermal compound

+Wireset

ACS800LC: Reconditioning optionally available for module cooling elements, heat exchanger and tubes



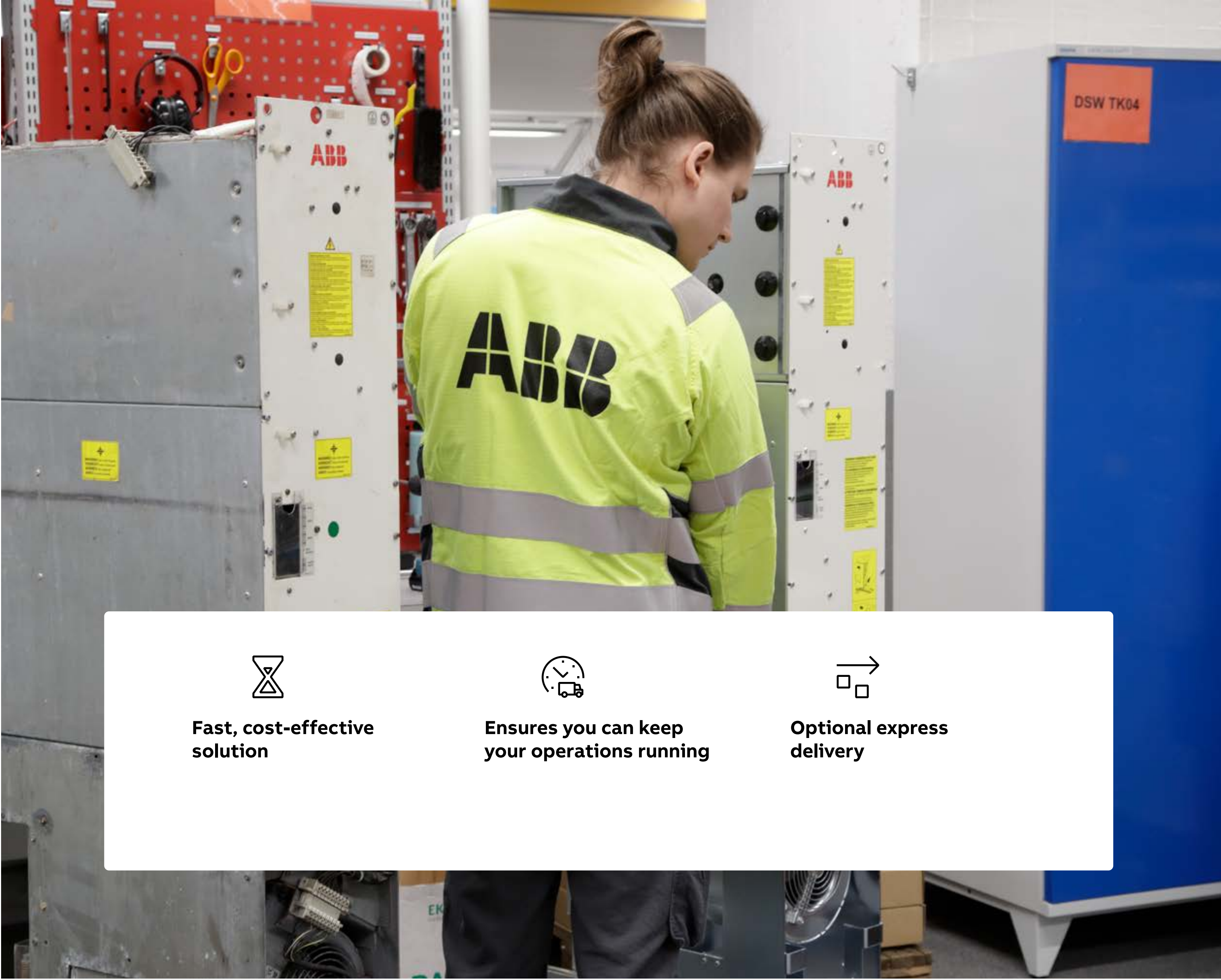
IGBT

Insulators

Drive Exchange

To keep your operations running, ABB can exchange your drive or module for an equivalent, fully functioning and tested unit. All exchange units are fully compatible with the original drives. They are full-load tested according to the original specifications and come with a complete, one to two-year warranty. Units are ready for fast shipment from the nearest available ABB stock.

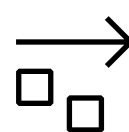
This service is a quick and reliable way to resolve problems. It is an ecological and sustainable service, as the original drives are either refurbished, used to refill exchange unit stock or recycled according to local regulations. The Drive Exchange service is also available for non-ABB drive replacements.



Fast, cost-effective solution



Ensures you can keep your operations running



Optional express delivery

ABB Motion OneCare service agreement

ABB Motion OneCare is a customized service agreement to improve your production efficiency and optimize your maintenance operations around your assets.

One tailor-made agreement can flexibly cover a single service, a bundle of desired services, or a transfer of the entire maintenance responsibility to ABB's service experts. Keeping you in total control.

- **Cost effective maintenance** strategy with long-term planning to maximize asset performance
- **Ensured performance with service expertise** to match your equipment's predictive and unpredictable needs, giving you peace of mind
- **Partnering for success** within a single contract for easy management of your assets and business needs



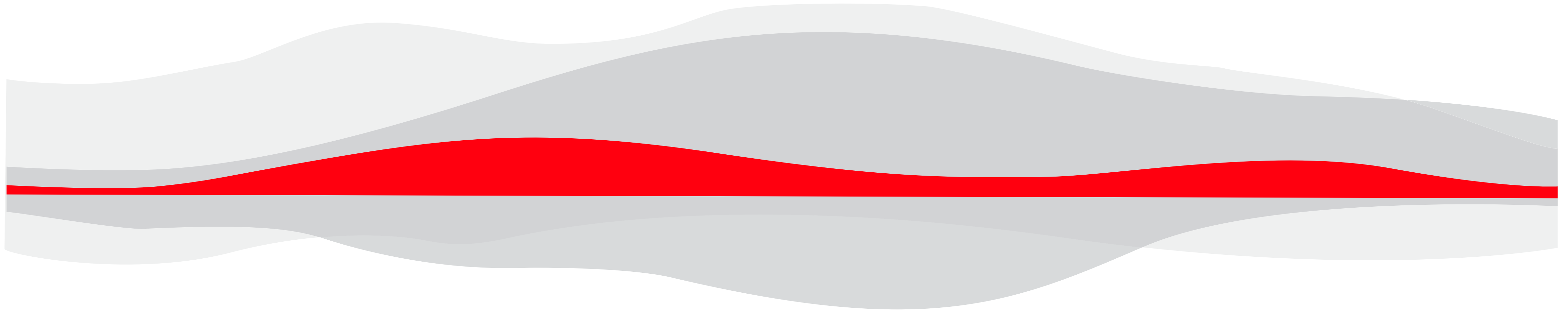


End-of-life service

ABB's circularity approach is focused on preserving resources at every stage of the product's life cycle

ABB Drive Workshop Services

From first sign of problems to fully functioning drive





Contact us

For more information, please contact your local representative or visit

ABIB