Service Power Technologies
Intelligent service solutions

Power and productivity
for a better world™

Put your trust in a can-do team

As a globally operating technology corporation and a manufacturer of products and systems, we complement these by a comprehensive spectrum of round-the-clock service support capabilities. Our aim is to increase systems availability on a lasting basis, with concomitant gains for our customers' competitiveness. We work closely together with our customers to develop the appropriate life time extension strategy of products and systems. We take a holistic approach to the systems we are asked to support, and remain responsively available throughout their entire lifetime, above and beyond the actual warranty period. For our service operations, we are working on innovative solutions designed to minimize maintenance work so as to render service support even more cost-effective.

Our capabilities range from electrical system planing and reliability centered maintenance, cost-efficient spare parts supply and optimized malfunction management to hardware and software upgrades. You, can benefit from our global service presence, starting with customer support and covering manufacture, processing and a complete spectrum of service capabilities

Service support for our products – Always the right move

The excellent results of our day-by-day service assignments throughout the world are proof of our professionalism. The knowledge and experience of our employees are the true foundation of competent services for installations and devices.

Thanks to our long-standing experience, we can assure optimal continuity of substation and switchgear products and thus contribute to a reliable distribution and supply of electrical power.

We offer a comprehensive package of service measures ranging from checking and diagnosing to inspection, maintenance and repair activities, as well as upgrades and system extensions.

Also included are the collection of data and the computation of the actual status with the help of advanced diagnostic tools which deliver valuable information on the cost-efficiency of aged installations and components.

Our work procedures provide for eco-friendly handling of SF_6 gas, oil and compressed air, as well as or full compliance with the provisions of Sect. 19 of the Water Resources Act.
All of our service solutions ensure a perfect compatibility with Calor-Emag, BBC, ASEA and ABB products. We only use original spare parts in all of our work.

ABB`s Service Power Technologies is a competent and reliable partner at your side, a partner capable of professionally enhancing the condition of your equipment.

Service support for our systems – Knowing what`s important

ABB Service Power Technologies covers all the issues of protection equipment from numerous manufacturers, even facilities dating 30 years back; at the same time, our state-of-the-art testing and diagnostic facilities can help to assure excellent service results.

The vast majority of our specialized staff can look back on several years of professional experience, sometimes gained under extremely difficult conditions.

Besides worldwide installation and commissioning, our strengths include traditional after-sales service as well.

We provide our customers with all the support required following successful acceptance testing and expiry of the agreed warranty period, throughout the entire lifetime of the systems concerned e.g.:

- Maintenance services, performing any measures that are required to maintain or restore the specified condition of the equipment, and to identify and assess the actual condition (inspections, periodic checks ...)
- Troubleshooting, damage repairs, event-based repairs, general repairs, i.e. any measures needed for restoring the equipment condition specified. Furthermore, preparing expert‘s reports on protection equipment (protection philosophy, settings, functions) in the event of major damages or accidents
- Processing customer inquiries for spare part offers, and ordering

We also carry out modernization jobs on protection and control systems, where particular sections (subsystems, components) are replaced by customized solutions.

We offer retrofit solutions on digital breaker monitoring systems, for displaying and recording the relevant maintenance parameters in real-time along the circuit breaker`s operation period.

Power systems consulting – Decision-taking on the safe side

Power supply networks and installations must be capable of adapting to changing supply requirements.

Industrial networks supply high-capacity power consumers in a minimized spatial environment. Production and manufacturing processes demand good voltage quality and a reliable power supply, but the startup characteristics of large motors and the electromagnetic emissions of power converters render it more difficult to comply with the required interference levels. Often, moreover, the maximally permissible short-circuit currents for the network equipment have been reached, so that network expansions are not easily possible.

The environment in which public-sector networks provide their supply function is different, but not less complex. The networks have evolved over time to suit the supply job profile involved, and are frequently shaped by the geographical configuration of the supply territory concerned. At the same time, consumers and decentralized generating systems repeatedly entail fresh requirements for network dimensioning and design.

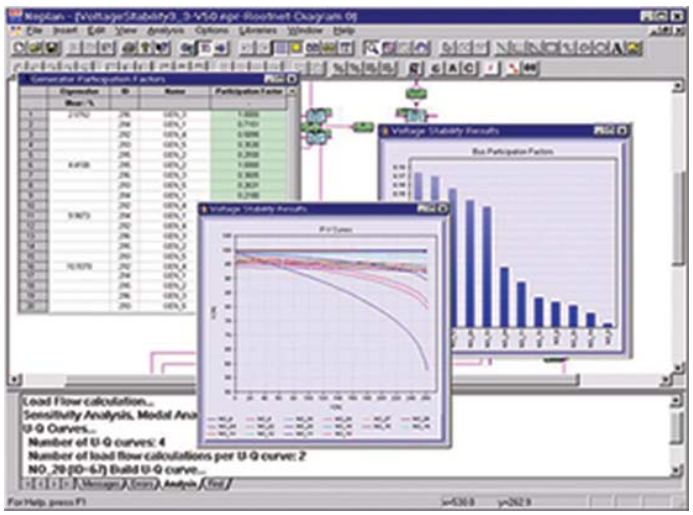
More and more of the equipment installed in power supply systems, irrespective of whether industrial or public networks are involved, is reaching the end of its technical and commercial lifetime. So when you need to invest in replacements, it is sensible to redefine the network's structure, so as to arrive at up-to-the-future, dependable and efficient configurations.

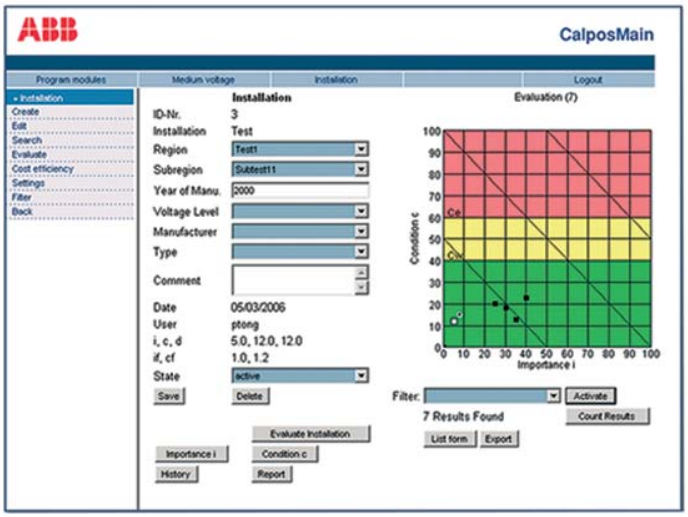
And why is it worth for you to handle these jobs with us? Because we can offer you the experience and the know-how of a globally operating technology company, with references from more than 30 years of active planning work on transmission, distribution and industrial networks.

Whether your plans are to optimize your existing network and to operate it mor economicaly, or to integrate new installations and networks, we are certainly an excellent choice when it comes to being a partner for everything from network analysis to well-founded investment consulting.

In addition, we offer a sophisticated, state-of-the-art computation and documentation system called NEPLAN® for power, gas, water and district heating networks, with which we also carry out network studies and calculations. Experienced network planning engineers are your assurance of full-coverage support.

You are welcome to benefit from our long lasting experience and our experts' extensive fund of specialized knowledge.





Service and technologies for offshore link – In all weather conditions

Regulators and politicians are intensifying the cost pressure on all areas of electricity supply. Operators of public power grids are more than ever called upon to rethink their existing network concepts, and indeed their planning methods and procedures.

Whether expansion restructuring or integration of decentralized power generating facilities, any change in an energy network at a public utility necessitates special service support solutions. For offshore links, particularly for HVDC-based wind farm links, ABB Service Power Technologies synergizes its specialisms to create a holistically efficacious service capability.

In our offshore service operations, an ABB service manager looks after platforms and buildings, HVDC/AC and DC cables.

Our capabilities extend from operation, inspection, telemonitoring, maintenance and repair work, all the way through to modernization and retrofit jobs on components and systems featured in the offshore link between the wind farm at sea and the transformer substation on the mainland.

Our service specialists are trained to the highest of offshore safety standards. And quality targets, occupational safety and prophylactic health care, plus integrated management processes, are all subjected to continual scrutiny.

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DEABB 1459 09 E printed in Germany (0309-500-GD)

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