

ABB Ireland Service

Your strategic partner for a changing world



ABB's dedicated service team is here to help you take care of your HV, MV and LV assets, by providing installation and commissioning services, maintenance, replacements, spare parts, consumables and training. We can also help you extend the life of your assets with extensions, upgrades and retrofits. When it's time to retire an asset we offer end of life services that help you do so, cost effectively and responsibly.

ABB works with our customers to develop and implement cost effective maintenance strategies that maximise equipment reliability and uptime. This comprehensive approach helps customers throughout Ireland to ensure the safe, reliable, efficient and profitable performance of their power networks.

Low, Medium & High Voltage Service

ABB Service provides comprehensive service support for ABB's extensive Low, Medium and High Voltage product portfolio, including switchgear, circuit breakers, transformers and digital protection and control devices.

Our Offering Includes:

- Installation and Commissioning
- Spares and Consumables
- Training
- Service Agreements
- Preventative Maintenance
- 24/7 Emergency Support
- Fault Finding and Repair
- Substation Assessments
- SF6 Handling
- Extensions, Upgrades and Retrofits
- Transformer Oil Services
- Thermographic Surveys
- End of Life Services



Installation & Commissioning

ABB offers full installation and commissioning service, including:

- Decommissioning and removal of old switchgear.
- Site supervision.
- Installation and erection of new equipment.
- Functional testing and site handover.
- Cold commissioning to verify protection and control operation.
- Hot commissioning and energisation of the equipment.
- Supervision during plant start-up.



Spares and Consumables

Guarantee functionality of your installations by using original ABB components, spare parts and kits. These are available for current and legacy products, including acquired brands.

Our global service network complements inventory management with strategic spare parts concepts, repair services and a fast delivery.



Service Agreements

Operate and maintain your LV, MV, and HV equipment together with ABB, at optimized, predictable costs, and based on the agreed level of support and processes.

What is most important for your field of business? We assist with a solution that brings peace of mind, meets your needs and ensures cost efficiency in your operations. Because the ABB service contract can be designed around your specific business needs, ABB can help you achieve the maximum operational and competitiveness benefit from your investment.

Protection & Control Relays

ABB has the expertise to test and commission relays and relay systems at a customer's location to ensure the relays are operating and wired correctly. Specific job scopes are developed based on customer requirements. Factory trained engineers verify that the relay settings are correct and perform functional tests to verify the integrity of the system. The relays are run through trip checks to make sure they pass acceptance testing. In-service tests can also be performed. System wiring is verified against as-built drawings. Documentation on findings, including test reports are provided.



Training

Trained personnel with high expertise allows safe, correct and reliable operation, and reduces downtime. Learn on your own site, in the classroom or on-line.

Repairs

Our global network of Service Centres can offer equipment repairs, either on site or at our well equipped workshops.

Extensions, Upgrades and Retrofits

ABB retrofit solutions allows implementation of modern components (circuit breakers and digital protection and control devices) in existing MV and LV installations with the following benefits:

- More cost effective than a complete replacement.
- Short implementation time for replacement.
- Minimum shut-down of the switchboard.
- Extends the service life of the switchboard.
- Improves operator protection.
- Minimization of further maintenance costs.
- Guaranteed spare parts and support availability.

Extensions

Extend your existing switchgear from ABB or connect new ABB switchgear to existing non-ABB panels.

MV & LV Circuit Breaker Retrofits

Modernize your MV or LV switchgear with the latest circuit breaker technology. Minimize down-time and loss of production and reduce investment costs by avoiding cabling and civil works.



HD4-HPA gas retrofit
12kV and 24kV



VD4-HPA gas retrofit
12kV

Relay Retrofits

Replace obsolete relays with new microprocessor relays in existing switchgear, using simple, easy to install retrofit assembly, including necessary engineering, documentation, relays settings and commissioning.



Arc Fault Protection Retrofit

An arc fault is the most serious fault within a switchgear system. A new active arc fault protection system from ABB (Ultra-Fast Earthing Switch - UFES) can be retrofitted into both ABB and non-ABB switchgear, and not only effectively minimises risk to people, it also offers protection against damage or destruction of system components.



Transformer Services

ABB offer a comprehensive range of transformer services including; installation, commissioning, maintenance, spare parts, overhaul and repair. Our Service Engineers are trained in the skilled techniques needed to obtain the reliable and uncontaminated samples of transformer oil required for accurate laboratory analysis and we work with a leading test laboratory to offer a comprehensive assessment of the dielectric and mechanical condition of the transformer.

Transformer oil analysis services provided by ABB include:

- Oil Quality Tests
- PCB testing
- Dissolved Gas Analysis (DGA)
- Tap Changer Activity Signature Analysis
- Transformer Condition Assessment



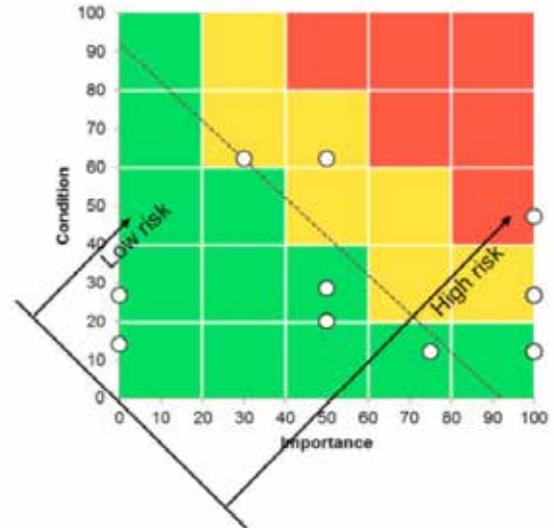
Substation Assessment Service

ABB's Substation Assessment service supports substation owners in gaining a comprehensive overview of their condition.

We assess electrical components and systems, health and safety aspects, as well as the condition of earthing, foundations, buildings and structures that can affect the operational reliability and lifetime of a substation. ABB staff visit the facility and carry out a thorough visual inspection. Findings are documented and photographed and existing documentation inventoried. Careful analysis of the condition and importance of the equipment, the service and operational history as well as the availability of spare parts and maintenance competencies, allows risk levels on component, system and substation level to be assessed.

Offer in Brief:

- Visual inspection of your substation.
- Assessment of age, condition and failure risk level of the equipment.
- Results presented in a technical report, with recommendations for further action.



All equipment plotted in Risk Matrix based on condition and importance

Assessment Scope

ABB's Substation Assessment covers the following items:

- Health & Safety.
- Transformers & Tap Changers.
- HV Equipment such as Circuit Breakers, Disconnects, Instrument Transformers, Surge Arresters etc.
- MV Switchgear.
- Protection and Control Systems.
- Station Auxiliary Equipment.
- Infrastructure, e.g. steel structures, foundations and fencing.

Contact Us

ABB Limited

Belgard Road,
Tallaght, Dublin 24.
D24 KD78

Phone: +353 1 4057300
E-mail: service@ie.abb.com

www.abb.ie

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