ACi Solutions™
Predictive maintenance software for high-voltage circuit breakers

Meet performance goals and ensure better asset health with relevant information available at the right time, in the right form and in the right hands.

About us
ABB, the leading global player in high-voltage products offers a wide range of electricity infrastructure solutions and services encompassing:
• Gas Insulated Switchgear (GIS)
• Hybrid Switchgear Plug and Switch System (PASS)
• Air Insulated Switchgear (AIS)
• Generator Circuit Breakers (GCB)
• Capacitors and Filters
• Instrument Transformers
• Surge arresters

As a globally operating technology organization and a manufacturer of products, we complement these offerings with a comprehensive spectrum of round-the-clock support service capabilities and life cycle support services. Our approach to product support is to offer services that improve the reliability and extend the operating life of a customer's high-voltage equipment, while reducing operation and maintenance costs in each life cycle phase. To meet the challenges of the evolving high-voltage service market we continue to develop our portfolio, increase customer satisfaction, and improve our operations.

Asset Condition intelligence for high-voltage assets
Asset Condition intelligence (ACi) Solutions™ software offers the ability to view all relevant asset condition information in one seamless interface. This interface provides a complete picture of the health and performance of all assets while embedding the analysing capabilities of comprehensive, specialized software. ACiSolutions™ uses patented “Aspect Object™” technology that collects and displays all information required to maintain each high-voltage asset in one place. Collected information is customizable and can be asset specific: covering all aspects such as documentation, alarms, events, camera feeds, maintenance reports etc.
Key features of ACi Software:
ACiSolutions™ calculates key performance indicators to identify issues that contribute to critical health factors of an asset and their root cause. ABB’s dynamic performance algorithms have been developed with expertise garnered from years of equipment knowledge, research, development, and manufacturing experience. We can apply this technology to all circuit breakers including those from other manufacturers.

Our performance algorithms incorporate industry standards, design elements, Subject Matter Expert knowledge and sophisticated analytics to effectively manage your assets.

Within the workplace environment, maintenance personnel are provided with tools to identify and analyse the root cause of poor asset performance. Report screens display immediate visualization of fleet performance and individual asset condition.

Benefits
- Enables adoption of predictive maintenance strategies by giving an advanced or detailed knowledge of asset condition
- Real-time monitoring of asset health facilities, fast and reliable implementation of corrective measures
- Consistent, data-driven reporting of asset health supporting informed decisions

ABB’s high-voltage power intelligence
An effective asset management strategy seeks to increase equipment availability by providing insight into the health, corrective action instructions and organisational visibility, reduces decision time, and coordinates maintenance activities. ABB’s power intelligence portfolio is designed to support you in running effective asset management strategies. For effective project implementation we can provide technical support, field services and consultation.