ABB provides comprehensive training for engineers, operators, programmers and maintenance personnel, including up-to-date technical expertise and support for a full range of products, systems and applications. Training is available at ABB facilities worldwide, at customer sites and online.

**Orientation training**
An introductory course that gives a basic overview of the delivered HVDC system to customer staff.

**Engineer training**
Designed for personnel dealing with system engineering and analysis.

**Operator training**
Comprehensive and thorough training program with theoretical classroom sessions and hands-on training in the operation of the HVDC System, including: Processing supervision and control, Control of HVDC transmission, Interpretation of disturbances and supervision of the control system to understand when to notify maintenance personnel.

**Maintenance training**
Comprehensive and thorough training program with theoretical classroom sessions and hands-on training in maintenance of the control system, main circuit equipment and auxiliaries. Additional training and active on-site participation is available during project installation and commissioning.

**What can ABB do for you?**
ABB offers tailor-made instruction at your HVDC site. Our experienced engineers can provide classroom training sessions and practical exercises covering HVDC system functions and settings. Such training is necessary for new employees receiving new assignments, or experienced HVDC employees needing to refresh their skills. It is also essential for a company in the process of evaluating ABB HVDC equipment and systems, because the right information will help guide a customer to the correct decisions.

**Basic and advanced courses**

**Introduction (2 days)**
Courses include:
- HVDC basics
- HVDC control and protection system
- Basic fault finding and diagnostic tools
- Operation with the HMI system
- HVDC system supervision
- Introduction to Thyristor/IGBT valves

**Advanced (3 days)**
Project-specific courses include:
- Circuit board replacement and software loading
- Main and server type computer maintenance
- Data back-up and security handling
- HiDraw maintenance programming
- Thyristor/IGBT maintenance

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Contact us

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