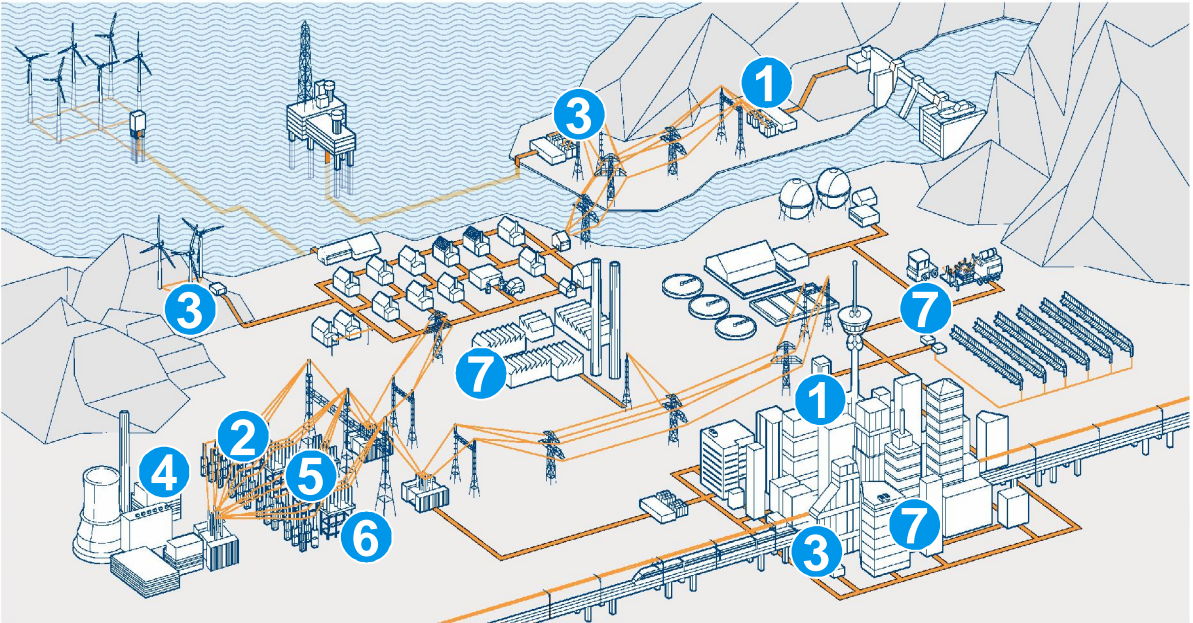


Rune Person, September 24-26, 2014 – Dalmine, Italy

ABB OEM Days 2014

Use superior application know-how to create
greater customer value

ABB's high voltage products offering One stop shop across the value chain



1 Generator Circuit Breakers, Cooling systems



2 Gas Insulated Switchgear



3 Multifunction modules including hybrid switchgear



4 Air insulated switchgear



5 Instrument transformers, disconnectors



6 Capacitors and filters, surge arresters, cable accessories



7 Power quality



Greater customer value

Lean on ABB knowhow to grow your business

”Increase you value by growing your knowledge ”



Grow your business

Create greater value for your customers

Leverage ABB’s experience, application knowhow and expertise

Lean on ABB

Plug and switch system - PASS

Take your capability to the next level

Products



Application knowhow



Wide portfolio of mobile switchgear solutions:

- Customized
- Factory assembled substation equipment for permanent or temporary electrification
- Easy to transport and install!


Strategic competence



Training and support

High Voltage Service
Training courses for Service technicians and engineers
Standard service proposal

Our aim is to provide the highest degree of reliability and we know how important it is for personnel to be properly trained.
 Our Service department offers training courses for the purpose of certifying engineers and technicians in compliance with ABB Training and Certification Policy guidelines.
 Our courses are held in our Lodi-based Training Center, but arrangements can also be made for sessions at your site.



Training course goals
 Our main goal with these courses is to ensure safe and efficient operating processes.

Training levels
 We offer the following training levels:
 • Level 3 - Installation and commissioning training for HV service technicians and engineers.
 The participants will receive the relevant certificate once they have successfully performed one installation and commissioning job under the supervision of an accredited supervisor.
 • Level 4 - Product Expert training.
 • Re-Certification - Course for service engineers who have attended the training course and who are authorized to perform work until their certificate expires.
 The project curriculum and reports made on site are also taken into consideration.
 The Re-Certification course is required every 3 years and provides participants with an overview of product upgrades.

Training course program
 The main topics are:

- Pass MO, MOO
 - Description and operation
 - Installation and preventive maintenance
 - Combined disconnect/earthing switch
 - BE-ST disconnect/earthing mechanism
 - Bulk circuit-breaker control
 - Circuit diagram
 - Assembly
 - Connections
- Compress
 - SF₆ gas handling
 - Description and operation
 - Installation and preventive maintenance
 - Circuit-breaker
 - Bulk circuit-breaker control
 - Circuit diagram
 - Earthing switch
 - Earthing connections
 - SF₆ gas handling
- Tg
 - Description and operation
 - Assembly
 - SF₆ gas handling
 - Maintenance

The training programs usually include a visit to the factory.

Power and productivity
for a better world™ **ABB**



Surge arresters

Take your capability to the next level

Products



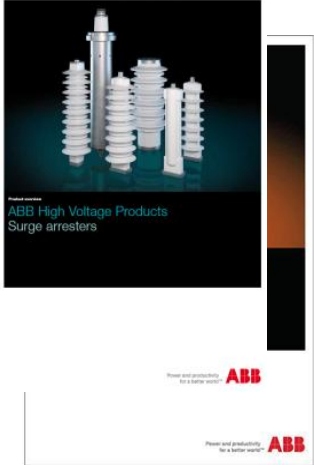
Application knowhow



Strategic competence



Training and support



Cable accessories

Take your capability to the next level

Products



Application knowhow




Strategic competence

Certificate
ABB AB, Kabeldon

This certifies that

John Smith
OEM, Sweden



has completed the course for

Terminating and Jointing of power cables 52-170 kV

Date:

The theoretical part has embodied the construction and properties of cables and cable accessories, methods of controlling electrical fields, cable preparation, critical steps during installation, stress due to environmental conditions, creepage currents etc. The practical part has included the installation of cable termination and cable joint 52-170 kV

High Voltage Basic Training 52-170 kV
Cable termination APECB 170 kV
Cable joint SMPGB-C 170 kV

Marianne Nilsson

Marianne Nilsson
Co-ordinator
Training department
ABB AB, Kabeldon
Sweden

Perisa Rankovic

Perisa Rankovic
Course leader
Training department
ABB AB, Kabeldon
Sweden

Date: HVXXXXX, Registration No
The certificate is valid to XXXX

Power and productivity
for a better world™ **ABB**

Training and support



Capacitors and filters

Take your capability to the next level

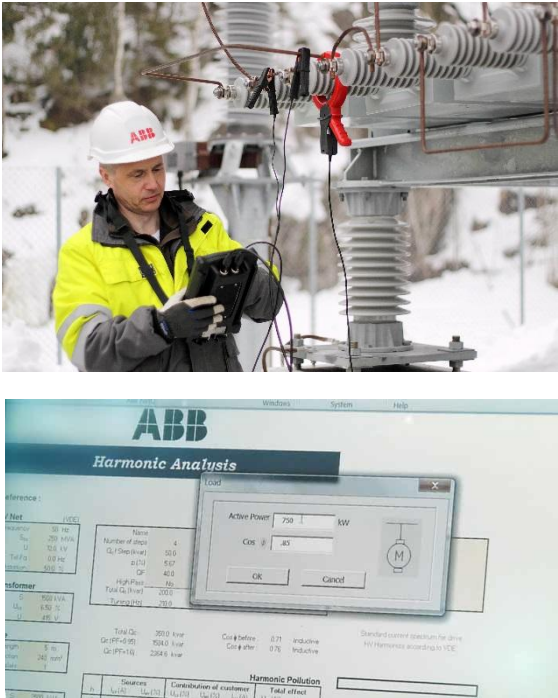
Products



Application knowhow



Strategic competence



Training and support



Capacitors and filters

The way forward

OEM programs



AGREEMENT
relating to
USE OF TECHNICAL DRAWINGS
between
ABB Technology Ltd,
Zurich, Switzerland,
and
OEM Customer,
City, Country

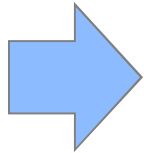
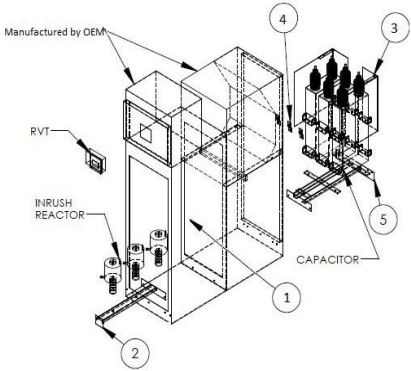


ABB Products +

ABB Cooperation Program

+

OEM Added Value

=

CapCube



ABB – Your most complete supplier

Lean on ABB knowhow to grow your business

”Increase your value by growing your knowledge ”

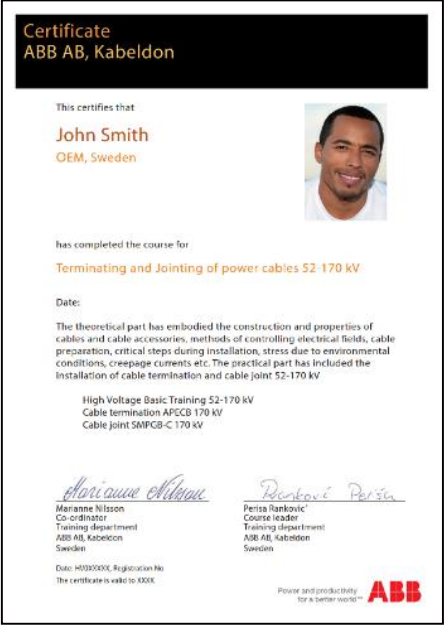
Application knowhow
and expertise

Training and support
of the long-term

Develop new strategic
competence

Create more value for
your customers

Grow your
business!



Power and productivity
for a better world™

