



Andreas Berthou, 2015-10-20

# Welcome!

## ABB Power Cable System & Installation Seminar

# Safety Information

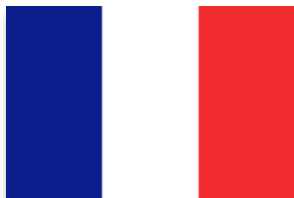


“I will always work safely, ensure that all ABB employees and contractors shall be properly trained and equipped for safe working and promote safe behavior and conditions for my colleagues and myself. I will never look the other way.”

***Source: Extract from safety commitment***

# ABB Power Cable System & Installation Seminar

## Participation from all major European countries



# Welcome to the city of Karlskrona

## Established by King Karl XI in year 1679



# ABB in Karlskrona Global High Voltage Cable Centre



# Offering Supplier of complete cable system solutions



## Cable design and production

- System studies and system design
- Manufacturing and delivery of cables
- Procurement of all required components
- Project management



## Installation

- Marine field studies
- Civil works
- Installation, supervision and testing



## Service

- Service agreements
- Maintenance and repair of cable systems
- Recovery of old cables

# Track records, High Voltage Cables

## ABB delivered the world's first:



- 1952 400 kV AC (LPOF) transmission, Harsprånget, Sweden
- 1954 100 kV HVDC cable (MI) Gotland-Swedish mainland, 100 km
- 1973 Extruded AC (XLPE) submarine cable, Sweden-Åland, 84 kV, 3 x 55 km
- 1973 420 kV AC (LPOF) submarine cable, Öresund Cable, Denmark-Sweden 4 x 8,5 km
- 1978 245 kV AC (XLPE) land cable, Libya
- 1994 450 kV DC submarine MI cable, Baltic Cable, Germany-Sweden, 250 km
- 1998 Extruded DC (HVDC Light) land cable 80 kV DC Gotlight, Sweden, 2 x 70 km
- 2002 Extruded DC (HVDC Light) submarine cable, 150 kV Cross Sound, U.S, 2 x 42 km
- 2003 Power-from-shore AC (XLPE) submarine cable, 123 kV Saudi Arabia, 51 km
- 2005 Power-from-shore DC (HVDC Light) submarine cable, 80 kV Troll A, the North Sea, Norway 68 x 4 km - dynamic
- 2013 First 3-core AC submarine cable 420 kV Lillebaelt, Denmark, 15 km
- 2014 Launched 525 kV Extruded HVDC cable system
- 2015 Martin Linge, XLPE three-core, ABB is about to deliver the worlds longest AC cable, 162 km submarine AC cable route, Norway

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for a better world™

