

ABB Medium Voltage Days MEA

How ABB makes a difference Examples from the Oil & Gas Segment



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Speaker name
Thomas Schmidtchen

Speaker title
Global Segment Manager – Oil & Gas

ABB Medium Voltage Products

Company name ABB Inc.

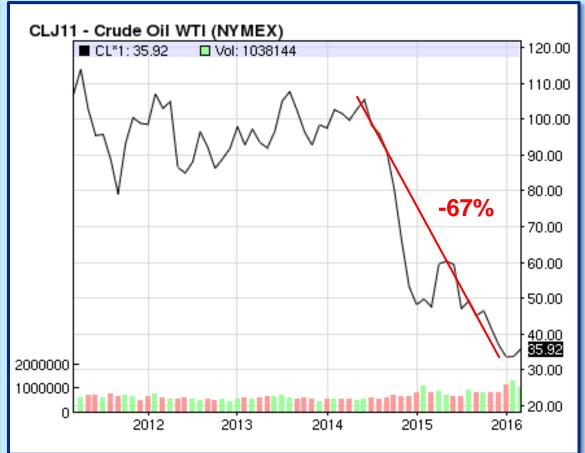
Location Houston, Texas, USA



Motivation

Why speak about Oil & Gas?





Is it time to challenge the way we've been doing things?



Is it time to look for smart & efficient solutions?



Do we want to compromise safety or reliability?





Examples from the Oil & Gas Segment – Overview



What ABB does

 ABB's value proposition for electrification infrastructure



How ABB makes a difference

 Safe & reliable, smart & efficient solutions



Project references

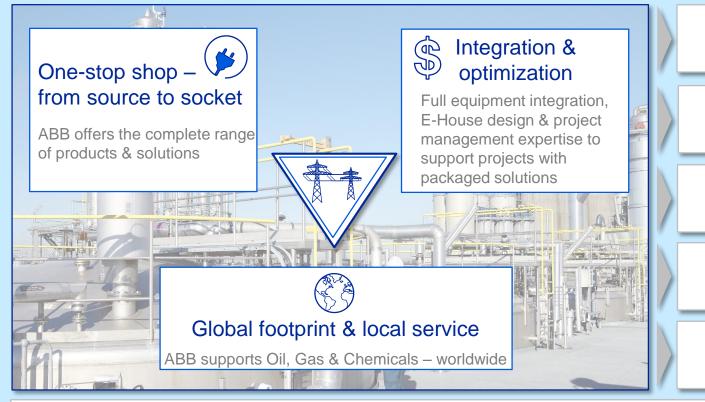
 Where ABB helps customers increase their productivity while not compromising safety





ABB's Value Proposition

Complete Electrification in Oil, Gas & Chemicals



Increase reliability / maximize uptime

e.g. reduce panel repair time by 80% using UFES



Increase efficiency

e.g. save 50% in commissioning time by using IEC 61850



Increase flexibility

e.g. by using "one-size-fits-all" switchgear



Increase safety

e.g. by using state-of-the-art arc-resistant equipment



Reduce risk & costs while maintaining high quality

e.g. by choosing ABB as partner for integration & optimization



Global #1 in Electrification Products

Leading technology & solutions

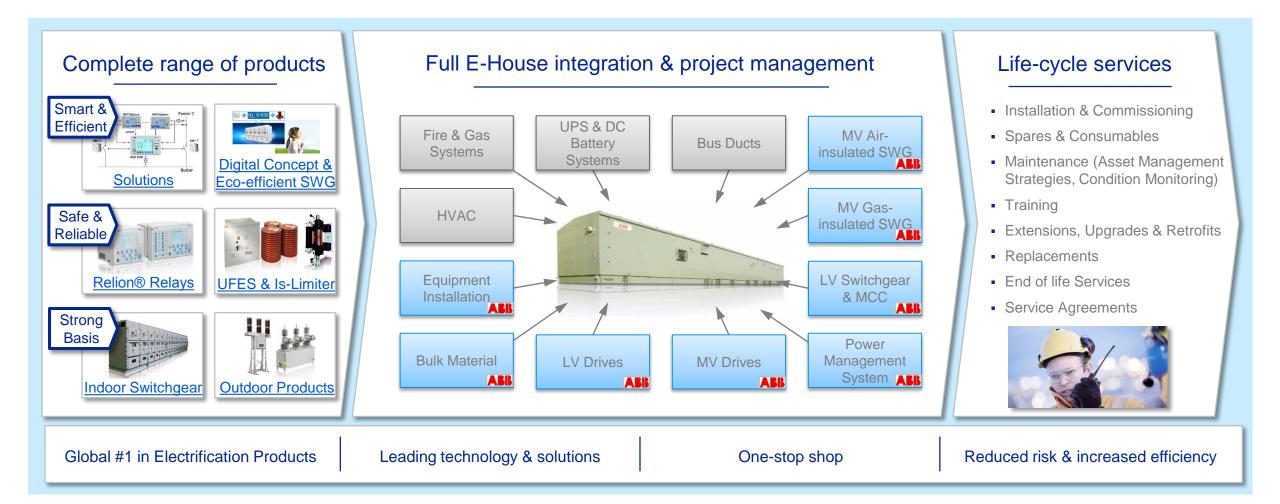
One-stop shop

Reduced risk & increased efficiency



ABB's Value Proposition

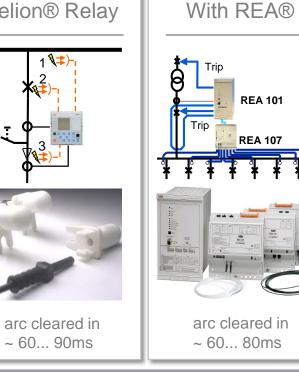
Products, Solutions & Services for the Electrification Infrastructure

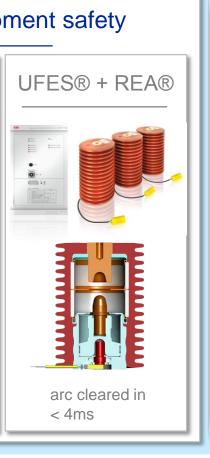


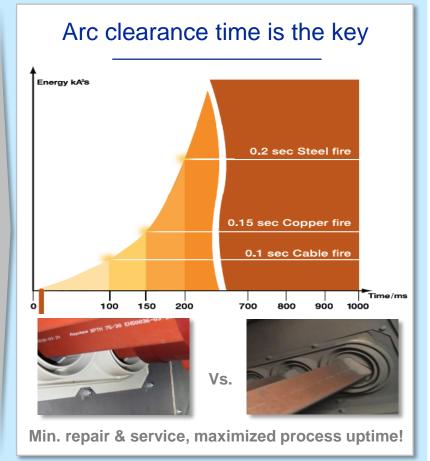


Safe & Reliable – Example: Active Arc Mitigation

Multiple solutions for highest personnel & equipment safety Relion® Relay With I_{th}–Limiter





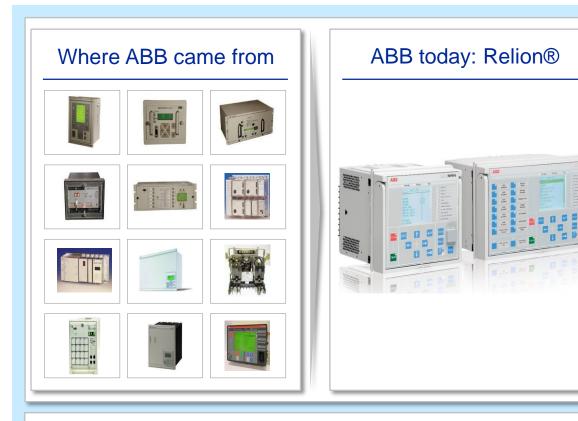




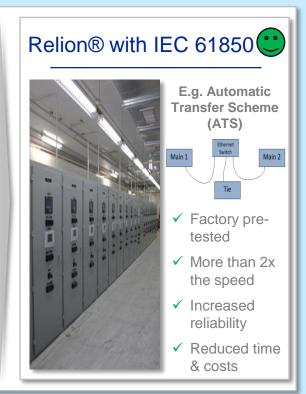
arc cleared in

~ 70... 90ms

Safe & Reliable – Example: Distribution Automation Solutions







One product family

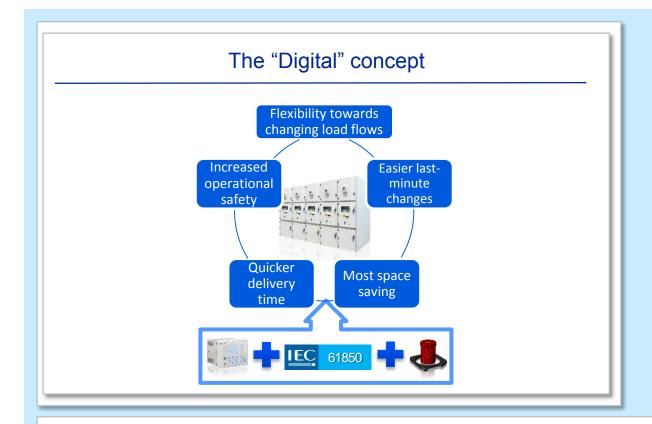
One look & feel

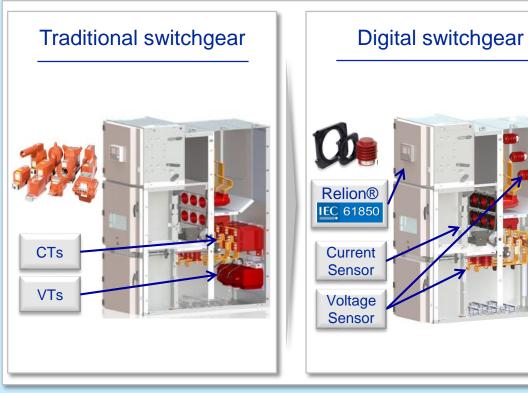
Native IEC 61850

+500.000 relays in operation



Smart & Efficient – Example: Digital Switchgear





ABR

"One-size fits all"

Linear slope, no saturation

Quicker engineering, installation & commissioning

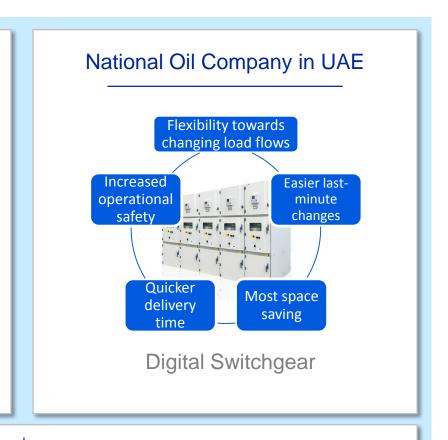
Increased safety

Reduced size & weight

References for Safe & Reliable, Smart & Efficient Solutions







Min. repair & service, max. process uptime!

Increased speed & reliability, reduced time & costs

Unique flexibility ("One-size fits all"), unique savings (time, costs, space, weight, ...)



Questions & Answers



Do you think that ABB can help increase efficiency, while not compromising safety?

Do you think that ABB can help master the challenges of the future?

Do you think ABB is a partner of choice for Electrification Infrastructure?





Power and productivity

