

ABB Review 3/2005

Sustainability

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6

Sustainability in ABB

From environmental measures to safety thinking and business ethics, ABB is committed to sustainability.

10

Healthy, safe and productive

Health and safety is an important aspect of sustainability. ABB is helping its customers implement safer systems and working practices.

14

Emissions trading

Reduction of carbon emissions is a prerequisite for a sustainable economy. The EU's Emission Trading Scheme is explained.

20

SF₆ technology

New legislation in Germany to limit SF₆ gas emissions from electric power supply equipment.

22

Energy efficiency

Ten short articles present examples of how ABB drives technology improve energy efficiency, so cutting costs and emissions.

28

Networking

19 paper mills across Europe are united by one central energy supply management system to optimize costs and supply of power.

31

Not on my watch

ABB's Power Management System makes sure heavy industries get power where it's needed and when it's needed, efficiently and reliably.

36

Leaner, fitter, smarter

OPTIMAX™ provides real time optimization of boiler performance, taking into account maintenance and lifetime costs.

42

HVDC

A power transmission line overloads and trips, so overloading the next line – and so blackouts spread. HVDC can act as a protective “firewall”.

47

Safety management in process industries

Part 1 – Standards.

What are safe working practices? Are they achievable? Introducing the philosophies and standards behind safety.

51

Safety management in process industries

Part 2 – The ABB approach.

How ABB's automation products reflect and implement the latest approaches and standards on safety.



10

Energy efficiency

54

Green shipping

Meeting tighter environmental regulations while improving fuel efficiency.

58

The ABB turbocharger

Boosting engine power and efficiency.

63

Boosting supply

ABB technology creates a vital natural gas link in Poland.



31

Innovative engineering

66

Cut and dry

Low frequency drying process cuts energy costs in half.

70

Unplugged but connected

Part 1: Redefining wireless.



54

Tutorial

74

Industrial information system security

Part 2: Worms and trojans are a risk for any computer. An appropriate protection strategy is needed to protect industrial processes.



74