

ABB Review 4/2007

World of innovation

Innovation highlights

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A successful 2007

ABB Review highlights eleven great innovations of the year.

Product innovations

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Signaling enhancements

Is there more to data than meets the eye? Enhanced instruments learn to read between the lines of a measurement.

18

Performing at a higher level

Breaking from a pipe-dream to reality: heat-pipe cooling enhances the capacity of circuit breakers.

22

A touching movement

Robots may be good at heavy and repetitive work, but when it comes to that special finishing touch, there's still nothing like – a robot.

26

A higher level of efficiency

What goes up when things get more level? Energy efficiency gets a boost as inverters shift to five-level technology.

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Integration breakthrough

Meet the DC breaker that integrates advanced control – and discover why it's time to give wiring a break.

Process innovations

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Speed and quality

Getting the most out of the IEC 61850 standard – ABB crafts a powerful substation automation engineering tool.

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Wellness for your profit line

Just think of all the failures that won't happen because ABB is monitoring the heartbeat of your plant.

45

On-site transformation

When a transformer needs repairs, it need no longer return to the factory. TrafoSiteRepair™ brings the factory to the transformer.

49

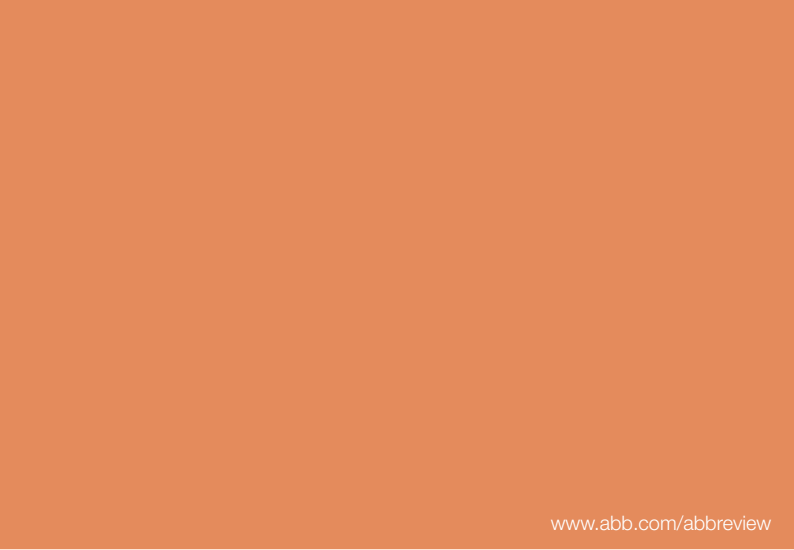
Integration guaranteed

The lack of a common platform for Process Analytical Technology is a bitter pill for the pharmaceutical industry. ABB is providing a sweeter medicine.

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Efficiency up, emissions down

Learn why more variables mean less variation, and how that can enhance plant profitability.



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R&D focus

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Green ships on the high seas

Tailor-made power turbines with turbocharger technology are cutting costs, fuel and emissions.

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The strongest link

How ABB is foiling blackouts in aluminum-smelting plants.

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More muscle, less waste

Fit not fat – ABB’s workout program ensures a plant isn’t wasting that valuable asset, energy.

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Wireless detection

No wires attached – meet the motion detector that was designed for comfort.



Perpetual pioneering

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100 years

From one steam boiler to a billion-dollar business: ABB celebrates a century of presence in China.

