# ABB Review 3/2009 Delivering power

## Energy and environment

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Challenges and opportunities aplenty The heat is on to confront the challenge of climate change.

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#### Controlling the gas flow

A power grid made of pipelines: ABB's SCADA and System 800xA provide a delivery solution for natural gas.

# Transmission and distribution

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#### Restoring confidence

When a storm brings feeder lines down, it takes a coordinated restoration strategy to put them back up.

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#### The power to make a difference

The connection of alternative generation calls for alternative transmission: HVDC Light®.

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#### The balance of power

How can a light solution provide a weighty contribution to transmission needs? The HVDC Light solution improves network stability.

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#### Smarter grids are more efficient

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#### Information, not data

As the growing ubiquity of measurement devices risks unleashing a "data tsunami," ABB has the strategies to keep the control room in control.

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#### Network management for smart grids

Working smarter before working harder:
The operation centers of distribution networks

The operation centers of distribution networks are rising to the challenge of complexity.

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#### In harmony

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#### **OPC Unified Architecture**

Connected and going live: ABB played a major role in defining the OPC UA standard for interconnectivity in industrial automation.



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How well do you know your subsystems? There is now a simple and safe way to import engineering data for subsystem integration.

# Perpetual pioneering

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#### High-voltage bushings

Electrifying experiences mean high-voltage equipment often needs stress control. *ABB Review* looks back on 100 years of high-voltage bushings.

