ABB Special Report Dancing with the Dragon

ABB in China

5

Flying with the dragon ABB embraces a century of cooperation with China.

9

Power and productivity

There are exciting times ahead as China gears up for tomorrow.

Powering the economy

16

A wind of change for energy production The grid is getting ready to go greener and cleaner.

21

Saving energy the efficient way Smart thinking means less waste.

28

Congestion relief ABB is enlightening cities by bringing on FACTS.

33

Breaking news Ultra-high-voltage switchgear makes its breakthrough in China.

38

Small footprint, high performance Air-insulated switchgear learns to do more with less.

43

Performing at a higher level Heat-pipe cooling for circuit breakers goes from pipe dream to reality.

Productivity

47

Chemistry matters ABB's production goes green.

50

Integrated but separate ABB's 800xA High Integrity is making control systems safer.

55

Hand in hand ABB's advanced control systems aren't daunted by complexity.

59

Projections of productivity Ergonomics in the control room is putting people in control.

64

Hard working but not exhausted From grime to green: Turbochargers are revolutionizing diesel engines.

67

Concrete energy savings Cement producers are casting aside inefficiency.

73

Networking

ABB's Energy Management System is facilitating emissions trading and optimization – not just on paper.

77

Parallel pumping

Improvements flow into parallel pumping thanks to IPC technology.



Robotics

82

With a human touch ABB's robots add to the shine as they learn to polish.

86

Virtual engineering I Offline programming puts robots ahead of the learning curve.

90

Virtual engineering II Optimized cell layouts help robots work smarter and faster.

93

A picture or a thousand words? Robot programmers are seeing the signs in cell engineering.

96

Hot-spot robotics

ABB's robotics solutions are spot on in automotive spot welding.

