

# Innovation highlights

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ABB's top innovations for 2013

### Data centers

#### 13 Power packed

Smart modular UPS designs

#### 16 Power factors

Power quality - problems and solutions

#### 20 Guaranteed power

Smart modular UPS designs provide flexibility and increase availability

## Energy and motion

#### 24 Cloud-controlled charging

ABB's connectivity solutions are changing the electric vehicle charging industry

#### 29 Intelligent workload

A new circuit breaker that reduces breaks by managing loads

### Communications

#### 36 Making the switch

ABB's new multiservice multiplexer, FOX615, meets the new challenges faced by operational communication networks

#### 42 Fine mesh

Mesh 802.11 wireless network connectivity

## Productivity and resources

#### 45 Cast and calculation

eRAMZES – Breakthrough in advanced computer simulations

#### 52 Net gain

Keep track of your control system via the Web with ABB's My Control System

#### 59 Conservation of energy

A paper machine fingerprint cuts energy usage

#### 64 More Power

New ABB motors make their mark

#### 70 Understanding your user

Ethnography helps deliver better operator interface displays

#### 76 Reactor reaction

ABB batch management with 800xA comes to Colombia for the first time