

### Software

#### 6 ABB's software is everywhere

Why ABB is a software company

## Embedded software

#### 12 A parallel future

Continuing innovation for next-generation real-time controllers through software

#### 17 Bridging customer needs

A movable bridge application arises out of embedded control programs in ABB low-voltage drives

#### 23 IT/OT convergence

How their coming together increases distribution system performance

## System software

#### 28 A capital asset

The PAS 55 specification and enterprise asset management

#### 35 Scaling factors

Software scalability for ABB's future IT

### Enterprise software

#### 39 Optimizing mining operations

Integration across the mining enterprise is key to increased productivity

#### 44 Model behavior

Using distribution models to deliver smart grid volt/var control

#### 52 Better together

The value of transforming data into actionable intelligence

# Software processes

#### 59 Taking the initiative

ABB's software development improvement initiative bears fruit

#### 64 Cyber security

Protecting critical infrastructure in a changing world

## Technology at large

#### 70 ABB drives training home

ABB helps set up and equip drives training center in Austria

#### 75 Sea change

ABB will set the standard for software on ships