



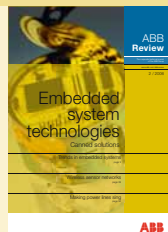
**1/2006:  
Contemporary  
manufacturing challenges**

The science of manufacturing	6
The manufacturing beat	12
Fasten your seatbelts	16
No risky business	19
Successful navigation of uncharted territory	23
Shortest road to China	28
Driving force	30
The Express Line	33
Breaker factory of the future	36
Smart manufacturing	39
More colors, less waste	43
Spot on	47
Operational Excellence	52
Simplicity pays	55
NEMESIS	59
Simulating success	65
Watchful eye	68



**3/2006:  
Ingenuity at large**

Beyond the sky	6
The "Silver Elephant"	10
Uncommon problems, common solutions	14
Robots with patients	21
Breathtaking – The Sherlock	
Holmes of gastroenterology	25
A wave of renewable energy	29
Guri Dam	32
The "shore" way to clean energy	37
The Arctic challenge	41
Electrifying London	46
Trained to fit	49
The compact converter	52
Cranes with brains	56
Hoist and haul	60
Skipping constraints	64
Gas spectroscopy	68
AquaMaster™	75
Making news	78



**2/2006:  
Embedded system technologies**

The challenge of embedded systems	6
Trends in Embedded Systems	9
Embedded system technology in ABB	14
Embedded power protection	18
Drivers of change	23
Roll and control	26
Embedded systems extend automation	30
DriveMonitor	35
Wireless sensor networks	39
High-performance Ethernet	43
Fieldbuses for drives	46
Motor medical	48
Making power lines sing	50
Bright ideas	54
Do-it-yourself robotics	58
Design patterns	62
Wireless power in wireless products	66
Coming of age	70
Signal processing in embedded systems	75



**4/2006:  
Innovation highlights**

FlexLean	6
Taming the robot	11
Best innovations 2006	15
Vision for a self-healing power grid	21
Data pipeline	26
More than meets the eye	30
Power semiconductors: part one	34
Reflecting on color	40
Color kitchen	44
Shedding light on color	46
Color control in real time	49
The cutting edge	53
Cementing profitability	59
Knowing your asset	63
Microsystems at work	68