The Connected Enterprise
Driving Business Optimization
Keith Nosbusch
Leading global provider of industrial power, control and information solutions

AUTOMATION SOLUTIONS for a broad range of industries

SERVING CUSTOMERS FOR 111 Years

- Technology innovation
- Domain expertise
- Culture of integrity & corporate responsibility
Customer Value Drivers

- Faster Time to Market
- Lower Total Cost of Ownership
- Improved Asset Utilization
- Enterprise Risk Management
THE CONNECTED ENTERPRISE

Optimized for Rapid Value Creation
Transactional data: orders, supply network, product design ...

IT

CONVERGENCE

ERP  FINANCIALS  HR  LOGISTICS  QUALITY  CRM  ...

OT

Real-time data: control, safety, security ...

SENSORS, ACTUATORS  CONTROLLERS  MATERIALS & TRANSPORT  MACHINES & EQUIPMENT  ...
THE CONNECTED ENTERPRISE

enhanced by the Internet of Things delivers transformational value in productivity and global competitiveness

Innovation

Faster Time to Market
Lower Total Cost of Ownership
Improved Asset Utilization
Enterprise Risk Management
The Connected Enterprise …

… is enabled by Integrated Control and Information
Integrated Control and Information
Our Core Platforms Deliver The Connected Enterprise
THE CONNECTED ENTERPRISE

Enabled by Integrated Control & Information

Smart Assets in the Field

Plant-wide Smart Assets

- Smart Assets
- Scalable Computing
- Secure Network Infrastructure
- Mobility & Visualization
- Multi-discipline Control & Information
- Information Management & Analytics
Distributed Smart Assets in the Field
Remote Asset Performance Management
Remote Monitoring
Liquid Natural Gas Terminals

INNOVATION IN AUTOMATED REMOTE MANAGEMENT
• Remote monitoring of equipment and stock levels
• Remote access to status, inventory, statistics for unmanned sites
• Actionable reports
Reservoir Productivity
Remote Pump Monitoring and Oil Field Optimization

Middle East site: 700 oil wells monitored

INNOVATION IN UPTIME AND EFFICIENCY
- Multi-well performance comparisons and optimization
- Equipment diagnostics and prognostics
THE CONNECTED ENTERPRISE

Enabled by Integrated Control & Information

Smart Assets in the Field

Plant-wide Smart Assets

- Smart Assets
- Scalable Computing
- Secure Network Infrastructure
- Mobility & Visualization
- Multi-discipline Control & Information
- Information Management & Analytics
Production Optimization
Line Integration, Multi-Plant Performance Management

Benefits

- Logix and new software tools for faster line integration
- Industrial data centers and remote monitoring for lower total cost of ownership
- Enterprise-wide optimization and OEE* dashboards to increase asset utilization
- Globally consistent safety and network services to reduce risk

*OEE: Overall Equipment Effectiveness
Brand Protection
Product Serialization

Unique serial numbers on every product, package, case and pallet

Trace materials from supply network to consumption
The Connected Enterprise
Implementation & Transformation

Rockwell Automation
Collaboration Is Key To Realizing The Connected Enterprise
Collaborating to Meet Competency Challenges

- STEM advocacy
- Worldwide university partnerships
- Industrial networking certification
- Hosted services
The Connected Enterprise

Delivers Customer Value Through Business Optimization

- Faster Time to Market
- Lower Total Cost of Ownership
- Improved Asset Utilization
- Enterprise Risk Management