Maintenance and Reliability – Workshop Sessions

Maintenance Manager or Engineer

TUESDAY, APRIL 29, 2008

Session 1:  10:30-11:30 a.m.
CSE-01-1  ABB Full Service Partnership Delivers Record Production Volumes
North American manufacturers are collaborating with ABB to transform their maintenance function from a cost center to a profit center through improvements to Overall Equipment Effectiveness (OEE). A successful transition from "business as usual" to ABB Full Service is the foundation required to seize the business opportunity. Included is a case study that outlines how a major North American consumer goods supplier to the building industry collaborated with ABB on a shared-risk maintenance partnership and successfully managed the transition resulting in record plant production volumes and product quality.

Session 2:  1:00 p.m.-2:00 p.m.
WSE-03-1  Improved Asset Reliability and Maintenance Cost Savings with Remote Diagnostic Services
After two years' experience delivering remote support for a wide variety of assets, this service has moved to the next level. Remote services now provide more extensive features to address remote asset optimization. Learn how ABB remote condition-based monitoring combined with global product and process expertise can help your staff to optimize your critical assets at every stage of their lifecycle - from installation and commissioning to predictive and corrective maintenance support.

Session 3:  2:30 p.m.-3:30 p.m.
WSE-01-1  Alarm Management: What are the Issues and What Works?
Alarm management is a hot topic, in part because of a number of high profile safety incidents. Who is engaged in alarm management and to what extent? What works well? What are the issues? What are the benefits? If you are interested in learning more about alarm management, this highly interactive workshop is right for you. Come and learn what others in the industry think and share your own thoughts and experiences.

Session 4:  4:00 p.m.-5:00 p.m.
PSE-02-1  Service Panel Discussion: How Have We Met Your Service Requirements and What are Your Needs for the Future?
Join ABB Service Management to discuss your experiences and your service requirements for the future. Have your service needs and requirements been met? How can we work together to improve our offering? Bring your questions, concerns, complaints as well as recognition for outstanding results.

WEDNESDAY, APRIL 30, 2008

Session 5:  8:00 a.m.-9:00 a.m.
WSE-05-1  Increase Up-Time and Reduce Scrap with PID Loop Tuning and Auditing Software and Support
ABB's approach to plant control loop performance improvement includes loop tuning and auditing software, secure remote connectivity and expert technical support. This approach leverages the tuning and auditing capabilities of ABB's proprietary Loop Performance Manager (LPM) software, and the value-add of 24-hour ABB expert support. At this workshop you'll learn how ABB can help you realize significant cost savings through improved product quality, reduced scrap and increased uptime - with loop tuning support.

Session 6:  9:30 a.m.-10:30 a.m.
CSE-04-1  Implementation of a Computerized Maintenance Management System Saves Costs and Accelerates Results: A Johnson & Johnson Case Study
To position its business processes and operational culture for Lean Manufacturing, life sciences manufacturer Global Biological Supply Chain, LLC (a wholly-owned subsidiary of Johnson & Johnson) undertook the implementation of a world-class Computerized Maintenance Management System (CMMS). GBSC used SAP technology to replace a legacy system that was no longer supporting its manufacturing, reliability, IT or compliance strategies. Learn how ABB Reliability Services successfully managed the program, from blueprinting through implementation and training.

Register today at www.abb.com/automationworld
Rubbermaid Case Study

The plant’s previous preventive maintenance system was an “un-championed,” clerical-driven, non-scheduled, “hit-and-miss” operation. ABB’s PM30 Hosted Maintenance Management System was installed in September, 1992. Calendar and schedule driven, with levelized task load planning, PM30 has helped maximize machine capacity and run-time, and minimize machine downtime for major repairs. This presentation explores how PM30 coupled with ABB’s World-Class experience helped Rubbermaid improve processes and profitability.

Successful Asset Management Strategies Begin with a Clear Understanding of Improvement Opportunity

If you have not already employed an asset management strategy, learn how to begin with a comprehensive site assessment. A site assessment provides critical information regarding efficiencies of existing processes, people and practices. A customized improvement program aligned with your plant-wide asset management strategy can be developed to coordinate and improve site maintenance activities. Join us to learn more about implementing and managing an asset management program to improve equipment reliability and financial return.

From Risk Assessment to Contingency Plan: Bayer’s Risk Management Approach to Improved Reliability and Compliance

In this workshop, Alessandro Ferroni of Bayer Corporation explores the use of risk assessment and overall risk management to improve both the reliability and compliance of a distributed control system, linking this effort to the preparation of effective contingency plans. Learn where and how Ferroni began his step-by-step, complete evaluation of Bayer Berkeley’s biotech manufacturing process to determine critical areas, and how the results of this evaluation are becoming successful changes in procedures, routing and reporting, redundancies and scheduling to maintain product quality and assure compliance at Bayer Berkeley.

THURSDAY, MAY 1, 2008

WSE-02-1 Continuous Lifecycle Management Services for Open Control Systems: More Than an Evolution Plan

A continuous improvement program, based on real-time information, can help you to maximize process control system productivity. Equipment optimization and upgrade opportunities, effective parts inventory management, on-site field service maintenance, skills training and support services must be evaluated. For added benefit, consider optimization services and application engineering support to continuously improve efficiency and productivity. A comprehensive requirements assessment and strategy to manage plant efficiency extend equipment life and provide the greatest return on your maintenance investment. Learn more about both at this workshop.

CSE-05-1 Planning and Scheduling Help Achieve Profitability Improvements: Rubbermaid Case Study

This presentation explores a structured approach used to guide an organization through the CMMS selection process. It examines the differences between maintenance management, as well as serve as an introduction to Reliability Information Studies. The attendee will learn how CMMS information can be used to establish maintenance strategies and implement “design for reliability” at the design stages of capital and engineering projects.

WSE-08-1 Successful Asset Management Strategies Begin with a Clear Understanding of Improvement Opportunity

One of the major challenges facing many companies is selecting the right Computerized Maintenance Management System (CMMS) for their organization. Some systems are targeted specifically for maintenance related activities, while others are considered fully integrated and incorporate maintenance functionality. Unfortunately some CMMS selection decisions are based on factors that may not support reliability strategies, asset management and/or basic user interface. As a result, avoidable resources are spent trying to complete reliability goals to improve overall performance. This presentation explores a structured approach used to guide an organization through the CMMS selection process.

CSE-03-1 From Risk Assessment to Contingency Plan: Bayer’s Risk Management Approach to Improved Reliability and Compliance

In this workshop, Alessandro Ferroni of Bayer Corporation explores the use of risk assessment and overall risk management to improve both the reliability and compliance of a distributed control system, linking this effort to the preparation of effective contingency plans. Learn where and how Ferroni began his step-by-step, complete evaluation of Bayer Berkeley’s biotech manufacturing process to determine critical areas, and how the results of this evaluation are becoming successful changes in procedures, routing and reporting, redundancies and scheduling to maintain product quality and assure compliance at Bayer Berkeley.

WSE-07-1 Security Validation Services Verify Compatibility of Your Security Policies with the Functionality of Your System

Malicious activity and a heightened regulatory environment make development and application of control system security policies necessary. Your policy compatibility with the functionality of your systems is important. ABB can test for compatibility and apply your security policies to your ABB products. This can simplify the process of determining what changes may affect system functionality. Learn more about ABB’s robust validation service offering, which provides auditing, testing, remedial actions and compliance maintenance activities.

WSE-04-1 Improving Computerized Maintenance Management Systems Implementations Using Reliability Informatics

This presentation will familiarize the attendee with Computerized Maintenance Management Systems (CMMS) and their place in Enterprise Resource Management, as well as serve as an introduction to Reliability Information Studies. The attendee will learn how CMMS information can be used to establish maintenance strategies and implement “design for reliability” at the design stages of capital and engineering projects.

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Reliability Manager or Plant Manager

TUESDAY, APRIL 29, 2008

Session 1: 10:30-11:30 a.m.
CSE-01-1  ABB Full Service Partnership Delivers Record Production Volumes
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Session 2: 1:00 p.m.-2:00 p.m.
CGC-05-1  Reliability is the Capstone to Manufacturing Excellence at Rohm & Haas
At Rohm & Haas, ABB’s PM30 Hosted Maintenance Management System is the essential foundation for a successful plant reliability program. In this case study, learn how PM30 has helped Rohm & Haas improve performing scheduled maintenance and has enabled product quality assurance to become a significant marketing and selling competitive advantage.

Session 3: 2:30 p.m.-3:30 p.m.
WGC-05-1  Making the First Step Count in the Reliability "Stairway to Heaven"
Most maintenance and reliability professionals have seen some form of the hierarchy of maintenance methodologies, from reactive maintenance to lifecycle management, and recognize the need to scale this ladder. Most would agree that the first step is the most critical and the one holding the biggest financial opportunity. A reliability management program that provides manufacturers all they need to make this important first step can be gained through a combination of focused assessments, business process improvements and an effective, hosted reliability system. This presentation demonstrates the successful application of such an approach in several process and manufacturing industries.

Session 4: 4:00 p.m.-5:00 p.m.
PSE-02-1  Service Panel Discussion: How Have We Met Your Service Requirements and What are Your Needs for the Future?
Join ABB Service Management to discuss your experiences and your service requirements for the future. Have your service needs and requirements been met? How can we work together to improve our offering? Bring your questions, concerns, complaints as well as recognition for outstanding results.

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Session 5: 8:00 a.m.-9:00 a.m.
CGC-06-1  Reliability, Availability & Maintainability Study Improves Performance, Enhances Reliability and Saves Costs at Conoco-Phillips: Oil Sands Battery Case Study
Typical Front End Loading (FEL) studies show that usually the maintainability and reliability aspects are not analyzed until the detailed engineering phase is complete. This presentation and Oil Sands Battery case study demonstrate how Reliability, Availability & Maintainability (RAM) studies performed in early stages can identify bottlenecks from a reliability standpoint, provide the project team an estimate of what will be the projected onstream availability of the unit based on equipment failure histories, and ultimately be of immense value to the project.

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Session 6: 9:30 a.m.-10:30 a.m.  
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A Johnson & Johnson Case Study
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Session 7: 11:00 a.m.-12:00 p.m.  
CGC-07-1  Vale Inco Turns to Iskueteu-ABB for Improved Start-up and On-going Operational Performance
This case study will describe how Vale Inco (formerly known as Voisey's Bay Nickel Mining Co.) approached maintenance in a different way when they built the Voisey's Bay nickel mine and concentrator site in Labrador, Canada. Traditionally, maintenance is a cost center. At Vale Inco, maintenance is treated as a profit center. Participants will discover how Vale Inco achieved impressive start-up results, quickly stabilized operations and is working to achieve ambitious operational goals.

Session 8: 1:30 p.m.-2:30 p.m.  
CSE-05-1  Planning and Scheduling Help Achieve Profitability Improvements: Rubbermaid Case Study
The plant's previous preventive maintenance system was an "un-championed," clerical-driven, non-scheduled, "hit-and-miss" operation. ABB's PM30 Hosted Maintenance Management System was installed in September, 1992. Calendar and schedule driven, with levelized task load planning, PM30 has helped maximize machine capacity and run-time, and minimize machine downtime for major repairs. This presentation explores how PM30 coupled with ABB's World-Class experience helped Rubbermaid improve processes and profitability.

Session 9: 3:00 p.m.-4:00 p.m.  
WSE-08-1  Successful Asset Management Strategies Begin with a Clear Understanding of Improvement Opportunity
If you have not already employed an asset management strategy, learn how to begin with a comprehensive site assessment. A site assessment provides critical information regarding efficiencies of existing processes, people and practices. A customized improvement program aligned with your plant-wide asset management strategy can be developed to coordinate and improve site maintenance activities. Join us to learn more about implementing and managing an asset management program to improve equipment reliability and financial return.

Session 10: 4:30 p.m.-5:30 p.m.  
CGC-01-1  ABB Full Service Partnership Drives Improvement in Plant Performance: A Boliden Case Study
Increasingly competitive market pressures and aggressive process improvement initiatives drove Boliden to partner with ABB FullService and enhance focus on its core processes. Through this partnership, Boliden has achieved significant process improvements, increased overall equipment effectiveness (OEE), and reduced total maintenance costs. In this presentation, participants will learn how ABB Full Service helped Boliden improve and achieve mutually agreed upon Key Performance Indicators.

THURSDAY, MAY 1, 2008

Session 11: 9:30 a.m.-10:30 a.m.  
CSE-06-1  Selection and Preparation for Implementation of a New EAM/CMMS into a World-Class Asset Management
One of the major challenges facing many companies is selecting the right Computerized Maintenance Management System (CMMS) for their organization. Some systems are targeted specifically for maintenance related activities, while others are considered fully integrated and incorporate maintenance functionality. Unfortunately some CMMS selection decisions are based on factors that may not support reliability strategies, asset management and/or basic user interface. As a result, avoidable resources are spent trying to complete reliability goals to improve overall performance. This presentation explores a structured approach used to guide an organization through the CMMS selection process.

Session 12: 11:00 a.m.-12:00 p.m.  
CGC-02-1  BP Chemical and ABB Turn Reliability Initiative into Operational Excellence
Faced with escalating global competition, rising costs and a shrinking skilled workforce, process industry and manufacturing companies must focus on improving processes to be successful. Through ABB's Reliability Consulting, BP's Decatur, Alabama (USA) site has improved work management efficiencies, contractor management controls and equipment reliability. This presentation explores how BP is currently implementing change to achieve and sustain these results while examining lessons learned.

Session 13: 1:30 p.m.-2:30 p.m.  
WGC-09-1  Reliability Assessment: A Critical Step to Effective Maintenance
Reliability Assessment is designed for corporate-level operational managers and plant-level operations managers and staff. Learn how some companies have successfully utilized a combination of computer tracking and home-build systems to stay ahead of the equipment repair and preventive maintenance game.

Session 14: 3:00 p.m.-4:00 p.m.  
CGC-04-1  Myllykoski Paper Partners with ABB Full Service to Achieve Operational Excellence:  
In-depth look into first year results
The results are in. After the first year of partnership with ABB Full Service, Myllykoski Paper has not only met but exceeded mutually agreed upon Key Performance Indicator targets! This presentation will explore how Myllykoski Paper, a manufacturer of high-quality wood-containing publication papers, was able to achieve significant cost savings, operational improvement, and increased Overall Equipment Efficiency (OEE) through focusing on its core processes and collaborating with ABB Full Service.

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Session 15:  4:30 p.m.-5:30 p.m.
WGC-04-1  Keys to Effectively Deploying a Reliability Centered Maintenance Strategy
This presentation will explore the key elements required to effectively deploy a reliability centered maintenance (RCM) strategy that supports your operational excellence goals and improves overall financial performance. Run-to-failure (RTF), preventive maintenance (PM) predictive maintenance (PdM) and condition-based maintenance (CBM) are all common maintenance practices deployed by industry today. Rarely does a facility follow a single maintenance approach; historically, a blend of both run-to-failure and preventive maintenance tactics has been used. The challenge is to develop a balanced strategy that ensures an asset's performance, availability and life at the lowest cost. A reliability centered maintenance strategy provides this balance.