

DAY 2 Details of Enterprise Asset Management Systems Training Power Point sold at BIN95.com (109 slides)

Section 2 - 'Sam learns Enterprise Asset Management success' - IMPLICATIONS

BUILD-IN PLANT AND EQUIPMENT WELLNESS AT DESIGN

- Plant and Equipment Life Cycle
- Ask for Maximum Life Cycle Profit
- Solving Bad Equipment Life Cycle Costs
- Calculate Failure Costs During Design
- Design and Operating Costs Total Optimization Review (DOCTOR)

MANAGE PLANT and EQUIPMENT LIFE CYCLE RISK

- Life Cycle Risk Management Strategy
- Equipment Refurbishment Decisions and the Cost Drivers
- Effects of Production Process Variability
- Apply Basic Statistical Control and Visual Management
- When Process Variability is Out-of-Control
- Process Quality Control Starts by Setting Outcome Limits
- Problems are Variations Caused by Defects
- Move to 'Preventive' Quality Control

CONTROLLING the RELIABILITY of HUMAN DEPENDENT PROCESSES

- Activity 5 - Human Error Rates
- Reliability of Human Dependent Processes
- Accuracy Controlled Expert
- Accuracy Controlled SOPs Prevent Variation
- Including 3T Failure Prevention in SOPs
- Accuracy Controlled Enterprise (ACE) Standard Operating Procedures
- Failure Preventing Job Procedures - 3Ts Builds Accuracy Control into SOPs
- Waste is Eliminated in this Process
- Standardize Human Dependent Processes with Accuracy Controlled Procedures

Section 2 (Continued) ...

SYSTEM-WIDE THINKING

- Effect of System Failures Across Life Cycle
- Variability and Risk Across the Life Cycle
- Think 'System Wide' Solutions
- World Class Practices at Every Step
- World Class Practice In Every Step Requires a Quality Management System
- Stop Equipment Failures in the same way that you stop Safety Incidents

RISK REDUCTION, RISK MANAGEMENT, RISK CONTROL, RISK MITIGATION, RISK PREVENTION

- What Risks Are Out There?
- Risk Reduction vs Safety Management
- Which Risk Reduction Methods are Best?
- Combining Strategies for Reliability Improvement
- Using Condition Monitoring to Optimize Availability

THE PRECISION DOMAIN

- Precision Maintenance of Machinery is ...
- Precision is a Serious Opportunity
- Precision Domain - A Powerful Business Case
- Precision Maintenance and CBM used Together Effectively Reduce Failure

PEOPLE ARE ALL THAT MATTERS

- A Champion Team
- Hierarchy of Performance Indicators
- Benchmarking for Direction
- Benchmarking for Performance
- Tale of Two Types of Organization
- Characteristics of Top Reliability Performers
- Cultural Characteristics
- The Pacesetter's Business Model
- Create an Equipment Performance Vision
- Develop A Route Map to Follow
- Keeping People Focused on Reliability
- Creating Reliability Across the Life Cycle

Section 2 (Continued) ...

CASE STUDY No 1 - POWERTRANS

- The PowerTrans Approach
- Asset Operation Sets Strategy
- Organization Structure
- Start with a Corporate Asset Management Policy
- Set the Maintenance Objectives
- Cascaded Performance Measures
- Challenge Organizational Structure and Culture to Seek 'Passion and Spirit'
- Overview of PowerTrans Process

CASE STUDY 2 - DuPont Chemical EXPERIENCE

- Benchmark to Recognize Where You Are
- Business Competitiveness Needs ...
- Organizations Need to Focus on What Delivers Excellence
- Plant Uptime Became The Driver
- Set Important Business Success Indicators
- Develop a Plan of How to Get There
- Integrated Business Systems
- Systems Thinking is Needed for Uptime
- Tools on the Journey to Reliability
- Prerequisites for Success
- Defect and Failure Elimination
- Problems from the Workplace
- Work On the 'Human Element' Factor
- Apply a Change Management Process
- DuPont Asset Management Overview

IMPORTANCE OF SETTING STANDARDS and STANDARDISING

- Standards and Standardization
- Asset Management in a Nutshell