

# Plant Reliability in Dollars & Sense™

## Day 1

### The Business of Plant Reliability Management

- What corporate and plant leaders need to know about plant reliability
- A clear explanation of how reliability affects the income statement, balance sheet and share price
- How to find profits in the “Commodity Sandwich” and the hidden plant
- How to beat your competitors and satisfy your customers by improving reliability
- How to quantify the benefits of plant reliability
- Creating proposals for reliability initiatives: what works
- Reliability in the economic value added equation and why the Lean Asset Manager always wins
- The critical connection between lean manufacturing and plant reliability
- How the perception of risk drives reliability investments
- How to align operations, maintenance and design to the same vision for plant reliability
- The strategic and functional domains of plant reliability management
- Why you can’t just buy reliability and how to reengineer your business processes

#### What they’re saying about Troyer’s Plant Reliability in Dollars & Sense....

“Excellent seminar! It will help us solidify our continuous improvement journey by translating reliability efforts into senior leadership language (money).” - *Randy Woolley, asset manager, Kennecott Utah Copper*

“This seminar could not only transform our plant and company but could change American manufacturing as a whole for future generations.” - *Rod Chandler, production manager, Temple-Inland*

### Plant Reliability Tool Kit

- Why preventive maintenance is not necessarily proactive
- How to build on the foundation of reliability engineering
- How to use weibull distribution to uncover time dependencies in failure rate
- Foundational strategies for increasing reliability
- Six controllable operational and environmental elements that help extend service oil life
- How to build your standardized taxonomy of failure modes
- Understanding Root Cause Analysis – a proven improvement tool
- How to conduct RCA and the seven best identification categories
- How to evaluate time to failure – mode by mode
- How to guard against “corporate amnesia” with procedure-based manufacturing
- How plant operating and maintenance procedures drive consistency, continuity and skills management for best practice
- 7 enablers to make “people + systems = success” work
- Three project evaluation methods: when and how to use them
- How to connect skills management to procedures
- Ammunition for getting workforce training proposals accepted
- Unbiased group decision making - it’s easier than you think
- Plant reliability management case studies

#### Schedule Your Business Transforming Event Today!

Contact **Stacey McCauley** for Availability:  
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(662)890-9392 (o) / (901) 387-9974 (m)

## Plant Reliability in Dollars & Sense™

### Day 2

#### Design for Reliability

- Why poor design results in poor operability and maintainability
- 27 point checklist for designing electrical systems for reliability
- 42 point checklist for designing mechanical systems for reliability
- Ways to stop design teams from compromising reliability, operability and maintainability
- 26 principles of designing for maintainability
- Best practice design for reliability case studies

#### Operate for Reliability

- How to increase availability with single minute exchange of dies
- How to reduce changeover time and improve production
- Six steps for managing operator alarm systems
- How circadian rhythms affect human performance and operational reliability
- How to use reliability data to estimate the risk of disappointing your customers
- How to estimate the real operating risk for your plant
- Operate for reliability case studies

#### Turn Training into a Game Plan!

Keep Drew for two more days...you'll get:

- **Analysis of your strengths, weaknesses, opportunities and threats (SWOT) on the 12 Dimensions of plant reliability.**
- **Economic analysis of your economic opportunities – increased revenue, decreased costs, profit, return on net assets (RONA) and share price.**
- **Creation of a sensible implementation plan and timeline.**

#### Maintain for Reliability

- How maintenance really affects productive output
- Eight RCM-based equipment maintenance strategies
- How to use precision maintenance to eliminate failures and ensure success
- The 10 most common precision maintenance pitfalls
- How to optimize the deployment of condition monitoring and condition-based maintenance
- How to power up wrench time with planning and scheduling
- Shutdown metrics: the top six KPIs to monitor
- Maintain for reliability case studies

#### Creating and Implementing Your Plant Reliability Strategy

- How to create a successful cultural change game plan
- The six most important players to have on your team
- How to survive organization change
- How to combat resistance to change, and win
- How to assess your strengths, weaknesses, opportunities and threats
- How to make the reliability initiative last
- How to implement metrics for plant reliability management

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