



Operational Excellence The Plant Wellness Way



Introduction:

Now every industrial business can reach operational excellence performance and deliver maximum operating profits. Through this operational excellence course your operation can become highly effective, efficient and reliable in incredibly quick time. It gives you a complete solution with all the tools, training and knowledge you need to take your industrial business to world class performance. You will no longer wonder what you need to do to change your company into a highly productive operation that makes outstanding operating profit. You will know exactly how to do so, and most importantly, you will know how to pick the most profitable options to take. This course will enable you develop a system for creating optimal production performance. Starting from where your company is today, you rebuild your business processes to produce the best production results you have ever seen, and you get to keep that performance forevermore.

This course will provide you with a powerful operational excellence framework and successful operational excellence strategy covering key elements of systems engineering, reliability engineering, maintenance management, operational management, risk management, industrial engineering and business process management. You will learn sound financial management practices from a course that provides full coverage of all the important factors that create

operational excellence success. This course will enable you to build a business system that produces best productivity, problem-free operation and maximum operating profits.

Who Should Attend?

OE champions, Maintenance managers, engineers & planners, reliability and maintenance engineers, facilities and utilities managers, top level maintenance technicians, operations and production managers & engineers, plant engineers, design engineers, reliability engineers/technicians, operators, safety engineers, risk engineers, CMMS and spare parts personnel, safety engineers and anyone who is involved in reliability engineering strategies or methodologies to include design engineers for capital projects engineers

Course Objectives:

By the end of this course delegates will be able to:

- Make your plant and equipment run consistently at the highest possible availability
- Make the most operating profits possible
- Reduce all production costs and wastes to the lowest rate
- Get utmost throughput from existing plant without spending new capital moneys,
- Make higher productivity absolutely certain so you guarantee big operating profits
- Make your company a world class operational excellence performer.
- Control variability in business and operating processes to optimal limits
- Prevent operating risk by reducing chance of adverse incidents
- Use failure prevention quality standards in your plant and equipment lifecycle
- Stop human error by adding accuracy and precision to maintenance and operating work tasks and activities
- Minimize total life cycle costs
- Solve your production, reliability and maintenance problems
- Get your business processes (projects, engineering, operations, finance, and quality) interacting correctly to deliver high plant availability with low operating costs

- Learn the key maintenance best practices and high reliability work techniques
- Maximize your life cycle profits with design, operations, maintenance and finance processes

Course Outline:

- Creating Reliability in Your Industrial Systems, Processes, Plant and Equipment
- Business Process Control and Capability
- Process Loss Function
- Process Quality Function
- Plant Wellness Way Tools
- Physics of Failure
- How You Create Reliability
- The True Size of Your Operational Risks
- Defect Creation in Your Operation
- 6 Purposes of Maintenance
- Precision Standards for Reliability
- Precision Maintenance for Reliability
- Lifecycle Asset Management and Maintenance to Use for Operational Excellence
- The Real Life Cycle of Your Physical Assets
- Does Your Asset Management System Create Reliability?
- Import You Understanding Your Asset Lifecycle
- Human Error
- Human Factors
- How to be an Accuracy Controlled Enterprise
- Useful Process Monitoring and Measuring
- Selecting the best process performance measures
- Know Your Total Business Wide Costs of Failure
- Short term KPI's

- Long term KPI's
- Cascade your KPI's
- KPI Distribution Curves
- When is benchmarking useful?
- Have a great Root Cause Failure Removal Process
- Create a System of Endless Reliability
- Building a Plant Wellness System-of-Reliability
- Designing and Creating Your Operational Excellence the Plant Wellness Way
- The Business and Work Process Controls You Need
- What Lean Six Sigma Cannot Do for You
- Process Redesign the Plant Wellness Way
- Business Risk Reduction
- Using the 'Stress to Process' Model
- Life Cycle Risk Reduction
- Operating Risk Reduction
- Machinery Risk Reduction
- Making the Right Changes Stick
- The PWW 8 Step Program to Operational Excellence