Lifetime Reliability • Solutions

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Operational Excellence the Plant Wellness Way

Bring world-class equipment performance to your operation

The training content coverage in the 'Operational Excellence for Outstanding Plant Reliability' course is thorough and includes the work processes and the business systems needed to coordinate and achieve maximum production plant and equipment performance. Find out how to institute the vital practices and systems to achieve maximum life-cycle profits from your operating plant and equipment. Be guided with the right concepts from their implications through to their masterful implementation.

Day 1 – Reliability Foundations	Day 2 – Operational Excellence Processes	Day 3 – Reliability Creation
Physics of Failure • Component Distress • Deformation and Degradation • Physics of Failure (PoF)	Operating Risk Identification • Process Mapping • Defect Identification • Downtime Costing	Business Risk Reduction • Design Operational Excellence into Operating Processes • Selecting Useful Quality Controls • Document the Correct Ways
Reliability • Definitions • Modelling • Process Variation	Operating Risk Selection • Risk Rating • Risk Response Rating • Equipment Criticality	Stress to Process Model • Machine Health Creation Process • Supporting Business Processes • Introducing the Right methods
Risk • The True Risk Equation • Risk Modelling • Operating Risk Reduction	Risk Control Planning • Risk Strategy Selection • Risk Cost Calculator • Confirming Risk Reduction	Life Cycle Risk Reduction • Key Life Cycle Decisions • Totally Optimised Risk • Gauge Likely Profit Improvement
Cost of Failure • Defect and Failure Total Cost • Reactive Breakdown • Proactive Reliability	Risk Control Introduction • Improving Process Design • Work Quality Assurance • Organisation Structure	Operational Risk Reduction • Failure Factors Analysis • Risk Reduction Strategy Selection • Economic Maintenance Selection
Series Arrangements • Series Arrangements • Parallel Arrangements • Properties of Series Systems	Operating Risk Monitoring • Operation Performance Measure • Selecting KPIs • View Process Stability	Machinery Risk Reduction • Reliability Growth Cause Analysis • Reliability Maintenance Standards
Human Error • Human Error • Human Factors • Controlling Human Error	Risk Continual Elimination • Failure Prevention Cycle • Root cause Analysis • Precision Maintenance	Making Changes • Change Management • Map the Improvement Journey • People Working Together
Life Cycle • Maximising ROI • Profit Optimisation • Least Operating Costs		
Reliability Improvement • Component Reliability • Standardisation • Systemisation		

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With the right systems, the right methods and the right practices of Plant Wellness in your operation you can have:

- 100%-dependable full production,
- in-full-on-time delivery,
- continual first-pass quality product,
- sustained maximum throughput,
- no penalty claims,
- no breakdowns,
- non-stop highest plant availability,
- dramatically extended time between failures,
- free extra production from your 'hidden factory'.

- make plant and equipment run consistently at highest availability
- produce at full capacity with 100% first-pass-quality
- make the most operating profit and need to be sure to get there
- reduce their production costs and wastes
- get the utmost throughput from existing plant without new capital
- make higher productivity inevitable.