

Operational Excellence the Plant Wellness Way

3-Day Training Course

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 <ul style="list-style-type: none"> • Component Distress • Deformation and Degradation • Physics of Failure (PoF) • Failure Rates | Operating Risk Identification <ul style="list-style-type: none"> • Process Mapping • Defect Identification • Downtime Costing | Business Risk Reduction <ul style="list-style-type: none"> • Design Operational Excellence into Operating Processes • Selecting Useful Quality Controls • Document the Correct Ways |
| Reliability <ul style="list-style-type: none"> • Definitions • Modelling • Distributions • Process Variation | Operating Risk Selection <ul style="list-style-type: none"> • Risk Rating • Risk Response Rating • Equipment Criticality | Stress to Process Model <ul style="list-style-type: none"> • Machine Health Creation Process • Supporting Business Processes • Introducing the Right methods |
| Risk <ul style="list-style-type: none"> • The True Risk Equation • Risk Modelling • Operating Risk Reduction | Risk Control Planning <ul style="list-style-type: none"> • Risk Strategy Selection • Risk Cost Calculator • Confirming Risk Reduction | Life Cycle Risk Reduction <ul style="list-style-type: none"> • Key Life Cycle Decisions • Totally Optimised Risk • Gauge Likely Profit Improvement |
| Cost of Failure <ul style="list-style-type: none"> • Defect and Failure Total Cost • Reactive Breakdown • Proactive Reliability | Risk Control Introduction <ul style="list-style-type: none"> • Improving Process Design • Work Quality Assurance • Organisation Structure | Operational Risk Reduction <ul style="list-style-type: none"> • Failure Factors Analysis • Risk Reduction Strategy Selection • Economic Maintenance Selection |
| Series Arrangements <ul style="list-style-type: none"> • Series Arrangements • Parallel Arrangements • Properties of Series Systems | Operating Risk Monitoring <ul style="list-style-type: none"> • Operation Performance Measure • Selecting KPIs • View Process Stability | Machinery Risk Reduction <ul style="list-style-type: none"> • Reliability Growth Cause Analysis • Reliability Maintenance Standards |
| Human Error <ul style="list-style-type: none"> • Human Error • Human Factors • Controlling Human Error | Risk Continual Elimination <ul style="list-style-type: none"> • Failure Prevention Cycle • Root cause Analysis • Precision Maintenance | Making Changes <ul style="list-style-type: none"> • Change Management • Map the Improvement Journey • People Working Together |
| Life Cycle <ul style="list-style-type: none"> • Maximising ROI • Profit Optimisation • Least Operating Costs | | |
| Reliability Improvement <ul style="list-style-type: none"> • Component Reliability • Standardisation • Systemisation | | |

With the right systems, the right methods and the right practices of Plant Wellness in your operation you can get these Operational Excellence results:

- 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.

Plant Wellness Way to Operational Excellence Training Course Workbook and Reference Materials

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