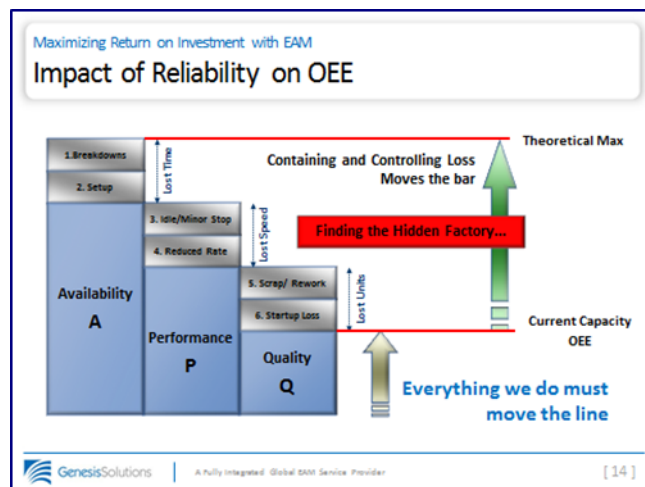
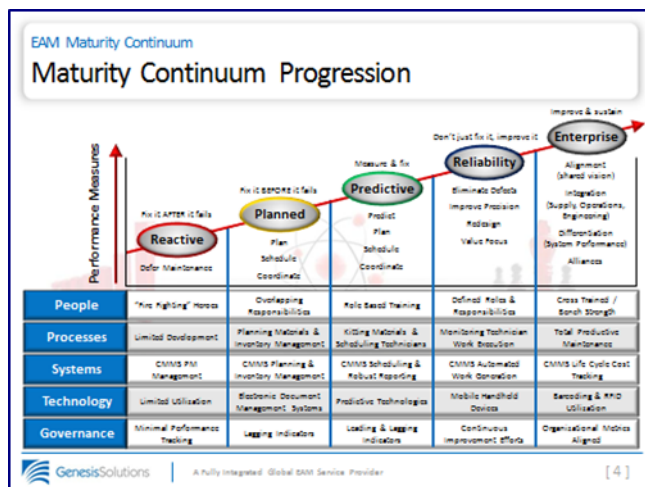


GenesisSolutions – Reliability Engineering Workshop



Overview

The Reliability Engineering Workshop is designed to provide a hands-on opportunity to improve the performance of a plant “bad actor” asset. Reliability Engineering methodologies, templates and tools are introduced. A plant walk down of the bad actor in the field is used to connect classroom lessons with reality and an FMEA including a Functional Block Diagram is completed using a team approach, just as in the ‘real world’. The PM program is optimized including the application of predictive maintenance technologies and Operator Care / TPM tasks. Organizational Change tools are introduced with examples of how they have been successfully applied in similar situations. A prioritized action plan with timetables and metrics is created to ensure the improvements from the workshop are sustained and a final Workshop Report which includes all work and documentation is provided. Attendees will leave with an actionable plan for one of their own “bad actors”.

Agenda Highlights

- Reliability Engineering Principles, Roles & Responsibilities & Successful Case Examples
- Risk Ranking of Assets – Methodology and Activity (Representative Samples from the Site to Compare against Best Practice Examples)
- Prioritize Asset for Detailed Reliability Analysis (FMEA, RCFA). Includes Review of Instructor’s Plant Walk Through Findings, Maintenance History Analysis, and Criticality Ranking
- Activity – Bad Actor Asset Walk Down in the Field. Documentation, Draft Functional Block Diagram, Photos, Operator Interviews and Maintenance Tech Interviews
- Failure Modes Introduction and Development
- Root Cause Failure Analysis (RCFA) Using 5 Whys & Fishbone Documentation
- PM Optimization Overview and Examples

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Agenda Highlights Continued

- Reliability Based Design
- Team Skills (Facilitation, Brainstorming, Interviewing Techniques, Effective Meetings)
- Organizational Change Management – Methodology and Tools
- Training Aids – One Point Lesson Plans
- Action Tracking: Baseline Data – From Which to Measure Improvement
- Next Steps and Timeline Development
- Training Results Report Out & Commitments with Site Management

Intended Audience

10-12 Attendees, Including Plant Level Reliability Engineers, Senior Maintenance Technicians and Senior Equipment Operators – Please Note: A 1.5hr Managers Overview Is Available for Inclusion in the Workshop

Prerequisites

Key site individuals who have direct “hands-on” responsibility for equipment reliability improvement and who are expected to use reliability methodologies, templates and tools in their daily work.

Cost & Scheduling

The cost for this 3-day Onsite Workshop is \$10,500.00.

Please contact GenesisSolutions at (203) 431-0281 or info@genesissolutions.com for additional information or scheduling purposes.