



MASTER RELIABILITY — SOLUTIONS —

SOLVE THE PROBLEMS. IMPROVE RELIABILITY. DRIVE RESULTS.

28 SERVICES. ONE GOAL:
RELIABLE EQUIPMENT. STRONGER PERFORMANCE.



1 MAINTENANCE & RELIABILITY CONSULTING Improve equipment reliability, maintenance systems, and plant performance.	2 ROOT CAUSE ANALYSIS (RCA) Investigate recurring failures and identify evidence-based root causes and corrective actions.	3 BREAKDOWN ANALYSIS (BDA) Preserve failure evidence, reconstruct equipment breakdowns, and prevent repeat failures.	4 POINT FAILURE ANALYSIS (PFA) Identify, map, prioritize, and eliminate chronic equipment and process failure points.	5 MANUFACTURING EXCELLENCE CONSULTING Improve OEE, throughput, quality, productivity, and operational performance.	6 OEE IMPROVEMENT & LOSS ANALYSIS Identify availability, performance, and quality losses limiting production capacity.	7 PRODUCTION DOWNTIME REDUCTION Investigate recurring downtime and hidden production losses to improve equipment availability.
8 PREVENTIVE MAINTENANCE OPTIMIZATION Improve PM tasks, frequencies, standards, and effectiveness based on equipment risk.	9 PREDICTIVE & CONDITION-BASED MAINTENANCE Develop practical condition-monitoring strategies to detect deterioration earlier.	10 AUTONOMOUS MAINTENANCE / TPM Develop operator equipment-care systems using inspection, cleaning, lubrication, and standards.	11 EQUIPMENT FAILURE INVESTIGATION Analyze physical evidence and operating conditions to determine why equipment failed.	12 RELIABILITY CRIME LAB® INVESTIGATIONS Apply structured investigative methods to equipment, process, and production problems.	13 24-HOUR PRODUCTION WINDOW ANALYSIS Reconstruct the production day to uncover downtime, delays, and hidden capacity losses.	14 HIDDEN FACTORY & PRODUCTION LOSS ANALYSIS Find recurring losses, workarounds, waiting, adjustments, and unrecorded downtime.
15 LEAN SIX SIGMA CONSULTING Use DMAIC and statistical problem solving to reduce variation, waste, defects, and process losses.	16 PROCESS IMPROVEMENT CONSULTING Analyze manufacturing processes and develop practical improvements for sustainable performance.	17 SMED & CHANGEOVER REDUCTION Analyze changeovers and reduce setup time, waiting, motion, adjustments, and startup losses.	18 EQUIPMENT RELIABILITY TRAINING Build operator and technician skills for detecting deterioration before functional failure.	19 ROOT CAUSE ANALYSIS TRAINING Teach teams structured methods for investigating failures and developing effective corrective actions.	20 BREAKDOWN ANALYSIS TRAINING Teach teams how to preserve evidence, reconstruct failures, and investigate equipment breakdowns.	21 OEE TRAINING & WORKSHOPS Teach teams how to understand OEE losses and turn production data into improvement opportunities.
22 LEAN SIX SIGMA TRAINING Practical White, Yellow, Green, and Black Belt training focused on manufacturing applications.	23 FORENSIC SPECIALIST CERTIFICATION Develop practical equipment investigation, deterioration detection, and diagnostic skills.	24 OPERATOR RELIABILITY TRAINING Teach operators to recognize abnormal conditions and early equipment deterioration.	25 MAINTENANCE TECHNICIAN TRAINING Strengthen troubleshooting, failure recognition, evidence collection, and reliability practices.	26 RELIABILITY PROGRAM IMPLEMENTATION Turn reliability strategies into practical plant-floor systems, standards, and routines.	27 CONTINUOUS IMPROVEMENT IMPLEMENTATION Provide hands-on support to move improvement initiatives from planning to execution.	28 MANUFACTURING TRAINING & WORKSHOPS Customized on-site training for operators, technicians, supervisors, and plant leaders.

INVESTIGATE. SOLVE. IMPROVE.

Evidence-Based Solutions. Practical Results. Lasting Improvement.

FIND THE EVIDENCE
Look deeper.
Uncover what others miss.

IDENTIFY THE CAUSE
Use proven methods.
Find the real cause.

IMPROVE THE SYSTEM
Implement practical solutions
that deliver results.

PREVENT RECURRENCE
Fix the system.
Prevent the problem.

BUILD CAPABILITY
Train your people.
Build lasting reliability.