

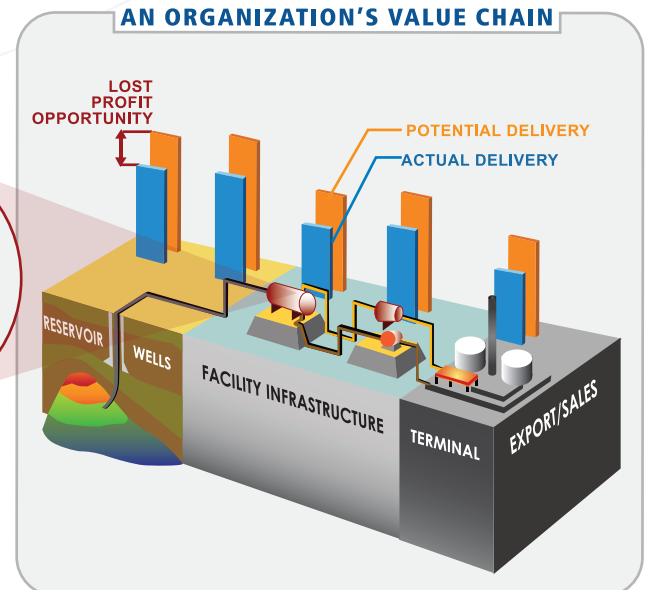
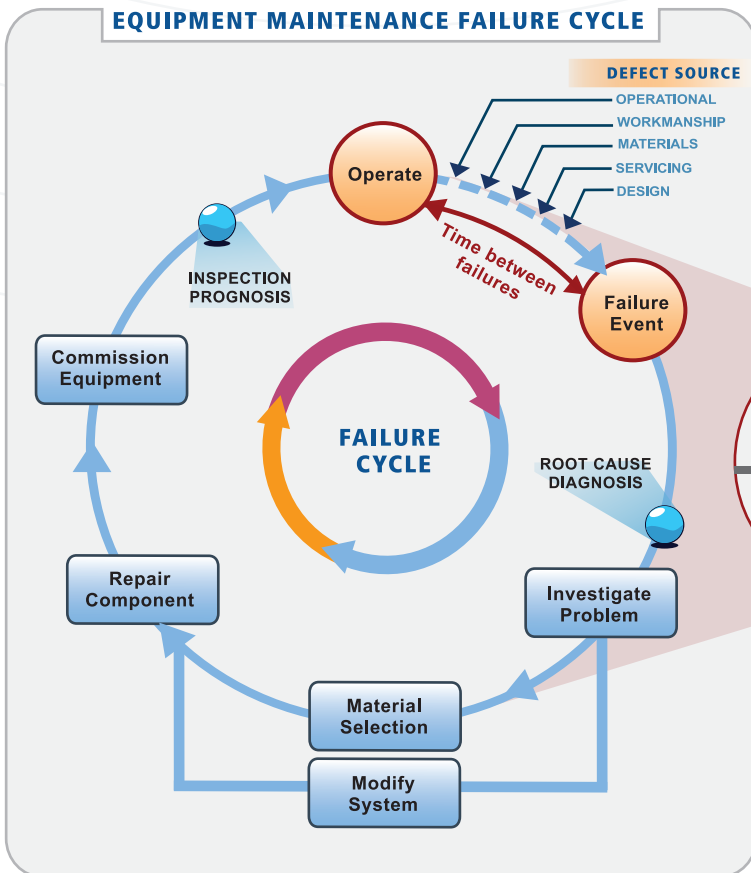
OPERATIONS, MAINTENANCE & RELIABILITY EXCELLENCE



Our passion is working with organizations to increase efficiencies in maintenance operations and capital projects. The i-QS Maintenance Framework process provides an effective way to manage organization functions through the quality management stages of planning, delivery, performance measurement to the 'analyze & improve' feedback loop. We simplify processes and assist organization transformations using consistent process methods to identify where to make gains and develop a roadmap to implement focused maintenance improvements that will deliver sustained results in plant and equipment reliability, availability and utilization through team ownership.

WE DELIVER THESE RESULTS

- Optimized Maintenance Program ■
- Uptime Improvement ■
- Maintenance Cost Reduction ■
- Comprehensive Maintenance Procedures ■
- Maximize Equipment Reliability ■
- Optimized Use of Plant & People Resources ■
- Minimization of Intrusive Activities ■



“We assisted one client in reducing operating costs by 30%, improved asset efficiency by 7% whilst improving safety performance through a significant change program in maintenance planning and execution that affected the whole organization”

OUR MAINTENANCE & RELIABILITY SERVICES

OPERATIONS, MAINTENANCE &
RELIABILITY EXCELLENCE



INTELLIGENT PLANS

STRATEGIC VALUE & RISK

- Asset Value Mapping
- Equipment Criticality Review
- Maintenance Philosophy Development
- Maintenance & Reliability Strategy Development
- Life Cycle Cost Analysis
- RAM Analysis

MAINTENANCE & EQUIPMENT PLANNING

- Generic Equipment Strategies
- Maintenance Tactics Selection
- Safety Critical Element Performance Standards
- FMEA (Failure Modes & Effects Analysis)
- SIL Assessment
- Reliability Centered Maintenance Review
- Condition Monitoring Program Development
- Defect Elimination Program Development
- Spares Strategy

CHANGE & IMPROVEMENT PLANNING

- Facilities Benchmarking Analysis
- Maintenance & Reliability Assessment
- Maintenance & Reliability Improvement Plans

MAINTENANCE SERVICES PLANNING

- Maintenance Contract Strategies
- Services Benchmarking Analysis
- Services Contract Development
- Vendor Contract Plans

ORGANIZATION PLANNING

- Man Power Estimating & Benchmarking
- Organizational Analysis & Change Risk
- Competency Planning

WORK PROCESS PLANNING

- Maintenance & Reliability Excellence Standards
- Maintenance Guideline Development



QUALITY DELIVERY

MAINTENANCE PROGRAM IMPLEMENTATION

- Maintenance Program Build
- CMMS Configuration and Structure
- CMMS Rationalization & Optimization
- CMMS Specification
- Maintenance Plan and Schedule Development
- Defect Elimination Program Implementation

CHANGE & IMPROVEMENT PROGRAM

- Improvement Program Development
- Change Management Facilitation

MAINTENANCE SERVICES CONTRACTS SUPPORT

- Prepare Service Contracts
- Develop Contract Incentive Programs

TEAM BUILDING

- Competency Program Build
- Coaching and Training
- CMMS User Training

WORK PROCESS BUILD

- Maintenance Procedures Development
- Management System Development



PERFORMANCE ANALYSIS & IMPROVEMENT

MAINTENANCE PROGRAM ANALYSIS

- Maintenance Backlog Reduction Review
- Maintenance Tactics Opportunity Analysis
- Maintenance Plan and Schedule Analysis
- CMMS Quality Assessment
- Maintenance Tasks & Program Optimization
- Maintenance Cost Analysis

EQUIPMENT RELIABILITY DIAGNOSTICS

- Defect Knowledge Capture & Analysis
- Forensic Failure and Root Case Analysis
- Corrective Work Order Analysis
- Process Alarm Analysis
- FMEA of Problem Equipment
- Failure History Review
- Uptime and Reliability Performance Studies
- Loss Reporting Studies
- Critical Spares Assessment & Economic Analysis

CHANGE & IMPROVEMENT ACTIONS

- Improvement Cost Benefit Analysis

MAINTENANCE SERVICES STUDIES

- Contract Strategy Review
- Maintenance Services Analysis
- Contract Performance Analysis

ORGANIZATIONAL ANALYSIS

- Maintenance Man Power Estimation
- Productivity Studies
- Organization Risk Assessment

WORK PROCESS REVIEW

- Maintenance Process Streamlining
- Problem Solving Processes
- Process & Procedure Gap Analysis

Visit www.i-QS.com/WASP for more of our applications



SMART PERFORMANCE MEASURES

MAINTENANCE PROGRAM MEASUREMENT

- Maintenance Program KPI Workshops
- Maintenance Program KPI Monitoring
- CMMS Reporting
- CMMS Interface Configuration
- Maintenance Audits
- Maintenance Cost Performance Workshops & Monitoring

EQUIPMENT RELIABILITY MEASUREMENT

- Equipment Reliability Metrics Workshops
- Equipment Reliability Metrics Monitoring
- Loss Reporting Structure
- Loss Reporting System

CHANGE & IMPROVEMENT MEASUREMENT

- Improvement Plan Reporting

MAINTENANCE SERVICES MEASUREMENT

- Contract and Vendor KPI Development
- Contractor Performance Audits
- Service Contract Audit and Close Out

Some of our maintenance applications:



COMPASS™



i-PM Tactics™



Knowledge Capture™



Failure Mode & Effects Analysis Tool™



Spares Analysis & Review Tool™



Maintenance Strategy Selection Tool™



Proactive Defect Elimination™



RCM-iQ Process™



Visual Risk™



Plant Integrity Inspection™