

# ASSET STRATEGY DEVELOPMENT WORKSHOP

## OVERVIEW

Active working session designed to establish a logical, measured, and data-driven approach to asset care. Executed early in a reliability journey, Asset Strategy Development enables organizations to move from reactive maintenance to intentional, maximize asset performance, improve safety & quality, and reduce unit cost. Rather than focusing on theory, this workshop produces tangible, site-ready deliverables: asset strategies, failure mode libraries, decision logic, operator care checks, condition monitoring standards, lubrication requirements, CMMS-ready load files, and a governance cadence to sustain improvement.



## Why This Training Matters

- ✓ Develop clear, defensible asset care strategies for any asset on site
- ✓ Align maintenance, operations, & reliability around common strategies
- ✓ Standardize work, routes, kits, & planning processes

## Who Should Attend?

- ✓ Senior leaders and plant management
- ✓ Area, line, and operations managers
- ✓ Maintenance and operations supervisors
- ✓ Maintenance planners and schedulers
- ✓ Reliability engineers and technical leaders

## Subject

- 1. Introduction to Reliable Manufacturing®**  
Reliability principles, business impact, and asset strategy overview
- 2. Asset Strategy Development**  
Asset hierarchy validation, criticality assessment, and prioritization
- 3. Component Failures: Identify & Control**  
Common machinery and lubrication failures and credible failure modes
- 4. Selecting Optimal Failure Controls**  
Condition-based, time-based, operator care, and run-to-failure decisions
- 5. Precision Maintenance® & Condition Monitoring**  
Precision concepts, bearings and lubrication, vibration and electrical monitoring
- 6. Unbalance & Common Machinery Errors**  
Unbalance types, tolerances, retention, & common equipment errors
- 7. Root Cause Problem Elimination**  
Eliminating repeat failures & integrating RCFE into strategies
- 8. Implementation & Governance**  
Job plans, operator care, CMMS readiness, KPIs, and sustainment

# ASSET STRATEGY DEVELOPMENT WORKSHOP

## TYPICAL DAILY OUTLINE

### DAY 1

#### Foundations of Reliable & Predictable Manufacturing

- > Introduction to Reliable Manufacturing
  - Historical perspective
  - Run-to-failure vs proactive maintenance
  - Condition-based thinking
  - Putting it all together
- > Introduction to Asset Strategy Development
  - Asset Strategy Development principles
  - Patterns of failure
  - Age-related vs random failures
  - Failure vs breakdown
- > System identif., prioritization & required data
- > Performing an ASD (overview)
  - System description
  - Functions & functional failures
  - Failure modes & consequences
  - Task identification & task frequency

### DAY 4

#### Route & Program Execution

- > Route building fundamentals
  - Building and sequencing routes
  - Testing and implementing routes
- > Motivation and effective communication
  - Driving execution and follow-through

### DAY 2 & 3

#### Asset Strategy Development in Practice

- > ASD facilitation skills
  - Team preparation
  - Asking the right questions
  - Identifying additional resources
  - Time management & facilitation communication
- > Reverse ASD
  - Validating existing PM tasks
- > Implementing asset strategies
  - Organizing the asset hierarchy
  - Prioritizing assets for analysis
- > In-class practical exercises
  - Real-world examples and ASDs

### DAY 5

#### Leadership & Persuasive Communication

- > The three V's of communication
- > Creating clear and compelling key messages
- > Selecting the right communication approach for the audience

# ASSET STRATEGY DEVELOPMENT WORKSHOP

## LEARNING OBJECTIVES & POST-WORKSHOP CAPABILITIES

ASDx is an active working session. Participants are expected to engage in data validation, analysis, decision-making, and strategy development. The outcome is not a report—but actionable strategies ready for deployment.

### 1. Asset Strategy Foundations

- Understand the purpose and structure of asset strategies
- Link reliability, safety, quality, and cost through strategy-based asset care
- Apply a consistent, site-wide logic for asset decision-making

### 2. Failure Mode Identification & Control

- Identify credible, component-level failure modes
- Distinguish between failure mechanisms, symptoms, and consequences
- Select appropriate controls based on asset criticality and risk

### 3. Selecting Optimal Maintenance Strategies

- Choose between condition monitoring, time-based maintenance, operator care, redesign, or run-to-failure
- Align precision maintenance and lubrication requirements with failure controls
- Define practical inspection and monitoring standards

### 4. Implementation & Governance

- Participants will be able to:
- Translate asset strategies into CMMS-ready job plans and routines
- Enable standard work for planners, operators, and technicians

