

# Reliability Analytics - Spares Analysis

## Course #1016

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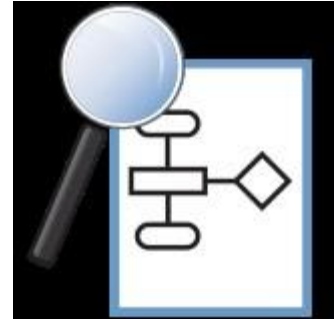
### Course Details

**Length:** ½ day

**Prerequisite:** Reliability Analytics - User

**Benefits:** You will learn how to use the Spares Analysis tool to determine the most cost-effective inventory level for a given spare part.

**Audience:** General Users, Implementers, Administrators



### Overview

#### Spare Parts Inventory Level

The key to a successful Spares program is maintaining a balance between having enough spare parts on hand for unplanned failures, yet not having a surplus. You can use the Spares Analysis tool to determine the optimal number of spare parts that should be kept on hand for a piece of equipment.

#### The Spares Analysis Tool

The Spares Analysis tool calculates an optimal spares level based on Delivery Time and Cost, Downtime, Lost Production Cost, and Failure and Repair Data. You can also simulate the potential savings or losses associated with changing the spares level.

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### Training Agenda

#### Spares Analysis Overview

- The Spares Analysis Data Model
- Opening an Existing Spares Analysis
- Navigating a Spares Analysis

#### Spares Analysis Plots

- Accessing Spares Analysis Plots
- Spares Level Plot
- Downtime Plot
- Spares Usage Plot
- Sensitivity Plot
- Optimal Holding Plot
- Copying records to, or deleting records from, the Spares Analysis Tree

#### Building a Spares Analysis

- The Spares Analysis Workflow
- Creating or deleting Spares Analyses
- Adding a Spare record
- Adding Spare Application records
- Importing a Distribution Analysis
- Adding Spare Application Population records
- Running a Monte Carlo Simulation

#### Interpreting Spares Analysis Results

- Interpreting Spares Analysis Plots
- Exporting Results to a Dataset for viewing
- Exporting and viewing the Event Log
- Event Log columns
- Exporting the Event Log
- Spares Analysis Reports