

Course Title: Advanced Spare Parts Management

Description

The Advanced Spare Parts Management Program covers all of the issues faced during the spare parts inventory management lifecycle.

Completing this course equips you with the know-how and skills to effectively manage all aspects of spare parts inventory:

The course specifically focusses on MRO and spare parts that are held in support of equipment operations and maintenance.



Objective

The Advanced Spare Parts Management course teaches the key skills:

- Setting inventory levels
- Identifying critical spares
- Developing policies
- Identifying and applying best practices
- Optimizing inventory levels
- Achieving high levels of stock accuracy
- Managing the storeroom
- Implementing change

Process and Resources

- The course is self-paced and 100% online
- There are 8 learning modules
- Each student has 6 months to complete the training
- The course structure enables you to work through the content in 'bite-sized' chunks.
- Each module consists of a combination of reading and online video.
- Each module includes a multi-choice online quiz to test the students' know-how and learning.
- A certificate is awarded with the achievement of a minimum 80% pass mark for each module quiz.

Module	Description and Learning Objectives
<p>Module 1 Introduction to Spare Parts Inventory Management</p>	<p>The introduction module provides the critical understanding required to put spare parts management into the business context.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Why maintenance spare parts inventory is different from other types of inventory • How maintenance, spare parts management, and procurement fit into the big picture • The 5 key financial principles for spare parts management.
<p>Module 2 Critical Parts and Stock Level Decision Making</p>	<p>This module reviews techniques for identifying critical spare parts and from that setting justifiable ROP and ROQ levels.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • How to decide whether or not to stock an item in inventory • How to select spare parts for new capital equipment (First-Time-Buy) • How to identify and manage critical spare parts • How to determine both the most appropriate re-order point (ROP) and re-order quantity (ROQ)
<p>Module 3 Inventory Optimization</p>	<p>This module explores three different techniques for optimizing spare parts inventory and explains why some don't optimize at all.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Segment spare parts inventory using the Pareto Principle • Apply the Inventory Cash Release Process for reviewing and reducing spare parts inventory holdings • Identify when to use and how to apply a short-cut for inventory reduction
<p>Module 4 Best Practices</p>	<p>What does good spare parts management 'look like'? In this module we identify seven practices that make a genuine difference to spare parts inventory outcomes.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Explain the process used to identify best practices. • Identify seven practices that are shown to make a genuine difference to spare parts inventory management outcomes.

Module	Description and Learning Objectives
<p>Module 5 Metrics, Reporting and Policies</p>	<p>This module reviews the suite of policies required to effectively manage spare parts inventory.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Identify the key performance indicators • Explain what policies are and why they are important. • Identify the range of basic spare parts management policies and understand what each policy should contain.
<p>Module 6 The Storeroom: Physical Management</p>	<p>The effective management of slow-moving inventory and obsolescence relies on efficient physical management of the storeroom.</p> <p>Learning objectives:</p> <ul style="list-style-type: none"> • Managing slow moving and obsolete inventory • How to develop an End-Of-Life (EOL) plan and calculate Last-Time-Buy requirements • The physical issues of storeroom management, including layout, storage issues, labelling, and workflow • Understanding how to manage rotatable and repairable spares
<p>Module 7 The Storeroom: Procedural Management</p>	<p>Maintaining an accurate inventory is essential for reliable supply. Achieving this depends on appropriate procedural management.</p> <p>Learning objectives:</p> <ul style="list-style-type: none"> • The pros and cons of spare parts standardization • The factors that most directly affect spare parts inventory accuracy how to achieve a 100% accurate inventory • Planning for and conducting successful stock takes • The practical application of bar codes
<p>Module 8 Program Implementation</p>	<p>Achieving your goals with spare parts requires the management of change and program implementation.</p> <p>Learning objectives:</p> <ul style="list-style-type: none"> • Why and how to use pilot programs to manage risk and roll out for spare parts management initiatives • How to implement a program of spare parts inventory reduction • Identifying who to involve in an inventory review program