

## Concentrating Resources on Essential Equipment

*Pulau Ujong (Singapore)*

*10 - 14 February 2025*

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## Concentrating Resources on Essential Equipment

Code: SC28 From: 10 - 14 February 2025 City: Pulau Ujong (Singapore) Fees: 4700 Pound

### Introduction

Effective resource allocation is essential for ensuring the optimal performance and reliability of critical equipment, which is key to achieving organizational objectives. This course delves into the principles and best practices of identifying, prioritizing, and managing resources for vital assets. Participants will explore the challenges associated with resource allocation, the advantages of focusing on critical equipment, and the tools necessary to optimize efficiency while minimizing downtime. By the end of the training, attendees will have the knowledge and skills to make informed decisions that improve operational performance.

### Course Objectives

By the end of this course, participants will be able to:

- Identify critical equipment across various operational environments.
- Apply resource prioritization techniques effectively.
- Implement maintenance strategies to enhance equipment reliability.
- Develop a tailored resource allocation plan aligned with organizational goals.
- Improve decision-making processes in managing critical assets.

### Course Outlines

#### Day 1: Introduction to Critical Equipment Management

- Defining critical equipment and understanding its importance.
- Criteria for identifying critical assets.
- Conducting risk assessments related to equipment failure.
- Overview of resource allocation principles.
- Introduction to essential tools and techniques for managing critical resources.

#### Day 2: Prioritizing Resources for Critical Equipment

- Evaluating resource availability and identifying constraints.
- Frameworks for resource prioritization.
- Case studies demonstrating effective resource allocation in real-world scenarios.
- Introduction to Key Performance Indicators KPIs for resource management.
- Hands-on activity: Prioritizing resources for a sample project.

#### Day 3: Preventive and Predictive Maintenance Strategies

- Understanding the difference between preventive and predictive maintenance.
- Scheduling maintenance for critical equipment.
- Implementing condition monitoring techniques for early failure detection.

A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a pawn) in gold and silver, set against a background of concentric circles.

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- Using predictive maintenance tools such as IoT sensors and data analytics.
- Group exercise: Designing a comprehensive maintenance plan.

#### Day 4: Developing a Resource Allocation Plan

- Assessing lifecycle costs for critical equipment.
- Budgeting and resource forecasting for optimal allocation.
- Effectively allocating human, material, and financial resources.
- Managing resource constraints during critical or emergency situations.
- Workshop: Drafting a resource allocation plan for a specific organizational context.

#### Day 5: Measuring and Improving Equipment Performance

- Utilizing KPIs to measure and track equipment performance.
- Analyzing performance data to gain valuable insights.
- Strategies for continuous improvement in resource allocation.
- Leveraging modern technologies for better resource optimization.
- Final activity: Presenting a resource-focused strategy for improving asset performance.

A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a knight) on it, set against a background of concentric circles. The text 'UK Training PARTNER' is overlaid on the right side of the chessboard.

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