

Supply Chain Modelling for Optimisation

Overview

Supply chain optimisation is now critical in order for Defence to navigate supply disruptions, which have become commonplace occurrences. This comprehensive course will provide participants with a better understanding of behavioural dynamics. Allowing a new skillset to meet supply chain challenges and master simulation modelling techniques and strategic sourcing. Participants will gain practical ready to use tools to navigate disruptions, enhance performance, and optimise costs to create unparalleled efficiency and resilience in Defence supply chain operations.

What You Will Learn

Understanding Supply Chain Challenges and Skillsets

- DISC Personality Profiling for Supply Chain
- Behavioural Traits (Dominant, Influential, Steady, Cautious) and the Impact they have on Supply Chain Operations
- DISC Case Study Exercise: Analysing Stress Response and Self-Perception in Different Behavioural Types

Supply Chain Modelling with Simulations

- Introduction to SCM Globe Simulation Software
- Principles of Supply Chain Modelling: Products, Facilities, Transport, and Routes
- Hands-On Exercise with SCM Globe Simulation Software

Overcoming Supply Chain Disruptions

- Supply Chain Metrics for Measuring Performance
- Common Supply Chain Disruptors and Solutions

Extending a Supply Chain Model with SCM Globe

- Add More Elements to the Supply Chain Model
- Improving Simulation for Minimum 30 Days

Key Concepts of Supply Chain Operations

- Five Supply Chain Drivers: Responsiveness and Efficiency
- Managing Supply Chain Disruptions: The Bullwhip Effect and Innovation
- Case Study: Applying Supply Chain Drivers to Address Disruptions

Presenting the Finished Plan for Strategic Sourcing

- Running and Improving Supply Chain Simulation with SCM Globe
- Ensuring Fault-Free Operation for 30 Days
- End-of-Day Discussion and Recap

Facility Placement and SCOR Metrics

- Using Centre of Gravity to Position Facilities
- SCOR Metrics for Measuring Supply Chain Performance
- Case Studies: Amazon's AI Adaptation

Optimising Supply Chain Performance

- Cost Optimisation Strategies
- Improving Efficiency and Sustainability
- End-of-Day Wrap-Up

Course Outcome

Participants will gain practical insights into supply chain challenges, behavioural dynamics, and modelling techniques. They will learn to analyse disruptions, optimise facility placement, and enhance supply chain performance using simulation software. Upon completion, participants will be equipped to implement strategic sourcing plans and optimise supply chain operations for ultimate performance in defence contexts.

Disclaimer

This training course is designed to meet the stringent and rigorous standards of the Defence Sector; however, an equivalent version exists to meet the needs of Government, Public and Private Sectors. While diligent efforts have been made to ensure the relevance and efficacy of the content for Defence purposes, interested participants from other sectors are advised that suitable material is available for their specific requirements, and that any discrepancies in this training promotional material regarding the applicability to non-Defence sectors are hereby acknowledged, and interested individuals, or parties are encouraged to seek clarification or supplementary information as necessary. The course provider hereby absolves itself of liability for any inaccuracies or omissions arising from differences in sector-specific regulations, policies, or practices. By enrolling, participants unequivocally affirm their understanding and acceptance to this disclaimer, thereby acknowledging their responsibility to evaluate the course's suitability for their individual sector requirements.