



PROCUREMENT AND SUPPLY CHAIN MANAGEMENT | PSCM-028

Supply Chain Resilience and Risk Management

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Course content

Why Attend

Pandemics, shipping disruptions, conflicts, sanctions, extreme weather and supplier failures have shown how fragile lean, globally stretched supply chains can be. Organisations now need supply chains that are efficient and resilient: able to anticipate disruption, absorb shocks and recover quickly without losing customers or margins.

This Aractech course gives procurement, logistics and operations professionals a structured approach to supply chain resilience. Participants map their end-to-end supply network, identify single points of failure and multi-tier supplier risks, quantify exposure with tools such as time-to-recover and value-at-risk, and design responses including dual sourcing, nearshoring, buffer strategies, contract clauses and supplier collaboration.

Course Methodology

- Expert briefings on current disruption trends and resilience practices
- Case studies from energy, manufacturing, healthcare and retail supply chains
- Supply network mapping and risk assessment workshops
- Disruption simulation exercise
- Development of a resilience plan for a critical category

Course Objectives

- Explain the main sources of supply chain disruption and how they propagate
- Map an end-to-end supply network including sub-tier suppliers
- Identify and assess supply chain risks using qualitative and quantitative methods
- Measure exposure using time-to-recover, time-to-survive and value-at-risk
- Design resilience strategies: multi-sourcing, nearshoring, inventory buffers and flexibility
- Use contracts, supplier collaboration and monitoring to reduce risk

Course content

| Target Audience

- Supply chain, logistics and operations managers
- Procurement, sourcing and category managers
- Risk and business continuity professionals
- Inventory and demand planning professionals

Course outline

Detailed course outline

Day-by-day outline for Supply Chain Resilience and Risk Management.

Day 1 - Understanding Supply Chain Vulnerability

- 09:00-09:39 | The changing global supply chain landscape
- 09:39-10:18 | Types of disruption: geopolitical, natural, operational, financial and cyber
- 10:18-10:57 | How disruptions propagate through multi-tier networks
- 10:57-11:00 | Efficiency versus resilience trade-offs
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Efficiency versus resilience trade-offs (continued)
- 12:05-12:43 | Lessons from recent global disruptions
- 12:43-14:00 | Workshop: mapping your end-to-end supply network

Day 2 - Supply Chain Risk Identification and Assessment

- 09:00-09:39 | Risk identification methods and sub-tier visibility
- 09:39-10:18 | Supplier financial, operational and compliance risk assessment
- 10:18-10:57 | Time-to-recover, time-to-survive and value-at-risk
- 10:57-11:00 | Risk heat maps and prioritisation
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Risk heat maps and prioritisation (continued)
- 12:05-12:43 | Sanctions, trade restrictions and regulatory risks
- 12:43-14:00 | Practical exercise: assessing risks for a critical category

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Day 3 - Designing Resilient Supply Chains

- 09:00-09:39 | Multi-sourcing, dual sourcing and supplier diversification
- 09:39-10:18 | Nearshoring, friend-shoring and regional supply strategies
- 10:18-10:57 | Strategic inventory buffers and safety stock
- 10:57-11:00 | Flexible manufacturing and logistics capacity
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Flexible manufacturing and logistics capacity (continued)
- 12:05-12:43 | Contract clauses, incentives and risk sharing with suppliers
- 12:43-14:00 | Case study: redesigning a supply chain after a major disruption

Day 4 - Monitoring, Analytics and Digital Tools

- 09:00-09:39 | Supply chain early-warning indicators and risk monitoring
- 09:39-10:18 | Data analytics and AI for risk prediction
- 10:18-10:57 | Supply chain digital twins and scenario modelling
- 10:57-11:00 | Supplier collaboration platforms and information sharing
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Supplier collaboration platforms and information sharing (continued)
- 12:05-12:43 | Cyber risk in connected supply chains
- 12:43-14:00 | Simulation: responding to a multi-tier supply disruption

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Day 5 - Continuity Planning and Resilience Governance

- 09:00-09:39 | Supply chain business continuity planning
- 09:39-10:18 | Crisis response teams and decision-making
- 10:18-10:57 | Recovery strategies and communication with customers
- 10:57-11:00 | Resilience KPIs and maturity assessment
- 11:00-11:30 | Coffee break
- 11:30-12:05 | Resilience KPIs and maturity assessment (continued)
- 12:05-13:22 | Building a resilience culture and governance
- 13:22-14:00 | Capstone: presenting a supply chain resilience plan

Seminar dates

Available seminar dates

Live dates and pricing for Supply Chain Resilience and Risk Management generated from the course details page.

Date	Location	Format	Fee
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No seminar dates are currently available.