

OPERATIONS & SUPPLY CHAIN | COURSE BROCHURE

AI-Powered Procurement & Logistics: Optimizing Supply Chain Operations

5 days | Classroom training | English

SMART HORIZON

info@smart-horizon.eu
Amsterdam
The Netherlands

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Course content

Why attend

This course focuses on leveraging AI technologies to enhance procurement and logistics processes. Participants will explore practical applications of AI in supply chain management, aiming to improve efficiency, reduce costs, and make data-driven decisions in their operations.

Procurement and logistics professionals face increasing pressure to optimise supply chains amidst rising costs and complex market dynamics. Understanding how to harness AI can lead to significant improvements in operational efficiency, enabling teams to respond swiftly to market changes and customer demands. This course addresses the challenges of integrating AI into existing processes, ensuring that participants can effectively implement these technologies. By mastering AI applications, professionals can enhance supplier collaboration, streamline inventory management, and improve overall responsiveness to customer needs, ultimately driving competitive advantage in their organisations. Moreover, the course will cover the ethical considerations of AI, ensuring responsible practices in procurement and logistics.
Participants will develop practical skills in analysing procurement data, forecasting demand, and automating logistics operations. By engaging in hands-on exercises and real-world scenarios, they will learn to identify opportunities for AI application, make informed decisions, and drive strategic improvements in their organisations. This course equips professionals with the tools to enhance their supply chain operations and achieve measurable results. Participants will also explore the implications of AI on supplier relationships and risk management, ensuring a comprehensive understanding of how to leverage AI effectively while maintaining operational integrity and compliance.

Professional Problems This Course Is Designed to Solve

• Difficulty translating subject knowledge into practical workplace decisions.
• Inconsistent approaches to the activities covered in the course outline.
• Lack of a structured plan for applying and reviewing new skills.

Course methodology

The course employs a blend of case studies, interactive workshops, and simulations to build participants' capabilities in AI-powered procurement and logistics. Each day features practical exercises where participants analyse data sets, develop AI-driven strategies, and simulate decision-making scenarios. For instance, participants will work with real procurement data to identify inefficiencies and propose AI solutions. They will produce actionable insights, strategic plans, and optimisation models as tangible outputs, reinforcing their learning through real-world applications. This hands-on approach ensures that participants can translate theoretical knowledge into practical skills that can be immediately applied in their roles, fostering a deeper understanding of AI's impact on supply chain operations.



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Course objectives

By the end of this course, participants will be able to:
• Analyse procurement data to identify inefficiencies and opportunities for AI integration.
• Design AI-driven forecasting models to improve demand planning accuracy.
• Evaluate logistics processes for automation potential using AI technologies.
• Construct a strategic procurement plan that incorporates AI insights and analytics.
• Prioritise AI tools based on specific supply chain challenges and organisational needs.
• Justify the implementation of AI solutions through cost-benefit analysis and risk assessment.

Target audience

This course is suitable for:
• Procurement Managers responsible for sourcing and supplier management.
• Logistics Coordinators overseeing transportation and distribution operations.
• Supply Chain Analysts focused on data analysis and process optimisation.
• Operations Managers aiming to enhance efficiency through technology integration.

Target competencies

Participants will develop competencies in:
• Data analysis for procurement optimisation.
• AI model design for demand forecasting.
• Logistics process evaluation and automation.
• Strategic planning for AI implementation in supply chains.
• Cost-benefit analysis for technology investments.
• Risk assessment in AI adoption for logistics.

Course outline

Day 1: Understanding AI in Supply Chain

Applied activity: Participants will analyse a fictional company's procurement data to identify inefficiencies and potential AI applications. They will work in groups to discuss findings and propose AI solutions, considering factors such as cost, implementation feasibility, and expected outcomes.
Output: A report outlining identified inefficiencies and suggested AI applications with implementation strategies.

09:00–09:54	Introduction to AI technologies relevant to procurement and logistics.
09:54–10:48	The impact of AI on supply chain efficiency and cost reduction.



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10:48–11:00	Key AI applications in procurement and logistics management.
11:00–11:30	**Coffee break**
11:30–12:12	Key AI applications in procurement and logistics management. (continued)
12:12–13:06	Challenges and considerations in AI adoption for supply chains.
13:06–14:00	Case studies of successful AI implementations in industry.

Day 2: AI-Driven Demand Forecasting

Applied activity: Using provided historical sales data, participants will design an AI-driven forecasting model and simulate its application in a procurement scenario. They will assess the model's accuracy, make adjustments based on simulated outcomes, and prepare a presentation of their findings.
Output: A demand forecasting model with performance metrics and recommendations for improvement.

09:00–09:54	Fundamentals of demand forecasting in supply chains and its significance.
09:54–10:48	Data sources and analytics techniques for accurate forecasting.
10:48–11:00	Designing AI models for demand prediction and their validation.
11:00–11:30	**Coffee break**
11:30–12:12	Designing AI models for demand prediction and their validation. (continued)
12:12–13:06	Evaluating forecasting accuracy using performance metrics and tools.
13:06–14:00	Integrating forecasting models into procurement and inventory management processes.

Day 3: Automating Logistics Operations with AI

Applied activity: Participants will evaluate a logistics process in a fictional company and propose AI automation solutions, considering cost, efficiency, potential risks, and implementation challenges. They will present their recommendations to the group for feedback and discussion.
Output: A proposal document detailing automation recommendations, expected outcomes, and implementation steps.

09:00–09:54	Overview of logistics automation technologies and their benefits.
09:54–10:48	Identifying logistics processes suitable for AI automation and optimisation.
10:48–11:00	Implementing AI solutions in transportation, warehousing, and inventory management.
11:00–11:30	**Coffee break**
11:30–12:12	Implementing AI solutions in transportation, warehousing, and inventory management. (continued)



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12:12–13:06	Evaluating the impact of automation on logistics performance and cost efficiency.
13:06–14:00	Best practices for managing and sustaining automated logistics systems.

Day 4: Strategic Procurement Planning

Applied activity: In groups, participants will develop a strategic procurement plan for a fictional company, integrating AI insights, risk assessments, and supplier evaluations. They will present their plans to the class for critique and discussion, focusing on feasibility and strategic alignment.
Output: A comprehensive strategic procurement plan with AI integration and risk management strategies.

09:00–09:54	Developing a strategic procurement plan that incorporates AI insights and analytics.
09:54–10:48	Assessing supplier capabilities and AI readiness for collaboration.
10:48–11:00	Risk management in AI-driven procurement strategies and supplier relationships.
11:00–11:30	**Coffee break**
11:30–12:12	Risk management in AI-driven procurement strategies and supplier relationships. (continued)
12:12–13:06	Conducting cost-benefit analysis for AI investments in procurement.
13:06–14:00	Aligning procurement strategies with organisational goals and market demands.

Day 5: Integrated AI Solutions for Supply Chain Optimisation

Applied activity: Participants will work on an integrated project that combines AI-driven procurement and logistics strategies, simulating real-world decision-making scenarios. They will collaborate to address challenges, propose comprehensive solutions, and evaluate the effectiveness of their strategies.
Output: A strategic report outlining an integrated AI solution for supply chain optimisation, including projected impacts and implementation considerations.

09:00–09:54	Combining AI applications across procurement and logistics for synergy.
09:54–10:48	Creating a holistic supply chain strategy that leverages AI capabilities.
10:48–11:00	Measuring success and performance in AI implementations through KPIs.
11:00–11:30	**Coffee break**
11:30–12:12	Measuring success and performance in AI implementations through KPIs. (continued)
12:12–13:06	Continuous improvement and adaptation of AI solutions in supply chains.
13:06–14:00	Future trends in AI for supply chain management and innovation.



Course content

The timings provided are estimates and may vary depending on the number of participants and the discussions taking place during the sessions. They are indicative only and do not constitute a binding commitment.

Dates, venues and fees

Current published course plans. Fees are per participant in EUR, excluding unconfirmed taxes.

Venue	Start date	End date	Fee (EUR)
Istanbul Confirmed dates	16 Nov 2026	20 Nov 2026	**€2,650.-**
Online Confirmed dates	16 Nov 2026	20 Nov 2026	**€1,250.-**
Amsterdam Confirmed dates	7 Dec 2026	11 Dec 2026	**€2,540.-**
Online Confirmed dates	7 Dec 2026	11 Dec 2026	**€1,250.-**
Singapore Confirmed dates	14 Dec 2026	18 Dec 2026	**€2,820.-**
Online Confirmed dates	14 Dec 2026	18 Dec 2026	**€1,250.-**
London Confirmed dates	4 Jan 2027	8 Jan 2027	**€2,450.-**
Online Confirmed dates	4 Jan 2027	8 Jan 2027	**€1,250.-**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Barcelona Confirmed dates	11 Jan 2027	15 Jan 2027	**€2,840.-**
Online Confirmed dates	11 Jan 2027	15 Jan 2027	**€1,250.-**
Dubai Confirmed dates	18 Jan 2027	22 Jan 2027	**€3,150.-**
Online Confirmed dates	18 Jan 2027	22 Jan 2027	**€1,250.-**
Frankfurt Confirmed dates	1 Feb 2027	5 Feb 2027	**€2,650.-**
Online Confirmed dates	1 Feb 2027	5 Feb 2027	**€1,250.-**
Kuala Lumpur Confirmed dates	15 Feb 2027	19 Feb 2027	**€1,450.-**
Online Confirmed dates	15 Feb 2027	19 Feb 2027	**€1,250.-**
Paris Confirmed dates	1 Mar 2027	5 Mar 2027	**€2,860.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	1 Mar 2027	5 Mar 2027	**€1,250.–**
Istanbul Confirmed dates	15 Mar 2027	19 Mar 2027	**€2,650.–**
Online Confirmed dates	15 Mar 2027	19 Mar 2027	**€1,250.–**
Vienna Confirmed dates	22 Mar 2027	26 Mar 2027	**€2,940.–**
Online Confirmed dates	22 Mar 2027	26 Mar 2027	**€1,250.–**
Amsterdam Confirmed dates	5 Apr 2027	9 Apr 2027	**€2,540.–**
Online Confirmed dates	5 Apr 2027	9 Apr 2027	**€1,250.–**
Singapore Confirmed dates	19 Apr 2027	23 Apr 2027	**€2,820.–**
Online Confirmed dates	19 Apr 2027	23 Apr 2027	**€1,250.–**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
London Confirmed dates	3 May 2027	7 May 2027	**€2,450.-**
Online Confirmed dates	3 May 2027	7 May 2027	**€1,250.-**
Dubai Confirmed dates	17 May 2027	21 May 2027	**€3,150.-**
Online Confirmed dates	17 May 2027	21 May 2027	**€1,250.-**
Rome Confirmed dates	24 May 2027	28 May 2027	**€2,450.-**
Online Confirmed dates	24 May 2027	28 May 2027	**€1,250.-**
Frankfurt Confirmed dates	7 Jun 2027	11 Jun 2027	**€2,650.-**
Online Confirmed dates	7 Jun 2027	11 Jun 2027	**€1,250.-**
Kuala Lumpur Confirmed dates	21 Jun 2027	25 Jun 2027	**€1,450.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	21 Jun 2027	25 Jun 2027	**€1,250.-**
Paris Confirmed dates	5 Jul 2027	9 Jul 2027	**€2,860.-**
Online Confirmed dates	5 Jul 2027	9 Jul 2027	**€1,250.-**
Istanbul Confirmed dates	19 Jul 2027	23 Jul 2027	**€2,650.-**
Online Confirmed dates	19 Jul 2027	23 Jul 2027	**€1,250.-**
Cape Town Confirmed dates	26 Jul 2027	30 Jul 2027	**€1,890.-**
Online Confirmed dates	26 Jul 2027	30 Jul 2027	**€1,250.-**
Amsterdam Confirmed dates	2 Aug 2027	6 Aug 2027	**€2,540.-**
Online Confirmed dates	2 Aug 2027	6 Aug 2027	**€1,250.-**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Singapore Confirmed dates	16 Aug 2027	20 Aug 2027	**€2,820.-**
Online Confirmed dates	16 Aug 2027	20 Aug 2027	**€1,250.-**
London Confirmed dates	6 Sept 2027	10 Sept 2027	**€2,450.-**
Online Confirmed dates	6 Sept 2027	10 Sept 2027	**€1,250.-**
Dubai Confirmed dates	20 Sept 2027	24 Sept 2027	**€3,150.-**
Online Confirmed dates	20 Sept 2027	24 Sept 2027	**€1,250.-**
Rome Confirmed dates	27 Sept 2027	1 Oct 2027	**€2,450.-**
Online Confirmed dates	27 Sept 2027	1 Oct 2027	**€1,250.-**
Frankfurt Confirmed dates	4 Oct 2027	8 Oct 2027	**€2,650.-**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	4 Oct 2027	8 Oct 2027	**€1,250.–**
Kuala Lumpur Confirmed dates	18 Oct 2027	22 Oct 2027	**€1,450.–**
Online Confirmed dates	18 Oct 2027	22 Oct 2027	**€1,250.–**
Paris Confirmed dates	1 Nov 2027	5 Nov 2027	**€2,860.–**
Online Confirmed dates	1 Nov 2027	5 Nov 2027	**€1,250.–**
Istanbul Confirmed dates	15 Nov 2027	19 Nov 2027	**€2,650.–**
Online Confirmed dates	15 Nov 2027	19 Nov 2027	**€1,250.–**
Cape Town Confirmed dates	22 Nov 2027	26 Nov 2027	**€1,890.–**
Online Confirmed dates	22 Nov 2027	26 Nov 2027	**€1,250.–**



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Dates, venues and fees (continued)

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Amsterdam Confirmed dates	6 Dec 2027	10 Dec 2027	**€2,540.-**
Online Confirmed dates	6 Dec 2027	10 Dec 2027	**€1,250.-**
Singapore Confirmed dates	13 Dec 2027	17 Dec 2027	**€2,820.-**
Online Confirmed dates	13 Dec 2027	17 Dec 2027	**€1,250.-**

Plan your next step

Dates, availability, exact venue, taxes, inclusions and payment terms require written confirmation. This brochure is not a quotation, registration, booking confirmation or visa invitation. Participants receive a Smart Horizon certificate of attendance; programmes are not externally accredited and do not award a professional qualification or designation. Confirm arrangements before booking travel.

For group or in-house training, contact our learning team to discuss your objectives and delivery arrangements.

Contact Smart Horizon

info@smart-horizon.eu
Amsterdam
The Netherlands

View the latest course details online