

DIGITAL INNOVATION AND TRANSFORMATION | COURSE BROCHURE

Computer Vision Applications in Industry

5 days | Classroom training | English

SMART HORIZON

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Course content

Why attend

Computer vision enables machines to interpret images and video for inspection, safety, security, retail analytics and more. This course explains computer vision concepts, common applications, data and labelling requirements, model performance, deployment at the edge or in the cloud, privacy and ethical issues and business case development.

Computer vision can automate visual tasks with high accuracy, but success depends on good data and realistic expectations. This course helps you identify and plan valuable applications.

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 uses demonstrations, use-case workshops, data labelling exercises and business case development. No programming is required.

Course objectives

By the end of this course, participants will be able to:
• Explain computer vision concepts and capabilities
• Identify industrial and business applications
• Understand data collection and labelling needs
• Evaluate model performance
• Plan deployment and integration
• Address privacy, ethics and business value

Target audience

This course is suitable for:
• Operations and quality managers
• Engineers
• Digital transformation professionals
• Safety and security managers
• IT professionals



Course content

Target competencies

Participants will develop competencies in:

- Computer vision concepts
- Use-case identification
- Data labelling
- Performance evaluation
- Deployment planning
- Privacy and ethics

Course outline

Day 1: Computer Vision Basics

09:00–09:54	How machines see
09:54–10:48	Classification, detection and segmentation
10:48–11:00	Recent advances
11:00–11:30	**Coffee break**
11:30–12:12	Recent advances (continued)
12:12–13:06	Limitations
13:06–14:00	Demonstration: Vision models

Day 2: Industrial Applications

09:00–09:54	Quality inspection
09:54–10:48	Safety monitoring
10:48–11:00	Inventory and logistics
11:00–11:30	**Coffee break**
11:30–12:12	Inventory and logistics (continued)
12:12–13:06	Retail and smart buildings
13:06–14:00	Workshop: Use-case selection



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Day 3: Data and Models

09:00–09:54	Image data collection
09:54–10:48	Labelling
10:48–11:00	Training and evaluation
11:00–11:30	**Coffee break**
11:30–12:12	Training and evaluation (continued)
12:12–13:06	Accuracy metrics
13:06–14:00	Exercise: Labelling task

Day 4: Deployment

09:00–09:54	Edge versus cloud
09:54–10:48	Cameras and hardware
10:48–11:00	Integration with systems
11:00–11:30	**Coffee break**
11:30–12:12	Integration with systems (continued)
12:12–13:06	Monitoring performance
13:06–14:00	Case study: Automated inspection

Day 5: Ethics and Business Case

09:00–09:54	Privacy and surveillance
09:54–10:48	Bias
10:48–11:00	Costs and benefits
11:00–11:30	**Coffee break**
11:30–12:12	Costs and benefits (continued)
12:12–13:06	Pilots and scaling
13:06–14:00	Capstone: Vision project proposal

The timings provided are estimates and may vary depending on the number of participants and the discussions taking place during the



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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)
Dubai Confirmed dates	16 Nov 2026	20 Nov 2026	**€3,150.–**
Online Confirmed dates	16 Nov 2026	20 Nov 2026	**€1,250.–**
Rome Confirmed dates	30 Nov 2026	4 Dec 2026	**€2,450.–**
Online Confirmed dates	30 Nov 2026	4 Dec 2026	**€1,250.–**
Frankfurt Confirmed dates	7 Dec 2026	11 Dec 2026	**€2,650.–**
Online Confirmed dates	7 Dec 2026	11 Dec 2026	**€1,250.–**
Kuala Lumpur Confirmed dates	14 Dec 2026	18 Dec 2026	**€1,450.–**
Online Confirmed dates	14 Dec 2026	18 Dec 2026	**€1,250.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Paris Confirmed dates	4 Jan 2027	8 Jan 2027	**€2,860.–**
Online Confirmed dates	4 Jan 2027	8 Jan 2027	**€1,250.–**
Istanbul Confirmed dates	18 Jan 2027	22 Jan 2027	**€2,650.–**
Online Confirmed dates	18 Jan 2027	22 Jan 2027	**€1,250.–**
Amsterdam Confirmed dates	1 Feb 2027	5 Feb 2027	**€2,540.–**
Online Confirmed dates	1 Feb 2027	5 Feb 2027	**€1,250.–**
Singapore Confirmed dates	15 Feb 2027	19 Feb 2027	**€2,820.–**
Online Confirmed dates	15 Feb 2027	19 Feb 2027	**€1,250.–**
London Confirmed dates	1 Mar 2027	5 Mar 2027	**€2,450.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	1 Mar 2027	5 Mar 2027	**€1,250.–**
Barcelona Confirmed dates	8 Mar 2027	12 Mar 2027	**€2,840.–**
Online Confirmed dates	8 Mar 2027	12 Mar 2027	**€1,250.–**
Dubai Confirmed dates	15 Mar 2027	19 Mar 2027	**€3,150.–**
Online Confirmed dates	15 Mar 2027	19 Mar 2027	**€1,250.–**
Frankfurt Confirmed dates	5 Apr 2027	9 Apr 2027	**€2,650.–**
Online Confirmed dates	5 Apr 2027	9 Apr 2027	**€1,250.–**
Kuala Lumpur Confirmed dates	19 Apr 2027	23 Apr 2027	**€1,450.–**
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)
Paris Confirmed dates	3 May 2027	7 May 2027	**€2,860.–**
Online Confirmed dates	3 May 2027	7 May 2027	**€1,250.–**
Vienna Confirmed dates	10 May 2027	14 May 2027	**€2,940.–**
Online Confirmed dates	10 May 2027	14 May 2027	**€1,250.–**
Istanbul Confirmed dates	17 May 2027	21 May 2027	**€2,650.–**
Online Confirmed dates	17 May 2027	21 May 2027	**€1,250.–**
Amsterdam Confirmed dates	7 Jun 2027	11 Jun 2027	**€2,540.–**
Online Confirmed dates	7 Jun 2027	11 Jun 2027	**€1,250.–**
Singapore Confirmed dates	21 Jun 2027	25 Jun 2027	**€2,820.–**



Course content

Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Online Confirmed dates	21 Jun 2027	25 Jun 2027	**€1,250.-**
Rome Confirmed dates	28 Jun 2027	2 Jul 2027	**€2,450.-**
Online Confirmed dates	28 Jun 2027	2 Jul 2027	**€1,250.-**
London Confirmed dates	5 Jul 2027	9 Jul 2027	**€2,450.-**
Online Confirmed dates	5 Jul 2027	9 Jul 2027	**€1,250.-**
Dubai Confirmed dates	19 Jul 2027	23 Jul 2027	**€3,150.-**
Online Confirmed dates	19 Jul 2027	23 Jul 2027	**€1,250.-**
Frankfurt Confirmed dates	2 Aug 2027	6 Aug 2027	**€2,650.-**
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)
Kuala Lumpur Confirmed dates	16 Aug 2027	20 Aug 2027	**€1,450.-**
Online Confirmed dates	16 Aug 2027	20 Aug 2027	**€1,250.-**
Cape Town Confirmed dates	30 Aug 2027	3 Sept 2027	**€1,890.-**
Online Confirmed dates	30 Aug 2027	3 Sept 2027	**€1,250.-**
Paris Confirmed dates	6 Sept 2027	10 Sept 2027	**€2,860.-**
Online Confirmed dates	6 Sept 2027	10 Sept 2027	**€1,250.-**
Istanbul Confirmed dates	20 Sept 2027	24 Sept 2027	**€2,650.-**
Online Confirmed dates	20 Sept 2027	24 Sept 2027	**€1,250.-**
Amsterdam Confirmed dates	4 Oct 2027	8 Oct 2027	**€2,540.-**



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Dates, venues and fees (continued)

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Online Confirmed dates	4 Oct 2027	8 Oct 2027	**€1,250.–**
Singapore Confirmed dates	18 Oct 2027	22 Oct 2027	**€2,820.–**
Online Confirmed dates	18 Oct 2027	22 Oct 2027	**€1,250.–**
London Confirmed dates	1 Nov 2027	5 Nov 2027	**€2,450.–**
Online Confirmed dates	1 Nov 2027	5 Nov 2027	**€1,250.–**
Cape Town Confirmed dates	8 Nov 2027	12 Nov 2027	**€1,890.–**
Online Confirmed dates	8 Nov 2027	12 Nov 2027	**€1,250.–**
Dubai Confirmed dates	15 Nov 2027	19 Nov 2027	**€3,150.–**
Online Confirmed dates	15 Nov 2027	19 Nov 2027	**€1,250.–**



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Dates, venues and fees (continued)

Venue	Start date	End date	Fee (EUR)
Frankfurt Confirmed dates	6 Dec 2027	10 Dec 2027	**€2,650.-**
Online Confirmed dates	6 Dec 2027	10 Dec 2027	**€1,250.-**
Kuala Lumpur Confirmed dates	13 Dec 2027	17 Dec 2027	**€1,450.-**
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

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View the latest course details online