Course : AI 360 Vision for Executives: Understanding the Transformations Underway to Make Decisions, Resolve Issues, and Govern

Seminar - 1d - 7h00 - Ref. VDB
Price : 1100 CHF E.T.

NEW

Artificial intelligence has become a strategic issue that goes far beyond purely technological considerations. From value creation, cybersecurity, and regulation to digital sovereignty, business transformation, and governance, today's leaders must have a comprehensive vision to make informed decisions. This training program offers a 360° approach to artificial intelligence, enabling participants to understand the transformations underway, identify major opportunities and risks, and develop a framework that can be directly applied to strategic decision-making. It provides decision-makers with the essential guidelines to support the adoption of AI in a responsible, effective, and sustainable manner. This seminar brings together the technological, economic, regulatory, geopolitical, cybersecurity, human, environmental, ethical, and organizational dimensions of AI.

Teaching objectives

At the end of the training, the participant will be able to:

- Explain the main categories of artificial intelligence and their impact on organizations
- Analyze the opportunities, limitations, and risks associated with generative AI and agent-based AI in a professional context
- Assess the regulatory, cybersecurity, geopolitical, environmental, and human challenges associated with the adoption of AI
- Identify the conditions for the success of an AI strategy aligned with the organization's objectives
- Develop a framework to guide governance and investment decisions related to artificial intelligence

PARTICIPANTS

Executives, members of the Executive Committee and Management Committee, CEOs, business unit directors, heads of transformation, innovation, strategy, risk, compliance, and human resources, CIOs, business unit managers, and public and private sector decision-makers.

PREREQUISITES

None

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

Intended audience

Executives, members of the Executive Committee and Management Committee, CEOs, business unit directors, heads of transformation, innovation, strategy, risk, compliance, and human resources, CIOs, business unit managers, and public and private sector decision-makers.

Prerequisites

None

Practical details

A mix of theoretical instruction, demonstrations, case studies, and discussions. Presentation of recent use cases from the private sector, the public sector, and international news. Reference materials on the AI Act, the GDPR, cybersecurity, AI governance, and digital sovereignty. The training can be delivered in person or remotely, with the same learning objectives.

Course schedule

1 Understanding Artificial Intelligence: The Fundamentals Every Decision-Maker Needs to Know

- Distinguish between the main categories of AI: generative AI, predictive AI, machine learning, deep learning, and agent-based AI
- Identify the actual capabilities of current models as well as their operational limitations
- Understanding How AI Agents Work and Their Potential for Process Automation
- Analyze the phenomena of hallucinations, biases, lack of explainability, and data dependency
- Identify the key players in the global artificial intelligence ecosystem

Demonstration

A guided analysis of several use cases from public and private organizations aimed at distinguishing marketing claims from actual capabilities.

2 Identify value-creation drivers and develop a relevant AI strategy

- Identify the main uses of generative AI and agent-based AI in business functions
- Assess the potential benefits in terms of productivity, quality, innovation, and decision support
- Distinguish between high-impact initiatives and projects with low added value
- Identify the key success factors: data, skills, governance, change management, and digital maturity
- Analyze the causes of failure frequently observed in artificial intelligence projects

Demonstration

Case study examining several real-world AI projects. Assessment of expected benefits, associated risks, and conditions for success.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

3 Managing Risks: Shadow AI, Cybersecurity, Data, and Compliance

- Identify the risks associated with Shadow AI and the uncontrolled use of generative AI
- Analyzing New Cyber Threats: Deepfakes, Disinformation, Augmented Social Engineering, and Automated Attacks
- Assessing the Impact of AI on the Protection of Sensitive Data and Information Confidentiality
- Understanding the GDPR Principles Applicable to Projects Involving Artificial Intelligence
- Identify strategic dependencies related to suppliers, cloud infrastructure, models, and data

Example

A data breach scenario involving a generative AI tool. Analysis of causes, consequences, and corrective measures. Identification of cyber and regulatory risks in various business contexts. Simplified mapping of risks to monitor.

4 Understanding Regulatory, Geopolitical, and Environmental Issues

- Identify the fundamental principles of the AI Act and its risk-based approach
- Analyze the responsibilities of organizations that use or deploy AI systems
- Understanding the Challenges of Digital Sovereignty and Control Over Strategic Data
- Comparing the Approaches of Major Powers in the Global Race for Artificial Intelligence
- Assess the environmental impacts associated with infrastructure, models, and computing capabilities

Demonstration

A comparative study of several scenarios for deploying an AI solution. Identification of the regulatory, geopolitical, and environmental challenges associated with each scenario. A structured discussion to balance innovation, compliance, sovereignty, and environmental responsibility.

5 Anticipating Changes in Job Roles, Management, and Governance

- Analyze the changes in occupations and skills brought about by artificial intelligence
- Identify activities that can be automated, enhanced, or transformed
- Understanding the mechanisms of resistance and the factors that drive employee engagement
- Defining Management's Role in the Acculturation and Responsible Adoption of AI
- Establishing an AI governance framework that balances innovation, risk management, and compliance

Example

Projected Impacts of AI on Assembly-Related Occupations.

6 Building a 360° AI Vision and Preparing for the Next Disruptions

- Identify the major technological trends likely to influence organizations in the coming years
- Understanding the Intersections Between Generative AI, Agent-Based AI, Robotics, and Quantum Computing
- Analyze the potential impacts on business models, industries, and competitiveness
- Assess the trade-offs between opportunity, risk, compliance, sovereignty, and human acceptability
- Develop a strategic framework to inform future decisions

Demonstration

Case study: Analysis of a transformation project incorporating multiple dimensions: business value, cybersecurity risks, AI Act compliance, governance, human impacts, and technological dependencies. Development of a 360° AI decision-making framework applicable to the organization. Recommendations and discussion among participants.

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