Publication date : 08/29/2024

Course : Ecodesign of digital services: implementing the approach

Challenges, levers, implementation

Practical course - 2d - 14h00 - Ref. SNE

Price : 1340 € E.T.

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Eco-design is a major lever for reducing the impact of digital technology. How and when to implement an eco-design approach? What tools, what benefits? This training course will enable you to apply the fundamental concepts of ecodesign to your digital services.

Teaching objectives

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

- Understanding the challenges of digital responsibility
- Know the tools for implementing an eco-design approach for a digital service
- Assessing the environmental impact of a digital service
- Identify eco-design levers
- Integrate an eco-design approach into the development of a digital service
- Measuring the benefits of an eco-design approach

Intended audience

Decision-makers, IT managers, product managers, quality and environment managers.

Prerequisites

Basic computer skills.

PARTICIPANTS

Decision-makers, IT managers, product managers, quality and environment managers.

PREREQUISITES

Basic computer skills.

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.

Practical details

Hands-on work

Case studies of digital services to help participants grasp the concepts. Practical application workshop.

Teaching methods

Active, participative teaching methods. Alternating theory and practice.

Course schedule

1 The challenges of responsible digital

- Understand the environmental challenges of digital technology.
- Keep abreast of regulatory developments.
- Identify areas of digital responsibility.

Group discussion

Quiz on sustainable development and IT.

2 Key concepts

- Discover the stages of an eco-design approach and the associated standards.
- Clarify key concepts: digital service, life cycle, function, functional unit, evaluation.

Hands-on work

Launch of case study: example of a website.

3 Measuring the environmental impact of a digital service

- Map environmental analysis tools.
- Understand life cycle assessment in line with ISO 14040/44 standards.
- Assessing the environmental impact of digital services: factors to take into account.
- Carry out an environmental assessment of the digital service.

Hands-on work

Case study: digital service lifecycle analysis.

4 Identify optimization levers

- Identify eco-design levers at the usage, functionality and software layer levels,
- Identify optimization levers on all service tiers: equipment, networks, datacenter, cloud.
- Implement eco-design levers adapted to your digital service.
- Determine the environmental gains associated with implementing eco-design levers.

Hands-on work

Case study: identify eco-design levers and associated environmental gains.

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.

5 Develop and implement an eco-design approach

- Define the main stages in the process.
- Plan the eco-design process.
- Integrate the approach into corporate strategy.
- Manage the eco-design process.
- Communicate your environmental approach.

Hands-on work
Case study: specify your eco-design strategy, prioritize eco-design axes.

6 Application workshop

- Make eco-design a reality.
- Understand the sequence of steps.
- Use the tools covered during training.

Hands-on work
Workshop: application to a practical case. Restitution and feedback from the group and the speaker. Synthesis. Action plan.

Dates and locations

REMOTE CLASS
2026 : 26 Mar., 11 June, 24 Sep., 3 Dec.

PARIS LA DÉFENSE
2026 : 19 Mar., 4 June, 17 Sep., 26 Nov.