

Course instructors

Dr. Olivier Saquet

Independent consultant for innovation management, continuous improvement as well strategy, organization and leadership. He has many years of practical experience in implementing innovation and development processes in different companies of the aerospace industry.

Stéphane Sarret

Engineer at Aircelle SAFRAN group, and responsible for assessing and following the improvement plan of the Supply Chain (Maturity and Performance). He has been working on performance, improvement and enhancement of supply chains at Aircelle SAFRAN and Goodrich Aerospace.



Overview

Beyond strategy and technical skills, best companies differentiate themselves by increasing the value of their human capital. Knowing that a high-performing company achieves half its turnover with products and services which did not exist 5 years before and that sustainable firms are those able to gain 3 to 5% productivity every year, the purpose of this course is to explore the management of innovation in order to help generate new services and products for businesses, and to master the processes and tools of continuous improvement. It will be illustrated by test cases from the participant's company or from other cases in the aerospace industry.

Contact



Aerospace is a key driving force for new technologies. Many trend-setting innovations were developed in enterprises and research institutions belonging to the aerospace industry. Products must fulfil severe quality requirements and work reliable under extreme conditions. High-qualified employees are the base for success.

The ASA is an institute of Steinbeis University Berlin and provides a variety of specialized courses and professional trainings to allow companies to hone the skills of their employees and continuously build on their capabilities. Working with leading international experts, we provide in-sight into the very latest research and technological advances.

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Steinbeis University Berlin (SHB)

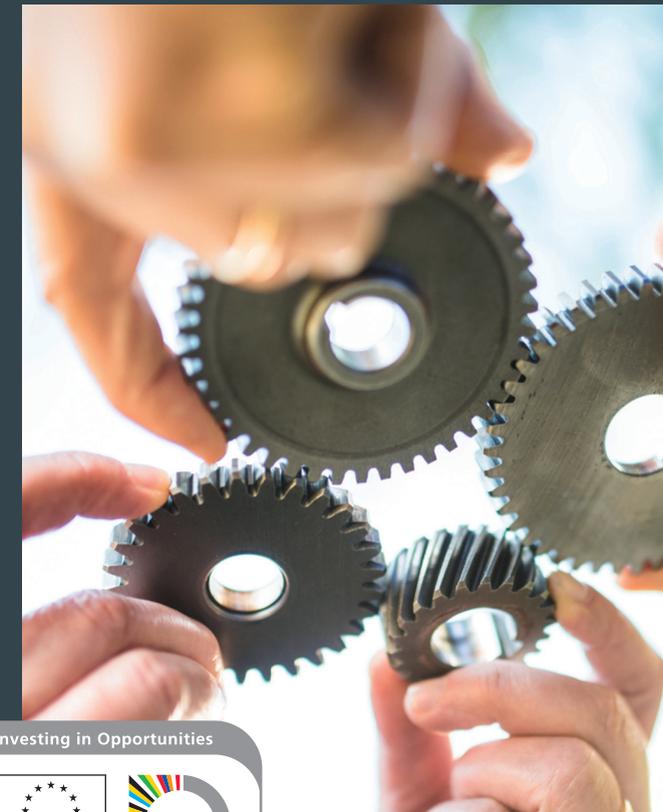
Founded in 1998, Steinbeis University Berlin (SHB) is a state-approved private university that offers students and companies practice-oriented, extra-occupational higher education based on the project competence concept, leading to nationally recognized qualifications. The research carried out by SHB focuses on issues with practical applications. The SHB portfolio of courses ranges from certification courses to degrees and doctoral programs. SHB is an enterprise in the Steinbeis Network, an international service provider in entrepreneurial knowledge and technology transfer.

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CERTIFICATE COURSE

From innovation management to process optimization



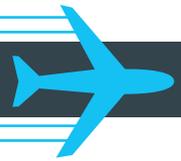
Investing in Opportunities



This project has received European Regional Development Funding through INTERREG IV B.



INTERREG IV B



Target Audience

Engineers and managers in research, production, manufacturing or management positions.

Content

- Industrial performance
- Industrial diagnosis and approach
- Continuous improvement methods and tools
- Optimization processes
- Innovation management
- Innovation lifecycle
- Tools for the implementation and management of an innovative project

Course objectives

To learn how to implement innovative ideas to create the best business solutions and become a practical expert at managing an innovation project and a process of continuous improvement within the company, in compliance with and support to its strategy.

Benefits for the participant

- To foster innovative ideas and understand the different components of innovation
- To know how to put in place an innovation project in his/her business and setup a team innovation to manage innovation projects
- To understand the processes and tools of continuous improvement

Benefits for the company

- Have staff members who can provoke and manage creative and innovative ideas and projects in compliance with the company strategy
- Have employees/managers who understand the processes and tools of continuous improvement and can implement this in their companies
- Have employees/managers whose personal skills are perfectly fitted to tackle the future and development of the company

Module 1: Industrial performance (1 day)

- Industrial excellence
- Performance metrics
- Continuous improvement approaches
- Continuous improvement tools

Module 2: Industrial diagnosis/global approach (1 day)

- Economic aspect
- Methodology aspect
- Improvement monitoring
- From the diagnosis to the road map

Module 3: Innovation management and technologies (1 day)

- Different types of innovation
- Research, development and innovation projects
- Breakthrough or evolution
- Human resources and behaviors
- Business strategies and impacts on companies

Module 4: Innovation life cycle (1 day)

- Organisation and management of an innovation project
- Business context
- Role of the project manager
- Project indicators

Module 5: Management tools for innovative projects (1 day)

- Concepts and definition – participatory exercises
- Fostering and channeling creativity: from the idea to project development
- Team building and management for the personal project

Admission Requirements

- Bachelor's degree in management or engineering
- At least 2 years' work experience

Knowledge Transfer Project

Following to the course each participant works on a knowledge transfer project in his or her company to apply the theoretical knowledge gained in the seminars. The content of the project shall be an actual task from the daily work of the participant. One of the course instructors is a supervisor for the project and an online support/collaborative platform will be put in place. The knowledge transfer project is documented in a short written report.

Course Procedure

The certificate course includes 5 days of seminars, in the training rooms of CESI at St Nazaire. A one-hour written test will be administered on Saturday morning after the last seminar day. Modern pedagogic methods like problem based learning or serious games are tutorial forms which are supported by the constructivist approach. It requires that the learner actively deals with problems autonomously, carries out experiments and thereby gets new insight into complex issues. Problem based learning methods are strongly linked to the learner. An essential precondition to this type of learning is the motivation of the learner.

Certificate

Upon successful completion of the transfer project and passing of the test, participants are awarded a certificate by the Steinbeis University Berlin. In addition, 5 internationally accepted ECTS credit points are awarded. Grading is based on the written test and the knowledge transfer project.

Seminar only

This course is also open to participants who will not go for a certificate. These participants neither have to do the exam nor the transfer project and will get a confirmation of participation in the end.