PRODUCT-LINE ENGINEERING AND VARIANT MANAGEMENT

Course Descriptions

This course is an introduction to techniques for developing a package of related products using a common set of assets and reusable components. Trainees will learn about feature modeling, configuration management, variability management, product-line architecture, product derivation and software product-line development processes. The course aims to enhance the trainees' ability to manage product variants effectively and optimise their product-line development practices.

Learning Outcomes

• Understand the concept of product-line engineering and its benefits.
• Learn about feature modeling and configuration management.
• Acquire knowledge of variability management and its application in product-line development.
• Familiarise trainees with product-line architecture and product derivation techniques.
• Develop skills in software product-line development processes.
• Optimise product variant management practices for improved productivity.

Who Should Attend?

• Systems Architects
• Systems Engineers
• Software Engineers
• Product Managers
• Product Development Managers
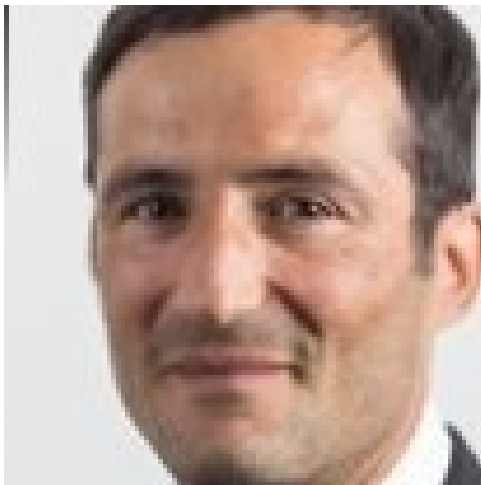• Configuration Managers

Course Rates

Early Bird: 2025 CHF | Regular: 2250 CHF

Duration

3 days

Delivered By

Vincent Arnould

Vincent Arnould brings over two decades of experience as a versatile leader and expert in the field of System Engineering and Architecture. His career spans in the defense domain, on avionics and maritime warfare systems. His expertise lies in Software Intensive Systems and Systems-of-Systems Architecture and System Engineering, supported by a robust skill set that includes transversal management, communication, and international collaboration. He has excelled in leadership roles at companies like Naval Group and Hensoldt Sensors GmbH, contributing to prestigious projects such as the Gowind-class Frigate, the Future Combat Air System (FCAS) and Maritime Airborne Warfare System (MAWS). Vincent's expertise lies in operational analysis, architectural design, and Model-Based System Engineering (MBSE), driving successful outcomes in the defense

and avionics sectors. His transnational collaboration and commitment to rigorous quality standards like SysML further underscore his influence in the industry.