Competence development

Systems integration: where architecting meets project management

Systems integration requires cooperation from many project members, such as project leaders, product managers, architects, lead designers, integrators, and testers. Integration is more than a simple aggregation as the reverse of the decomposition. When system integration is done well, the customer gets the right product with the right dynamic behavior as expected within time.

Overall goal: joint ownership

The programme covers systems integration from an early validation perspective and better understanding of the customers' context. This means integration starts at the exact time, architecting starts or soon after. Teams that are creating joint ownership in the whole integration process and that have thorough understanding will outperform teams that stay on their (mono)disciplinary islands.

Participants develop a reflective and critical attitude that results in an open and problem-solving mindset applied in one of their own projects. How to find unknowns and major uncertainties as early as possible in a multi-stakeholder environment, to mitigate system and project consequences. Professional teams with a thorough understanding of an integration process are needed. Key is joint ownership.

TARGET GROUP
Project teams in high-tech industry

DURATION
3-12 months

COSTS
on request

FREQUENCY
on request

FORM
online, offline, coaching

INFORMATION
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Business outcomes

This programme contributes to:
1. Increase effectiveness in system integration concerning quality by means of fitness for purpose
2. Alignment of team members
3. Managing the project within time and budget

Learning objectives

At the end of this course and integration project, participants will:
• understand the underlying principles of early validation
• understand professional views/roles
• align the different team members
• create an usable integration sequence and project plan
• know when to reflect and adapt during the project

When is this course relevant?

• New: new project, new team or little experience on board
• On the move: optimize and assess your current way of working and maximizing your team's potential
• Complex: when changes, complexity and crisis are at the front of your door and you want additional support

Set-up

This programme is unique in its form and can be described as learning as a service. It is a mix of online and offline moments to increase awareness concerning interdepencies, risks and challenges. A project of your own is at the heart of the learning programme. This project will be identified and explored in the intake. After the intake the participants will continue with the following journey:
1. Preparation: short videos for establishing a common jargon
2. 2-day pressure cooker: work on shared understanding of the most critical key performance parameters and how that influences different stakeholders, planning and budget
3. Investigation: look up extra information team members need for their project to work out successfully to mitigate foreseen risks.
4. Come back session: present a new sequenced plan and present it to management team together with what they have learned.
5. Coaching sessions: the months after there will be structured support that can be embedded in the regular project meetings.

Learning fast by failing early

4-hour assessment workshop

Before committing to an intense programme as described in this leaflet, we first want to offer the possibility to do a four hour assessment workshop to see whether the whole journey is suitable for your organization and project. We start with an intake with the project leader to define the team and assessment focus. In the following half day workshop, an experienced integration architect helps your project team to
assess the current integration readiness and identify areas that need (integration) attention. Moreover, a strong focus will be placed on human aspects and soft skills which play a crucial role in the integration phase.