

One Day in the Exploration Lab

System Engineering Meets Agile Product Development

Innovation typically revolves around managing complex system requirements with lots of uncertainty; thus, requiring a structured "compass" for effective navigation. To that end, your team will learn and apply **Lean De-Risking** – a mindset that brings winning ideas to life faster by spending less on each attempt. We will tackle a specific challenge from your own work environment (to be discussed beforehand). Our innovation managers guide the participants to identify the key pain point(s), build, test, and validate preliminary solutions.

The Framework:

We follow a three-stage process for agile systems engineering:

1. **System Mapping & Decomposition:** We begin by mapping out the solution space. We decompose the "Big Problem" into functional modules to understand their dependencies and specific challenges within the system architecture.
2. **Ideation & Concept Selection:** We generate diverse solution concepts for the identified modules. Then, we select concepts based on a value-risk matrix.
3. **Rapid Loops:** Not all concepts carry the same risk. We identify the "one tough nut" for each promising concept and iterate on it using the **Five Finger Formula**.

Here you find more details on [Lean De-Risking](#) and the [Five Finger Formula](#).

Proposed Schedule:

08:30 Theory Input & Coffee: Lean De-Risking and the Five Finger Formula

09:30 Powerthink I: System Mapping & Decomposition

10:15 Coffee break

10:30 Powerthink II: Ideation & Concept Selection

11:45 Teams' Concept Presentations

12:00 Lunch Break: Pizza & Soft Drinks

13:00 Hack Session: Rapid Prototyping

16:00 Presentation and Roadmap

16:30 Retrospective & Feedback Session

17:00 Apéro (optional)

Pricing:

The workshop fee is **CHF 6'500** for up to **8 participants**. The fee includes a preparatory online meeting to discuss the selected technical challenge, supervision and instruction by two experienced innovation managers during the workshop, access to our prototyping workspace and tools, all required soft-prototyping materials, as well as food and drinks.