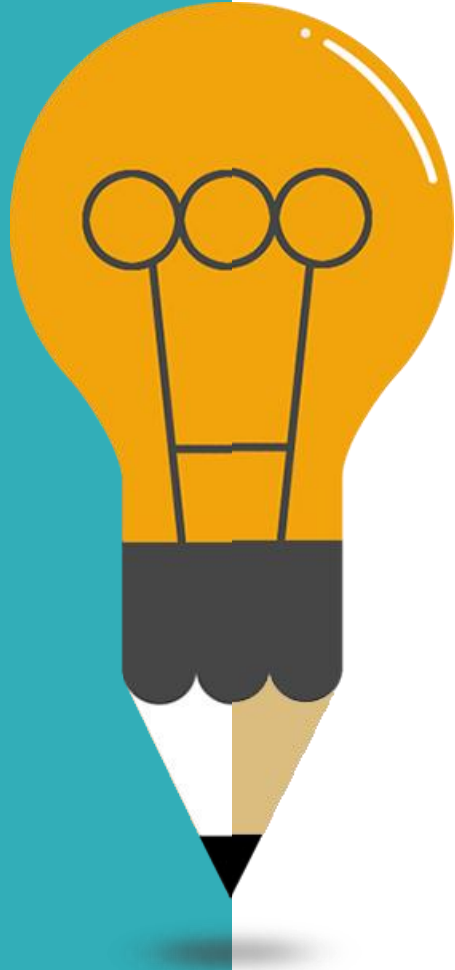


A person wearing a white headscarf and a brown tunic with a red sash is seen from behind, holding a flaming torch. They are standing in a vast, green, hilly maze that stretches into the distance. The torch is lit, casting a warm glow. The overall scene is set against a teal background.

Capturing the Right Knowledge

A Learning Journey

CONTENT

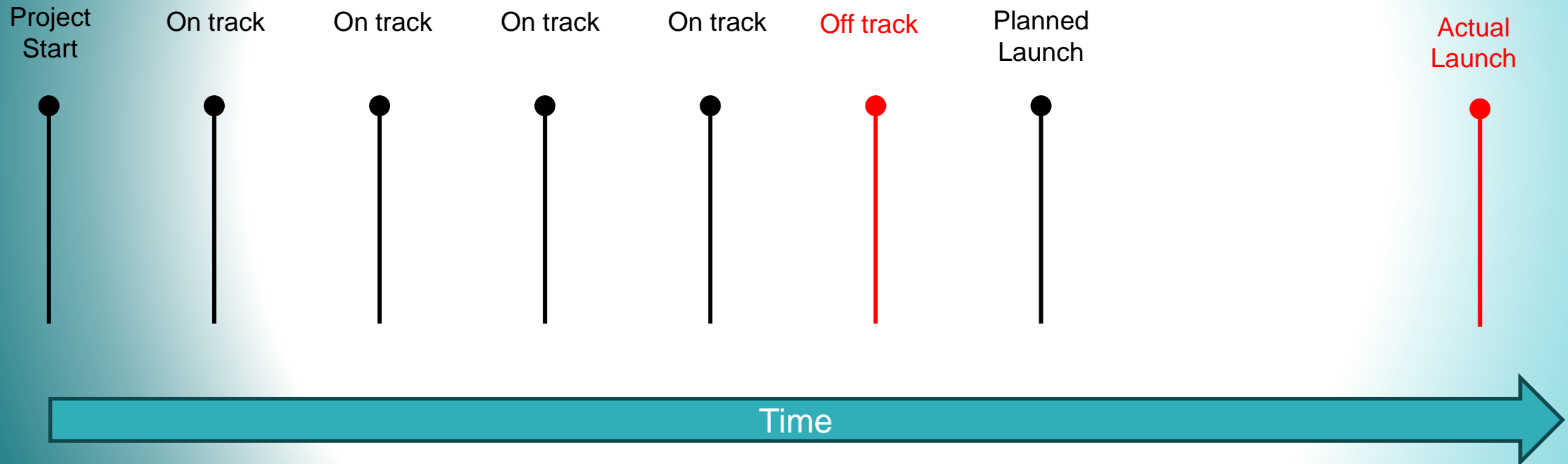


Systematic Learning – Using an iterative approach

Based on the experience from one specific project

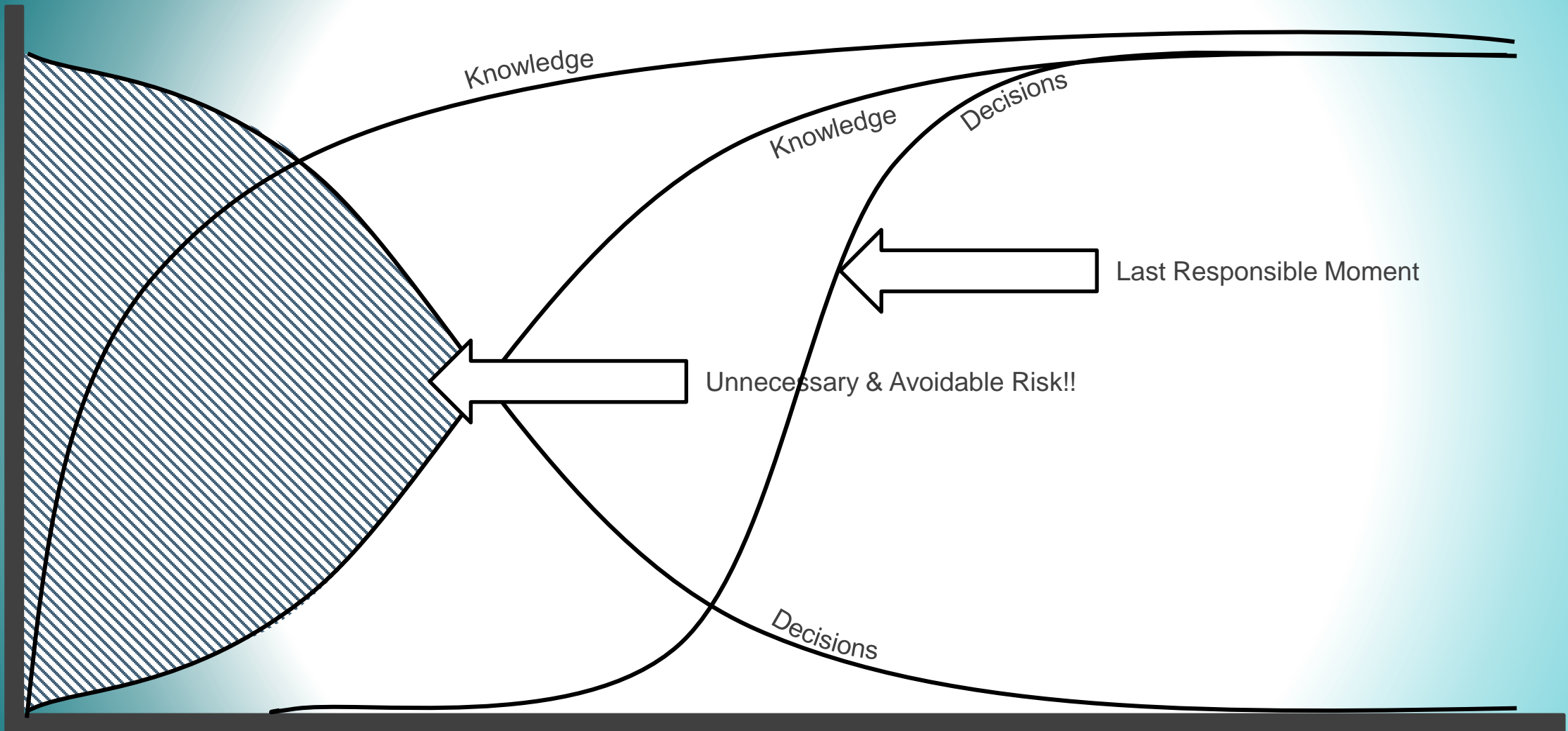
The Common Problem

Why delays happen at the end



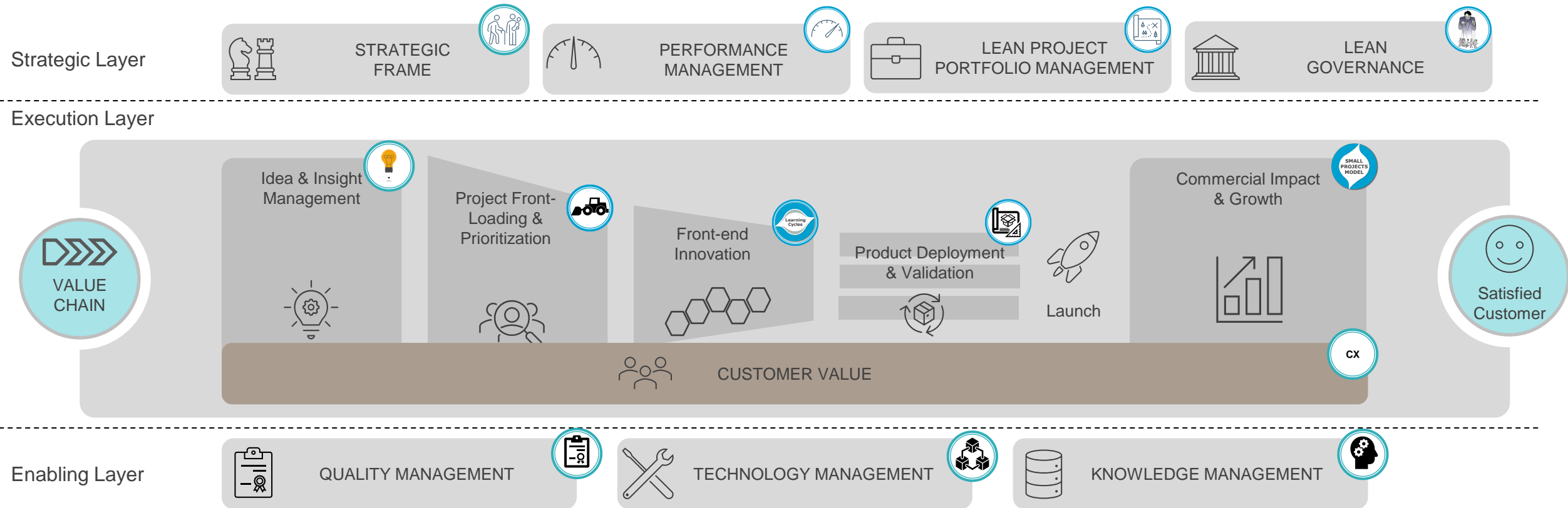
The Common Problem

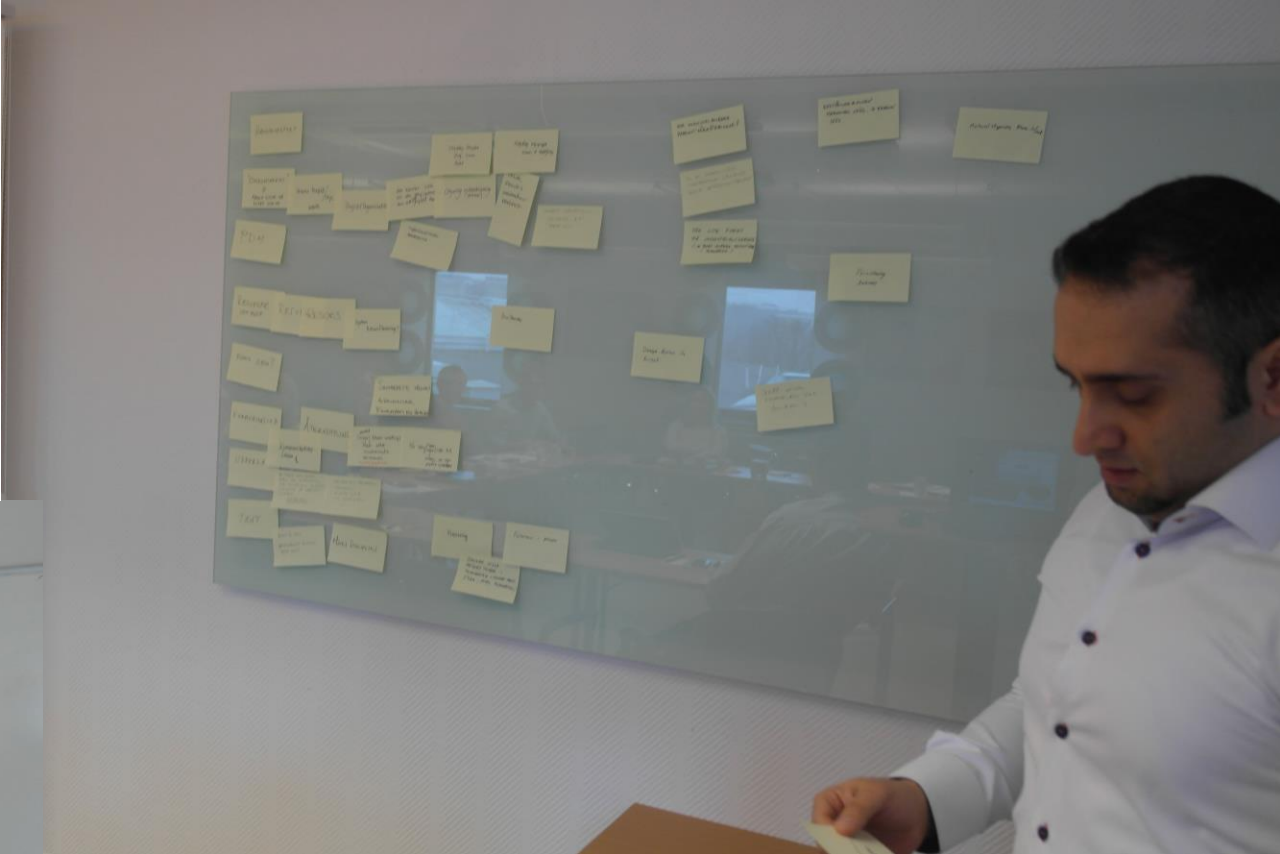
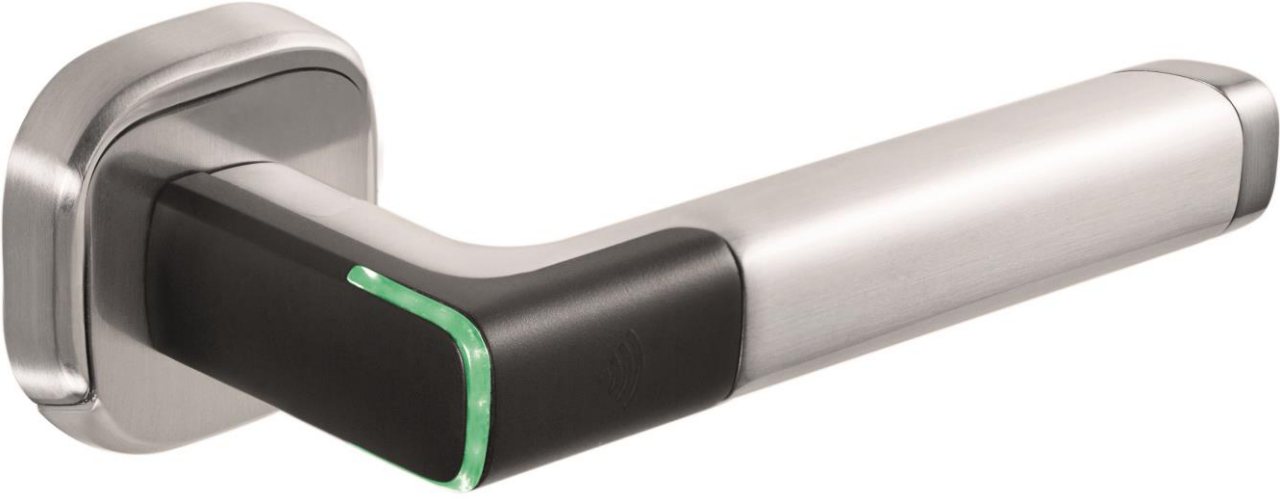
Why delays happen at the end



LEAN Product & Process Development

System View

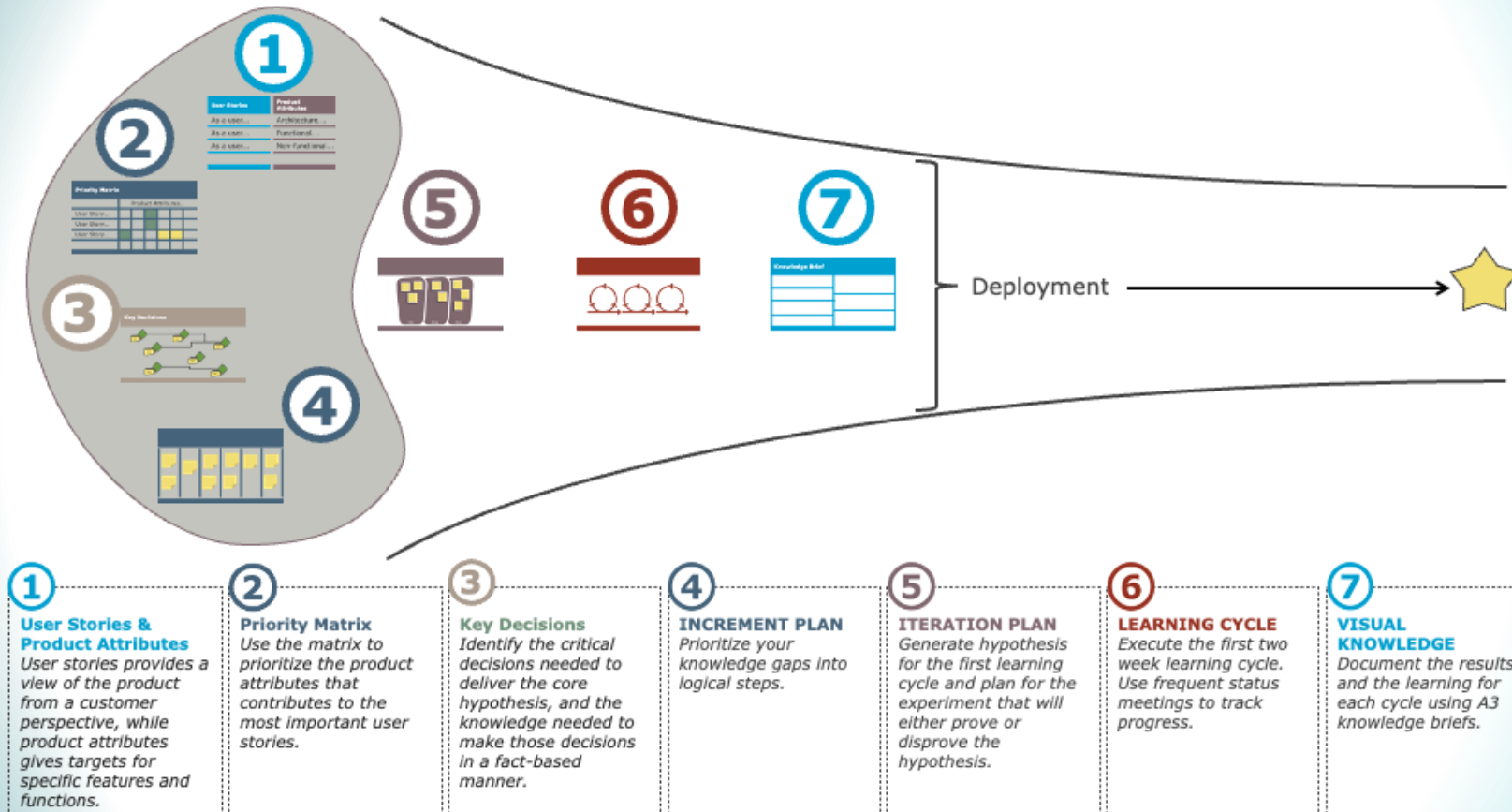
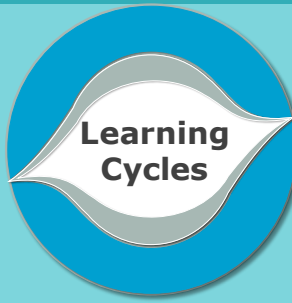




This involved a lot of people and a lot of sticky-notes

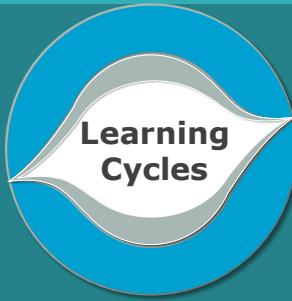
Learning Cycles

First explore and experiment, then design and deploy



The Starting Point

Define a Mission



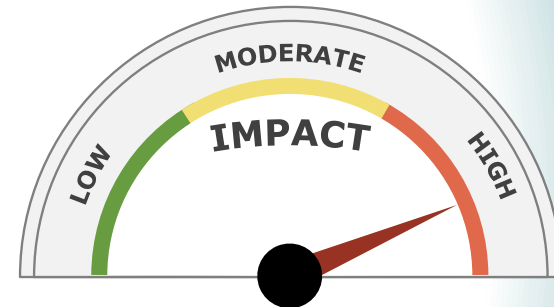
Core Business Hypothesis

Who

What

When

Where



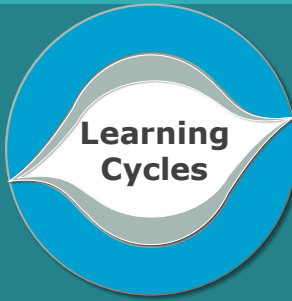
Define the Mission

What happens if we combine these two?



USER STORIES

Define the need of the customer



"As a <Role>
<perform
that <occurs>."

May not be directly actionable

①

User Stories & Product Attributes

User stories provides a view of the product from a customer perspective, while product attributes gives targets for specific features and functions.

User Stories

As a user...

As a user...

As a user...

FRONT LOADING

EXECUTION





What a nice sense of freedom! We have this installed in our entire office and it's great. It was so quick, so easy! Access has never been easier.

Wow, it feels just right! I love the easy access to my office. The feeling of just swiping my card and push down the handle is so good. And I know that my office is secure.



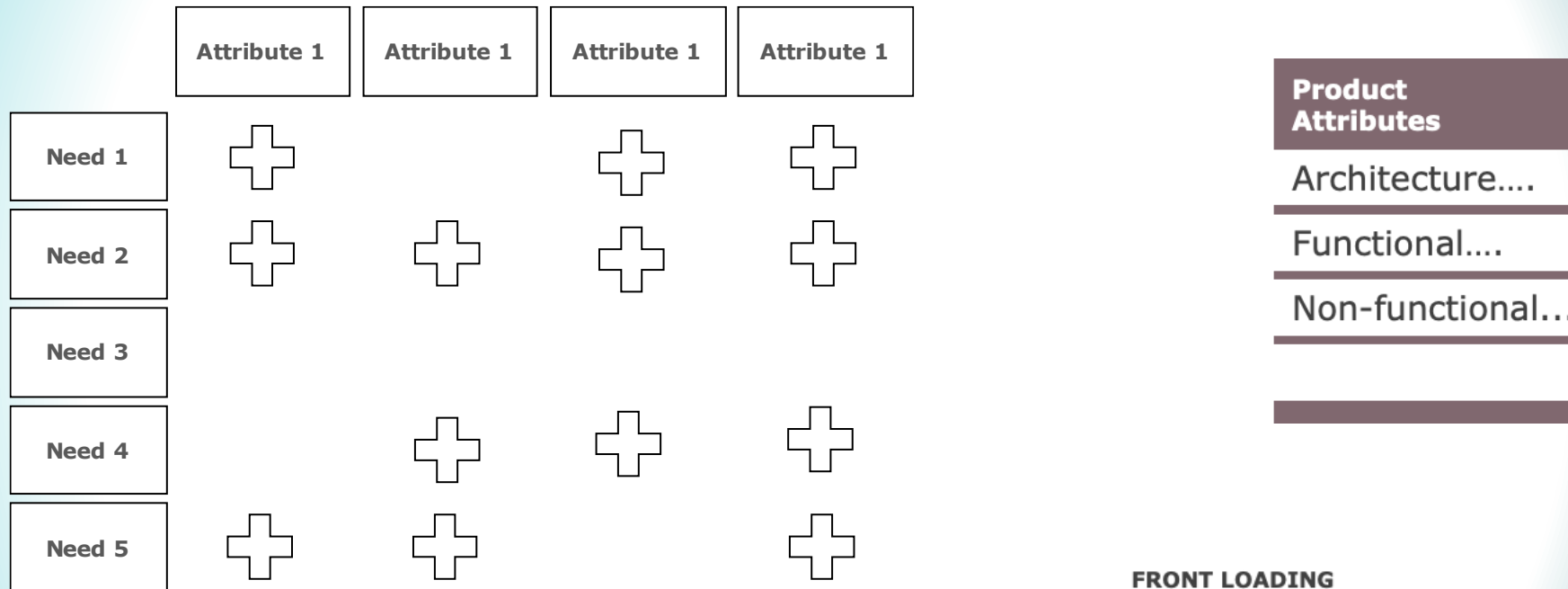
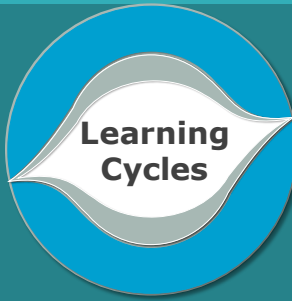
Never been easier to install an access control system. I can install an entire building in a day, and it all just connects. No drilling or problems. Just put the handle on the door and go. Magic!

Very easy to get the system up and running. No cables, no faulty installations, no thinking about the voltage, 12 VDC or 24 VDC. Just Wi-Fi! Makes my day a lot easier, I love it.



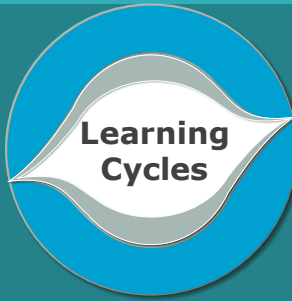
Product Attributes

The physical architectural attributes



Priority Matrix

Prioritizing the most important attributes



②

Priority Matrix

Use the matrix to prioritize the product attributes that contributes to the most important user stories.

Priority Matrix						
	Product Attributes...					
User Story...						
User Story...						
User Story...						



Priority Matrix

Prioritizing the most important attributes



Simple Life



Add access control capability to any interior door



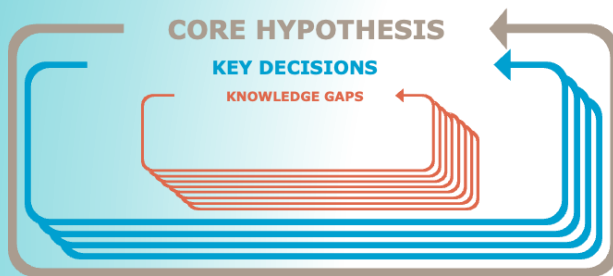
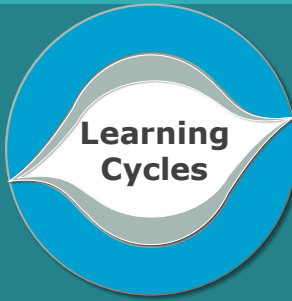
The global leader in door opening solutions

ASSA ABLOY

Prioritized Needs	Rationalization				

Key Decisions

Defining the most important knowledge



③

Key Decisions

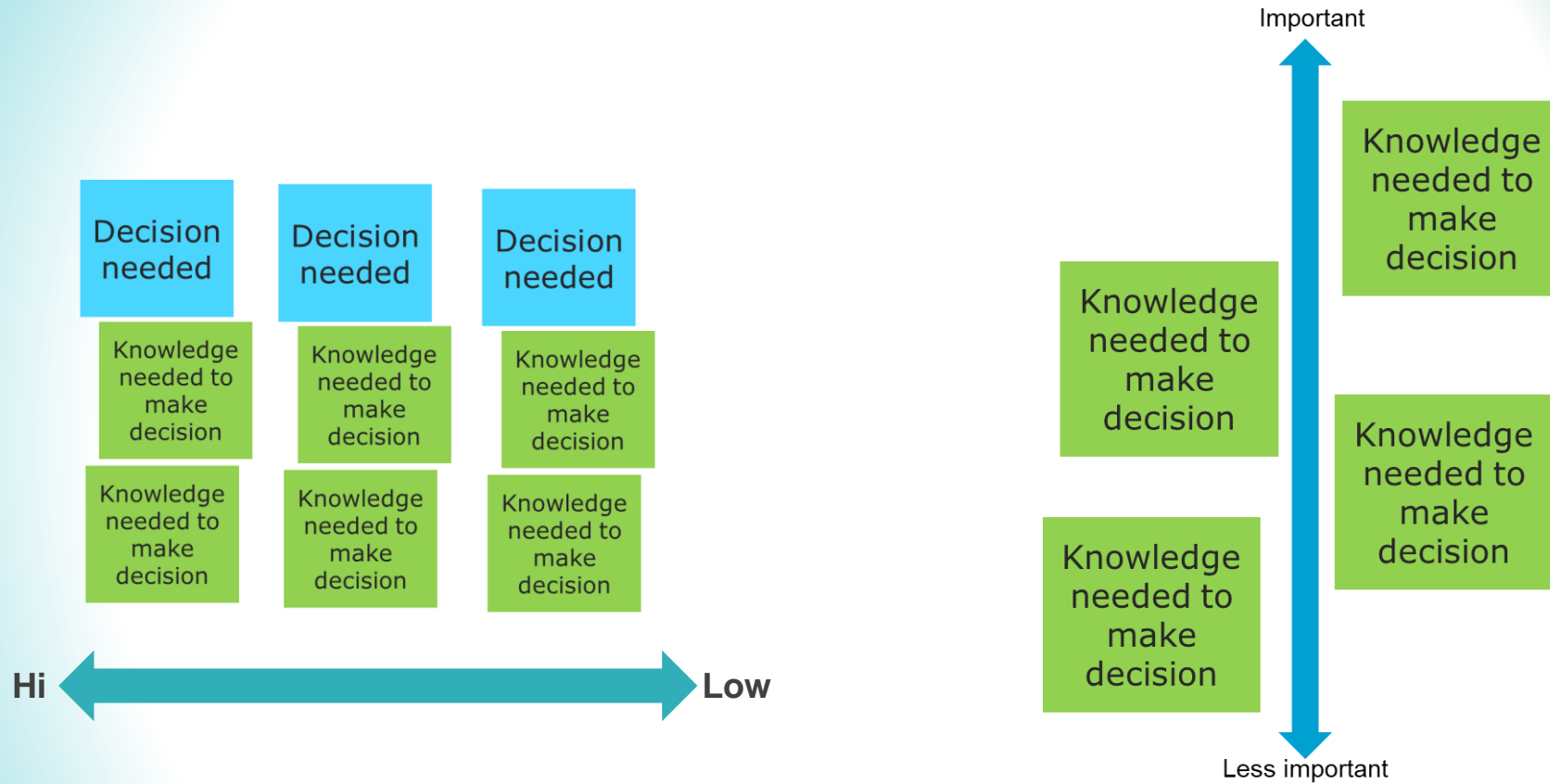
Identify the critical decisions needed to deliver the core hypothesis, and the knowledge needed to make those decisions in a fact-based manner.

Priority Matrix						
	Product Attributes...					
User Story...						
User Story...						
User Story...						
Key Decisions:						



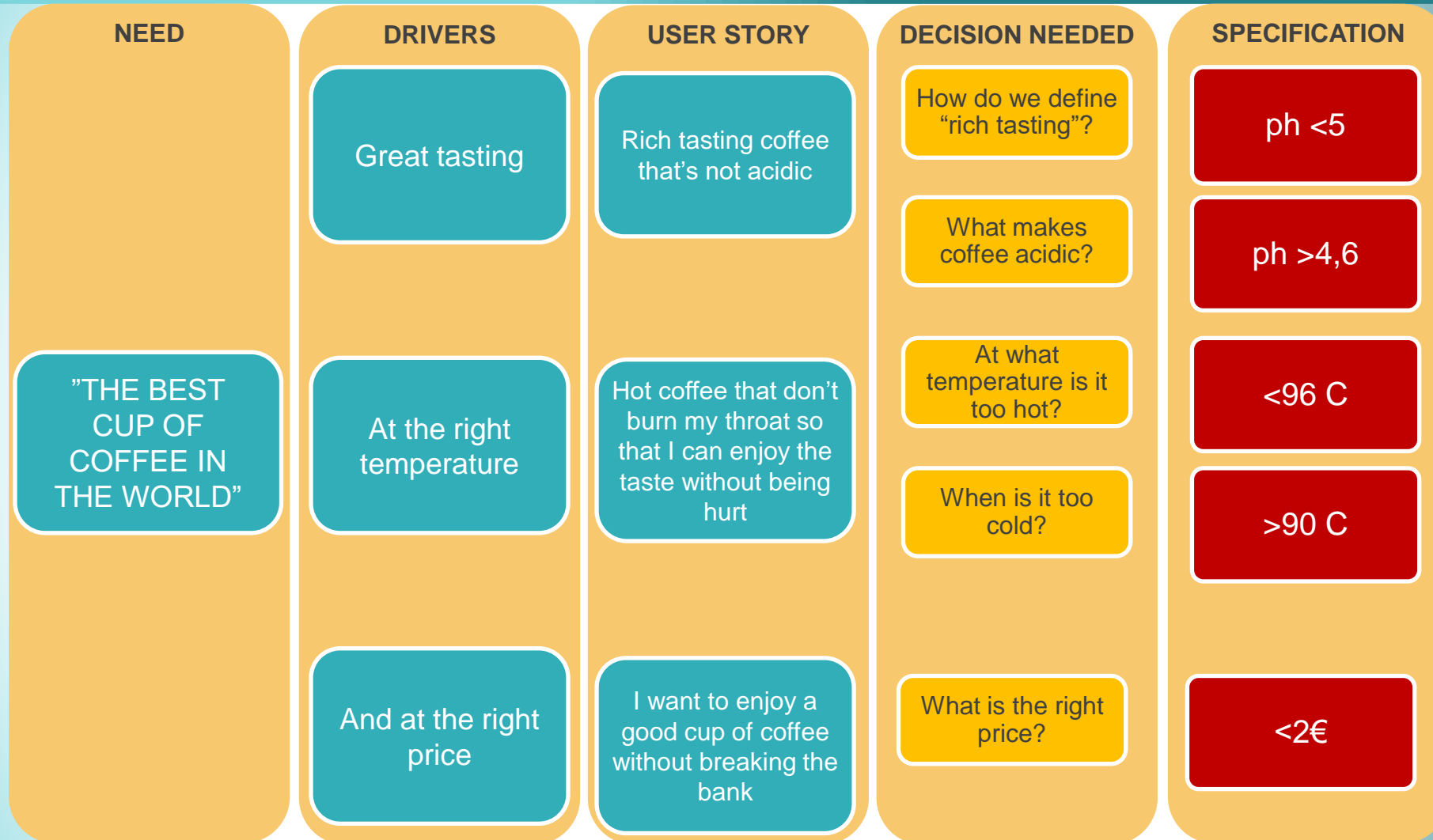
Key Decisions

Defining the most important knowledge


















Search for Limits

Building the Right Knowledge



Increment Plan

Lay out the key decisions/knowledge gaps into logical steps

	Iteration 1	Iteration 2	Iteration 3	Iteration 4	Iteration 5	Iteration 6
Key Decisions						
Knowledge Gaps		 		 		 
Risk Mitigation						

4

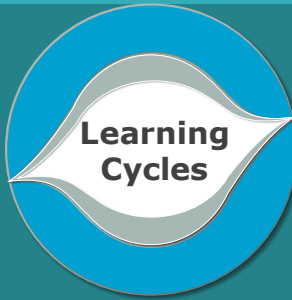
Increment Plan

Prioritize your key decisions & knowledge gaps into logical steps.



Execute

In Short Iterations



Execute

5. Plan the weeks experiment, risk mitigation activities, learnings.

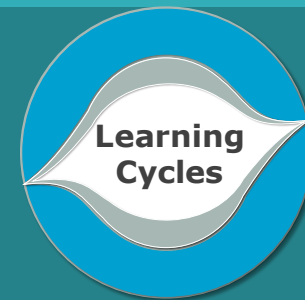
6. Utilize daily stand-ups to drive the process

7. Document results & learnings



Document Learning

Simple and to the point







Test & Learn Card	
Product: <input type="text"/>	Experiment: <input type="text"/>
	Date: <input type="text"/>
	Assigned to: <input type="text"/>
We believe that: <input type="text"/>	We observed: <input type="text"/>
We verify that, we will: <input type="text"/>	From that we learned: <input type="text"/>
And measure: <input type="text"/>	Therefor we will: <input type="text"/>
We are right if: <input type="text"/>	

4

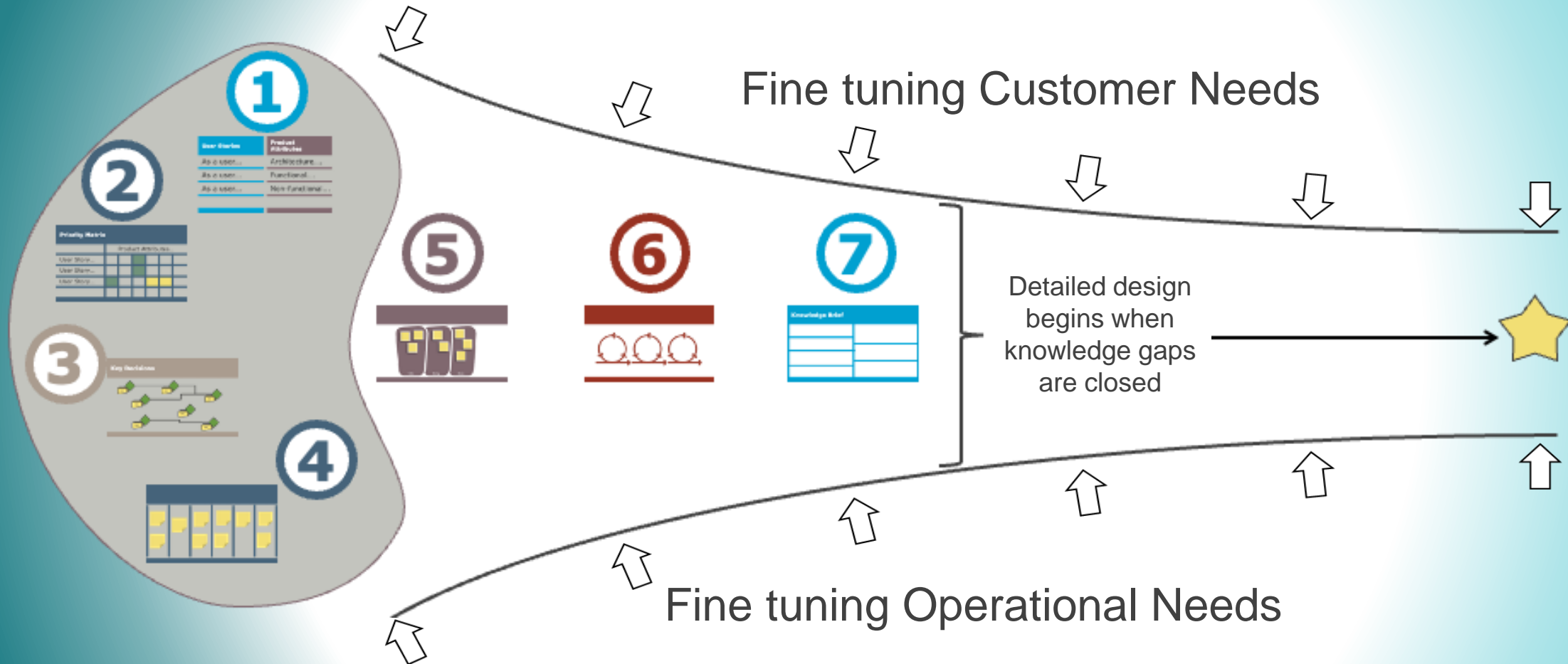
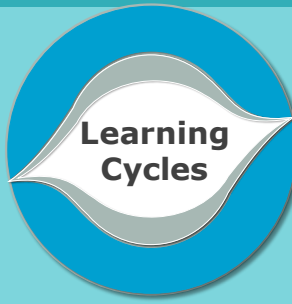
Public

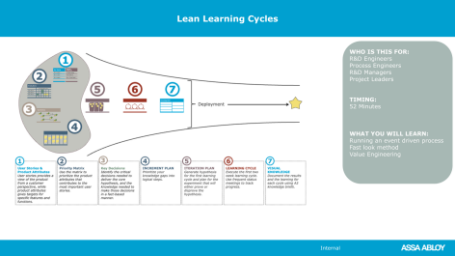
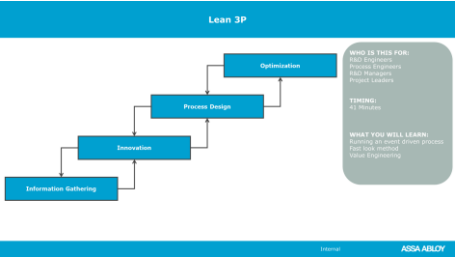
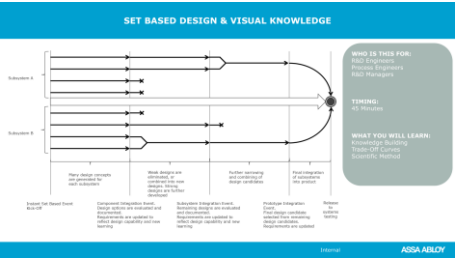
ASSA ABLOY

Concept	A	B	C	D	E	F	G	H	I	J
Function										
Clutch	Torx/Spline eller Kombo, Flytta axel 	Utskjutande Skenor/kilspår 	Negativt Ingrepp/ Reversed Engagement 	Rullar, linjära	Cykelnavsklackar/ Ratchet Hub	Utskjutande Stift	Spårkoppling	Rullar, radiella	Kulpetare	Torx/Spline eller Kombo, Flytta hylsa
Actuation	Motor som ger roterande rörelse 	Motor som driver axel i fjäder	Tryckesrörelse	Motor som driver axel med trappstegsänga	Abloys variant	Solenoid Linjär	Solenoid Roterande	Stegmotor	Piezo	
Rose Handle	Horizontal split	Vertical split								
Rose Handle	Modular	Fasta torx								

Learning Cycles

Use the Funnel





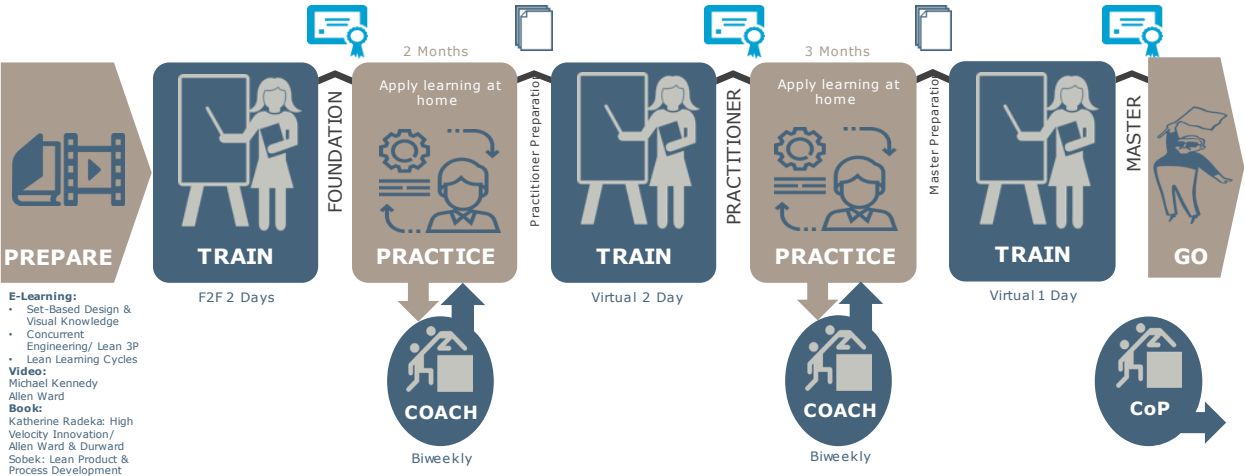
E-Learning

Playbooks



Lean PPD 4 Teams - Training

F2F-Training



Thank You

Capturing the Right Knowledge

