

HYBRID AGILE & THE MISSING LINK

Efficient development of
irresistible products & services

LPPDE Europe 2023, Munich April 24th



Who am I?

Henrik Sonnenberg

Lives in Copenhagen, wife, 3 kids, 1 dog, 1 cat

Sports (tech) nerd, snowboard, nordic skiing, in-line skate, swimming & mtb. Anything Garmin can track

Education

- Engine fitter/ CNC Operator (Denmark)
- Mechanical engineer (DK/ Germany)
- MBA Operations (USA/ France)

Work

- MAN Energy Solutions (DK)
- Mercedes Benz (Germany)
- KUKA (Germany)
- Yaskawa Electric (Germany)
- Gemini Consulting (Germany)
- Implement Consulting Group (Denmark)
 - Partner, Agile & Innovation

IMPLEMENT

CONSULTING GROUP_

NORDIC ROOTS GLOBAL PERSPECTIVE

Headquartered in Copenhagen with offices in Aarhus, Stockholm, Malmo, Gothenburg, Oslo, Zurich, Hamburg, Düsseldorf, Munich and North Carolina, our heart is in the North. With +1300 consultants, multinational clients and worldwide projects, we offer expertise with a global perspective.

We believe that great organisational impact leads to great impact for humanity. Implement was created to help make true expertise turn into real change.



Founded
in **1996**



Employee-
owned



Average
CAGR of **20%**



Working
globally

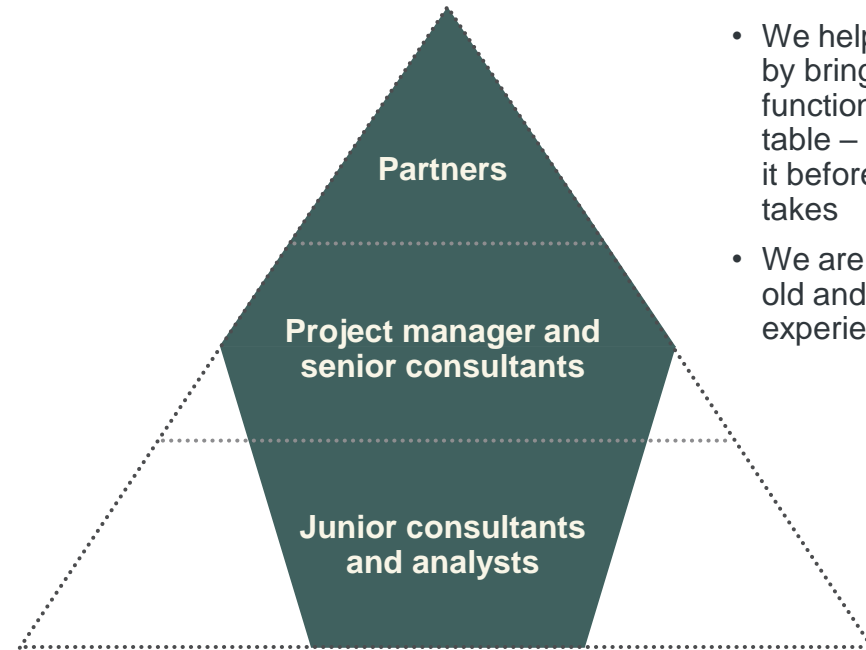


COLLABORATIVE CONSULTING...

We don't work for our clients – we work with our clients

Only **1/3** of all change initiatives have the desired **impact** ...

We aim to bridge analytical depth with a deep sense of what it takes to make things happen



- We help companies transform by bringing seniority and functional expertise to the table – people who have done it before – and know what it takes
- We are on average 37 years old and rely much more on experience than our US peers

MAKING IT HAPPEN

WORKSHOP OBJECTIVE

- Help our companies & colleagues develop the products and services that the world really needs
- Help do that with greatest possible engagement and lowest possible resource consumption
- Inspire each other with new thoughts and practice around Agile NPD & validation
- Reflect and capture the best “next thing” to do (different) back home, improving performance of my company

AGENDA:

- 
- 08:30** Introduction & individual choice of reflection “objects”
 - 09:20** Challenges in Product Development + Group Talk
 - 09:55** Break
 - 10:05** New thinking needed: Hybrid Agile & The missing link + Group Talk
 - 11:10** Break
 - 11:20** Deep-Dive into validation
 - 12:10** Outro & the Letter to Myself
 - 12:30** End-of-Workshop

**WHO
ARE
YOU**



- Name & company
- Responsibility & vision/ targets
- Agile maturity (0-10) you & your firm
- 1 thing your company is good at regarding Agile NPD
- Expectations of this workshop

WORKSHOP GROUND RULES

Open for other ideas

Trust to share

Active together – we make this great

Practical

Even participation

What happens in Vegas

LET'S ENSURE MAX RELEVANT & CONCRETE DISCUSSIONS



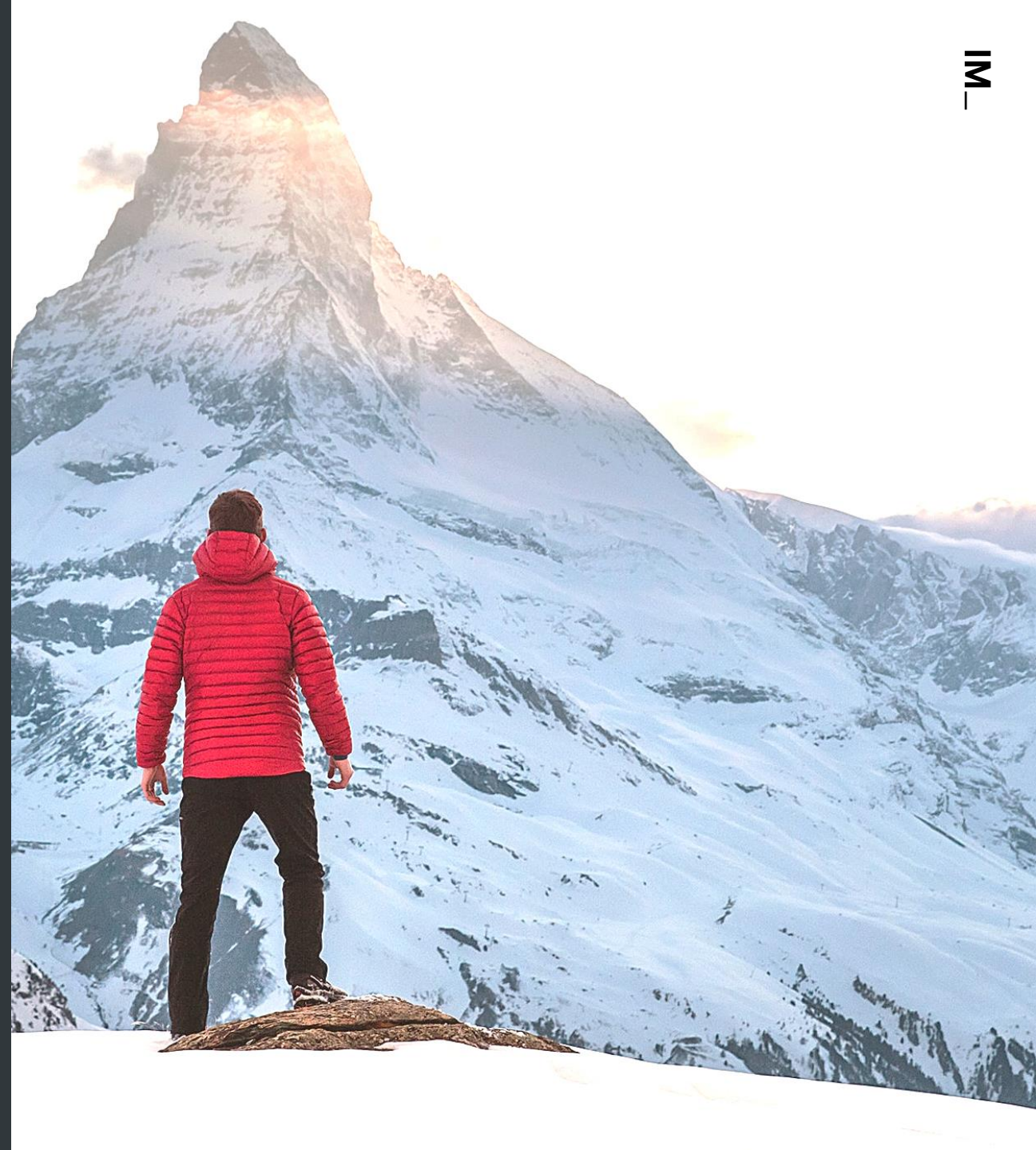
**It stays in
Vegas 😊**

Individually, please think an “object” for discussion and improvement

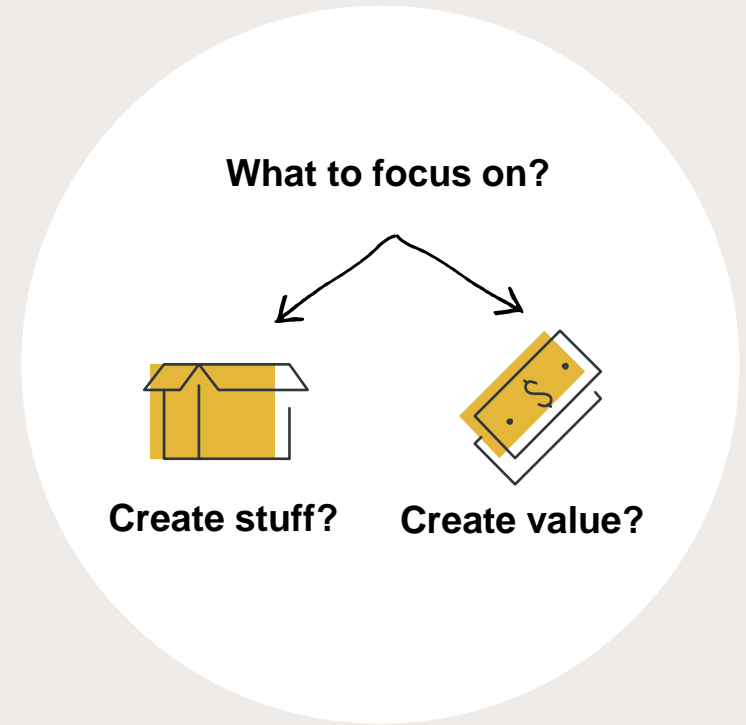
- A unit/ area you are part of or leading
- A specific & important NPD project
 - Early in its journey
 - Target impact
 - Launch date

5 BIG

challenges
of product
development



#1 IT'S CALLED PRODUCT DEVELOPMENT



Strategy/
insights

Research and
development

Sell like
mad

Idea

Concept

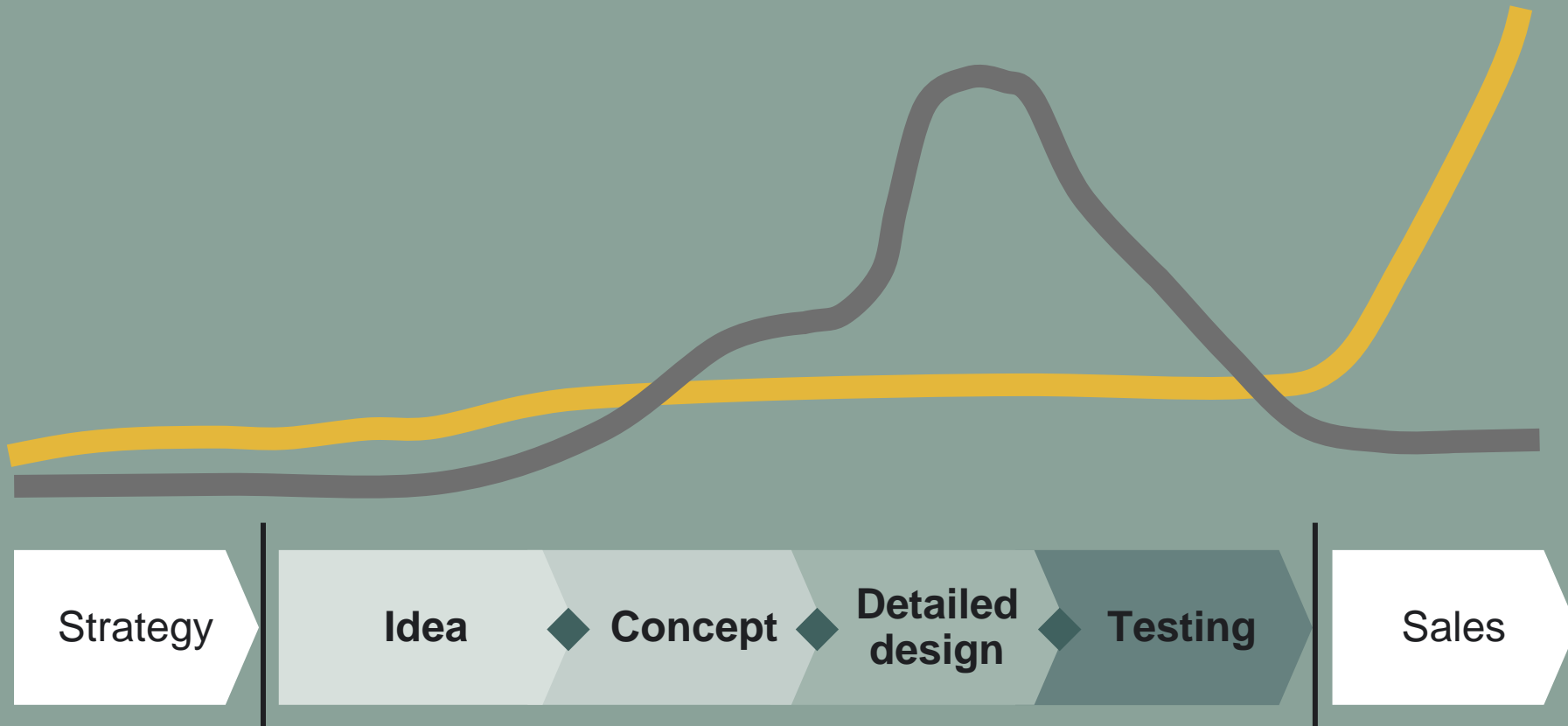
Detailed
design

Testing

#2

LAUNCH IS THE END – NOT THE BEGINNING

IM



**LEARNING:
WHAT
CUSTOMERS
CARE ABOUT**

**DEVELOPMENT
EFFORT**

#3

HANDOVER OF RESPONSIBILITY



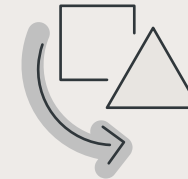
FRONT-END

(Define the need)

(Think)



Handover



DEVELOPMENT

(Deliver the solution)

(Do)

#4

WE DEAL WITH UNCERTAINTY USING PREDICTION & WEAK EVIDENCE



BUSINESS
CASE



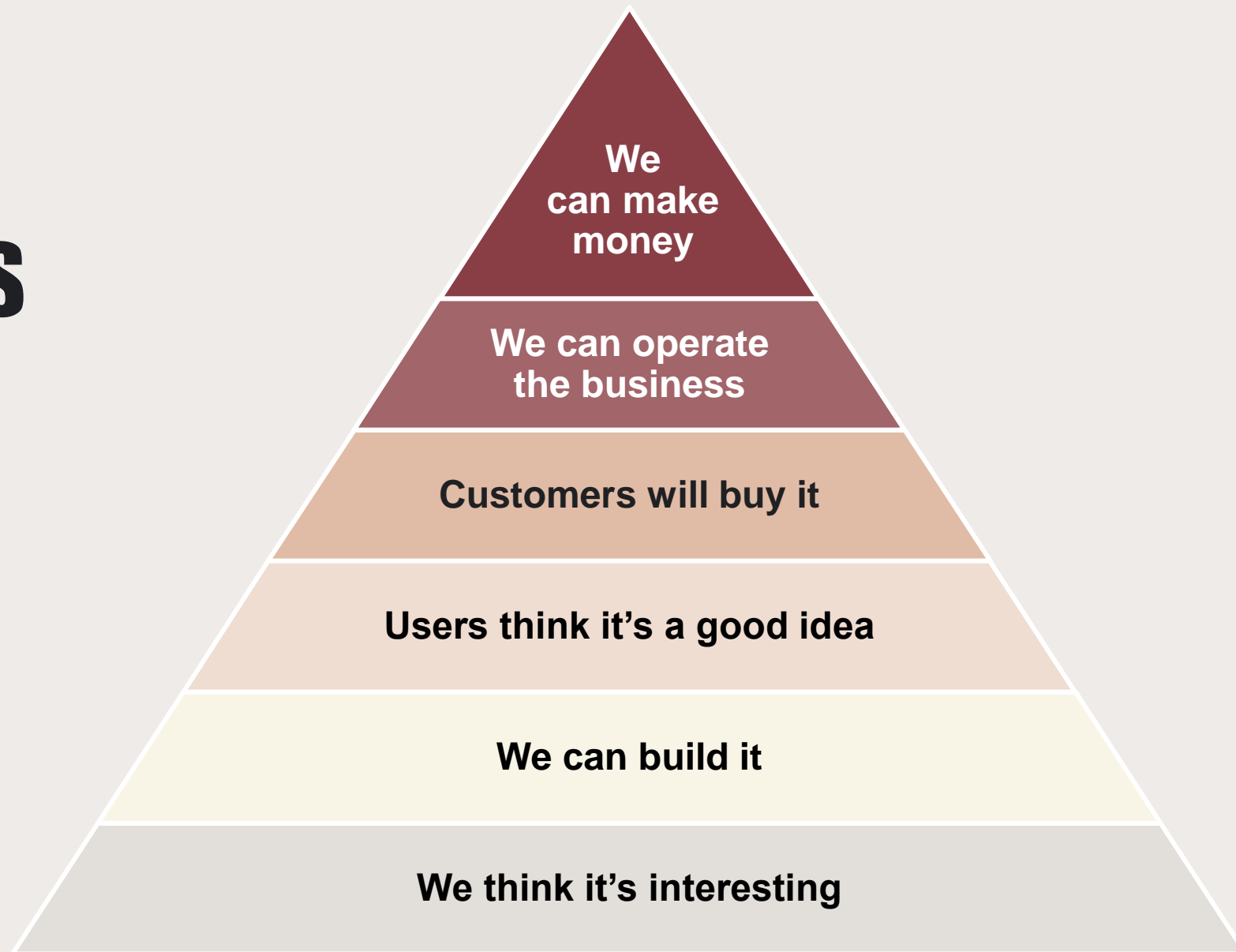
BASED ON
PREDICTIONS

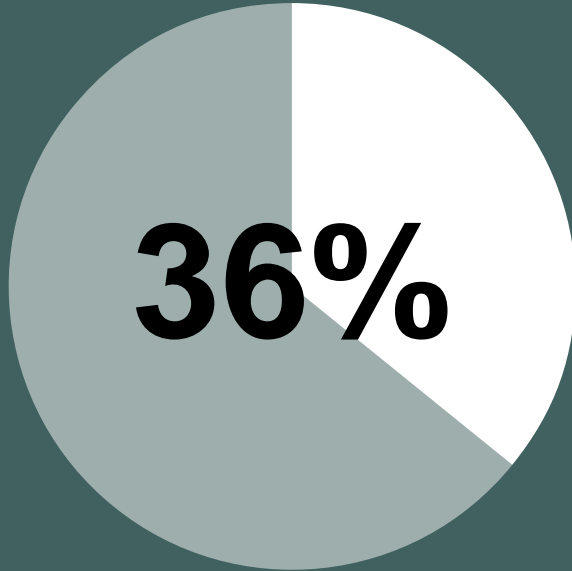


BASED ON
“SAY EVIDENCE”

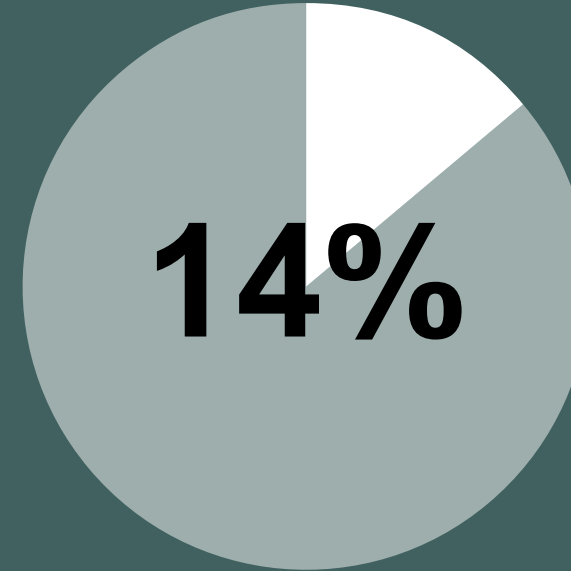
#5

INSIDE-OUT AND SOLUTION FOCUS





**of all projects
today are
characterized as
successful***



**of knowledge
workers are
fully engaged
in their work***

THINK OF YOUR “OBJECTS”: UNIT/ AREA OR CHOSEN PROJECT

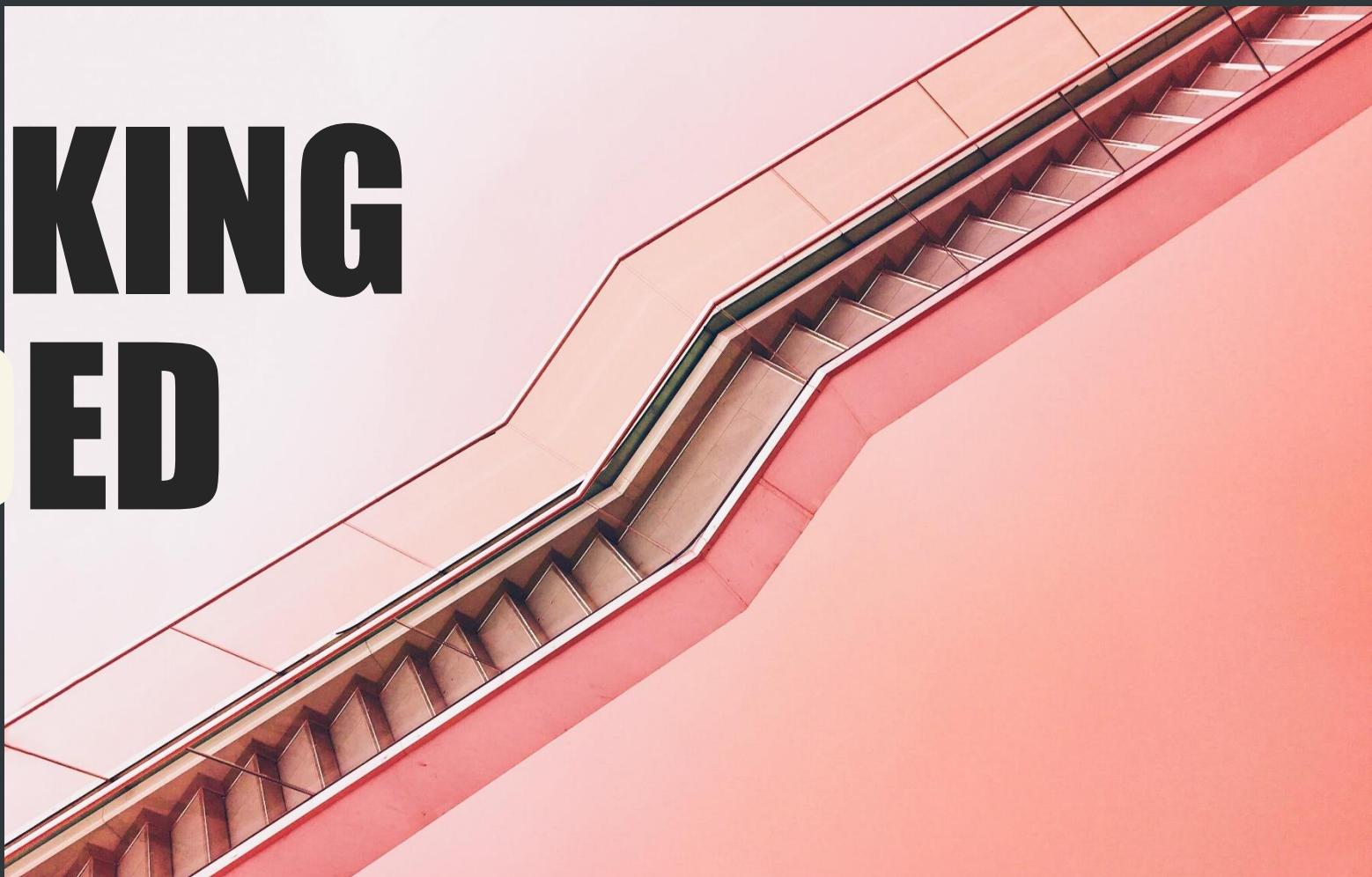


- Which of the mentioned challenges do you recognize?
- What other opportunities for improvement do you see?



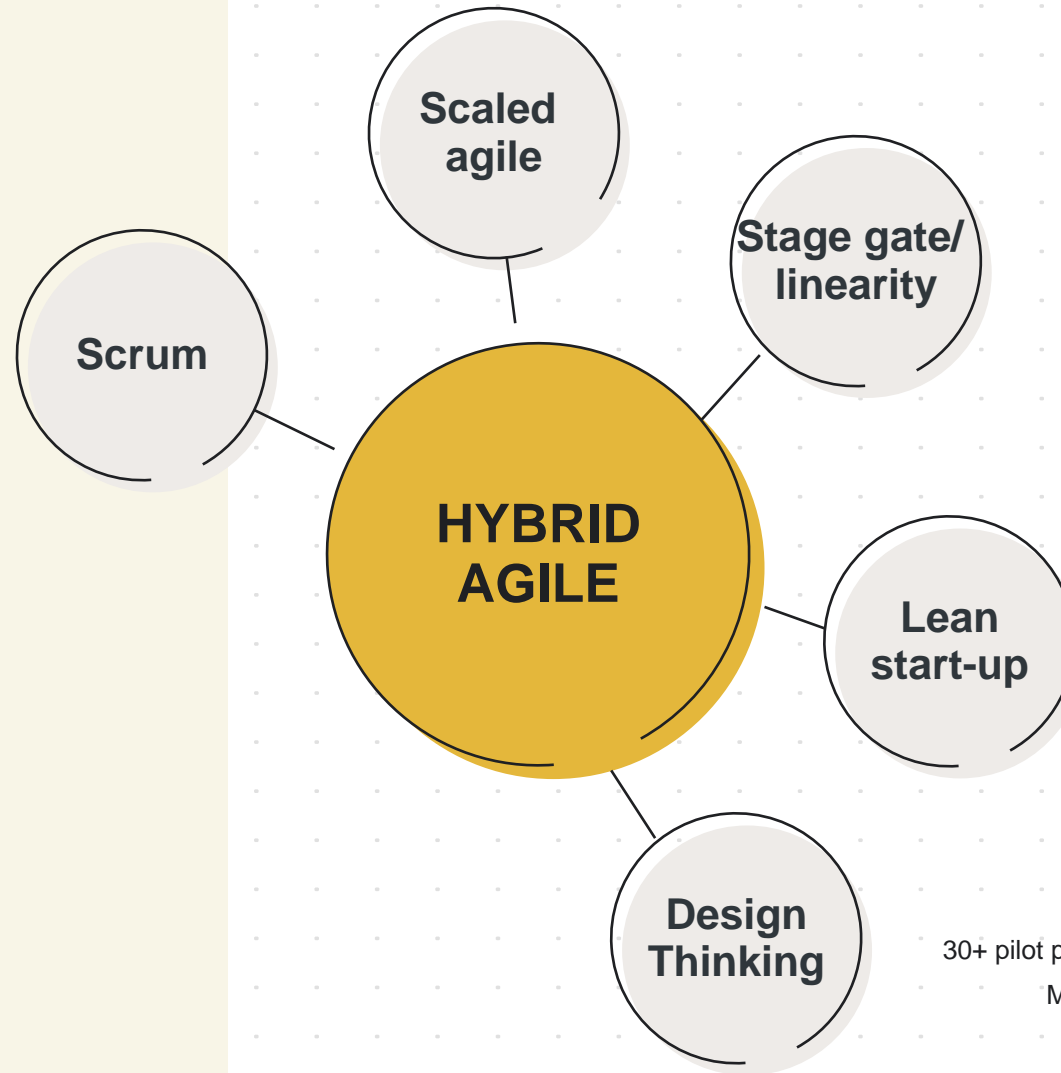
BREAK

NEW THINKING NEEDED



HYBRID AGILE

- Solve user problems with new solutions (not just operational improvement).
- Solution is more than software.
- Create business impact and not just features.
- Firms with existing development setup and process (& physical supply chain)



Half Double Community of 2,500+ PMO/PM professionals
30+ pilot projects conducted across industries
Method impact validated by research (3 universities)
Certifications by APMG

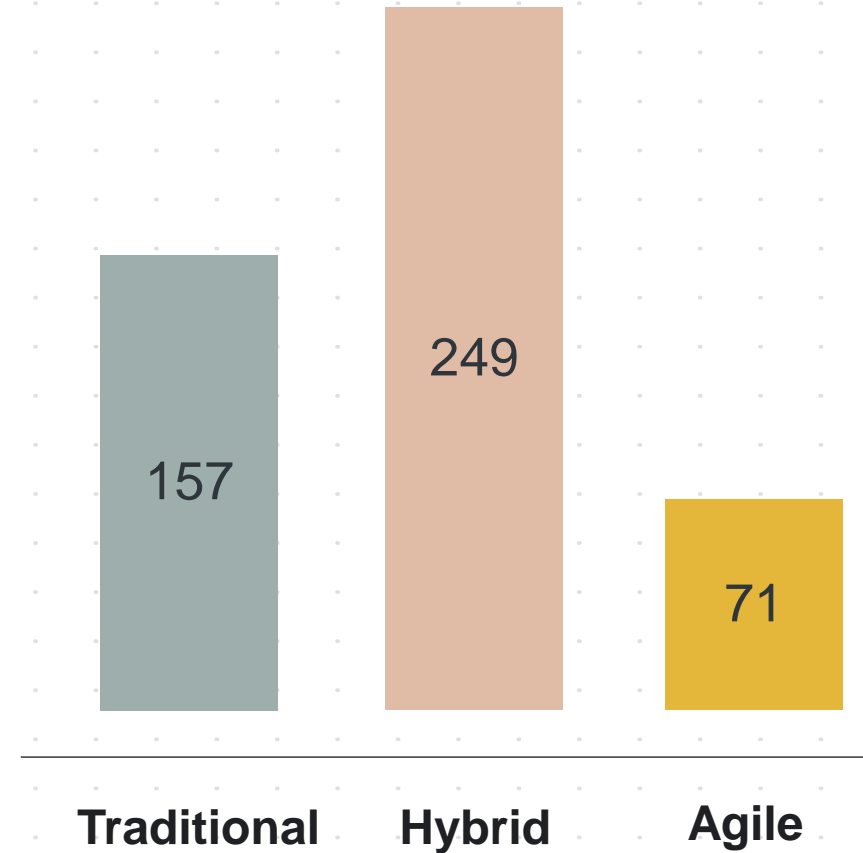
HYBRID AGILE IS HERE TO STAY

Project Management Journal 2020

- Study of 477 cross industry projects
- Andrew Gemino, Blaize Horner Reich, and Pedro M. Serrador

Key findings

- Hybrid is the most widespread method
- Agile outperforms Traditional in terms of stakeholder success
- More surprisingly, Hybrid outperforms Agile in terms of stakeholder success



We believe that three principles should be at the core of all development projects



IMPACT

Focus more on impact than deliverables

All commit to end-to-end value
Frequent value demonstrations



FLOW

Keep the project (the value process) flowing at almost any cost

Cross functional teams co-located to minimise handover loss
Highly allocated (+50%) multi-skilled teams



LEADERSHIP

Leadership and decision authority as close as possible to real insights

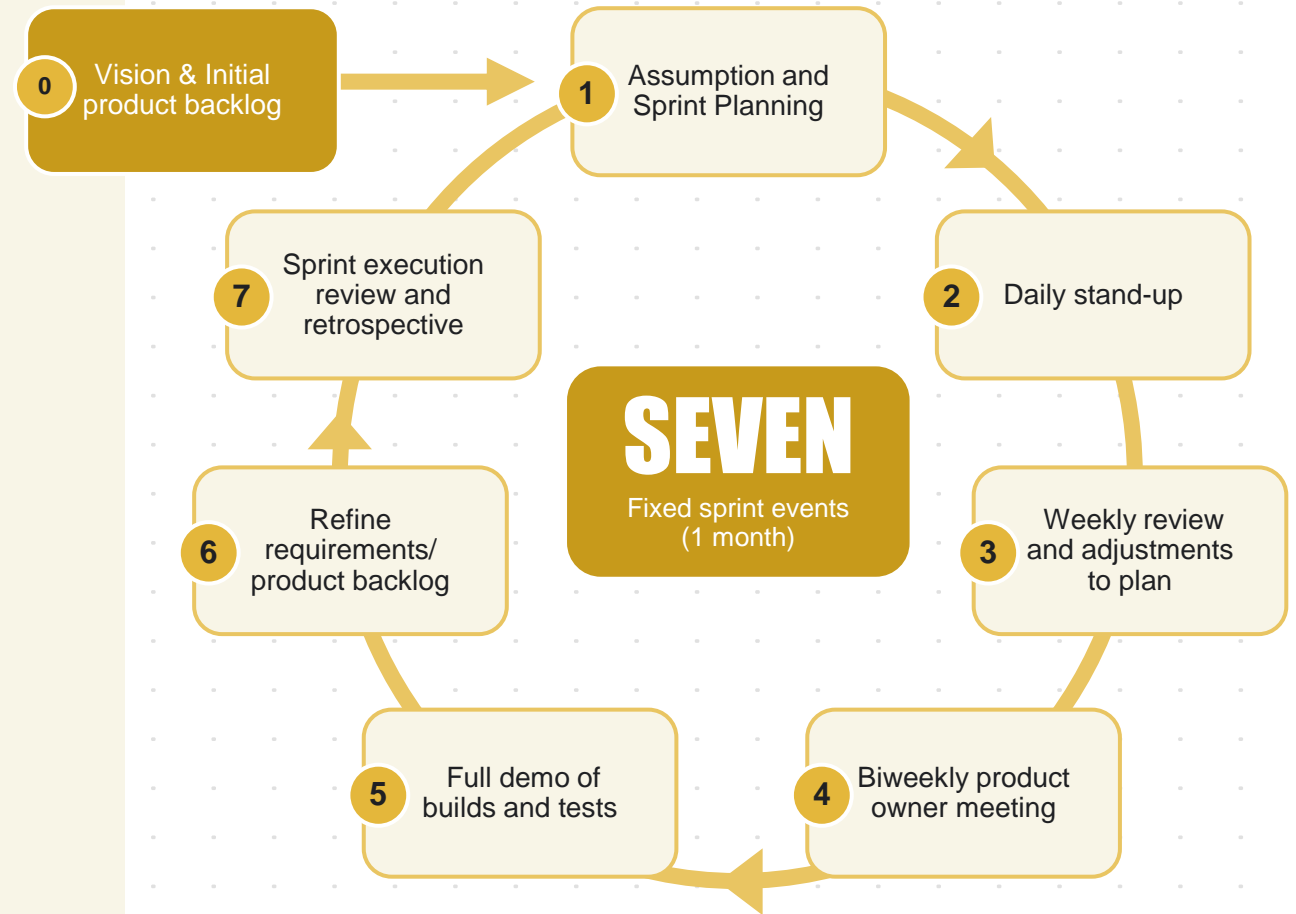
Small sponsor teams and frequent touchpoints
Facts & decisions in the open

A fixed cadence has a lot of benefits

FIXED MEETING CADENCE TO CREATE...

Joint vision, strong focus, high engagement,
speed and reduced collaboration waste.
Standard agendas help PMs/ scrum masters
grow faster in their leader roles.

flow



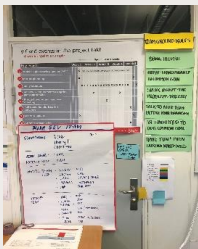
COLOCATION SETUP TO FUEL COLLABORATION

DIY: The team creates, builds and owns the room

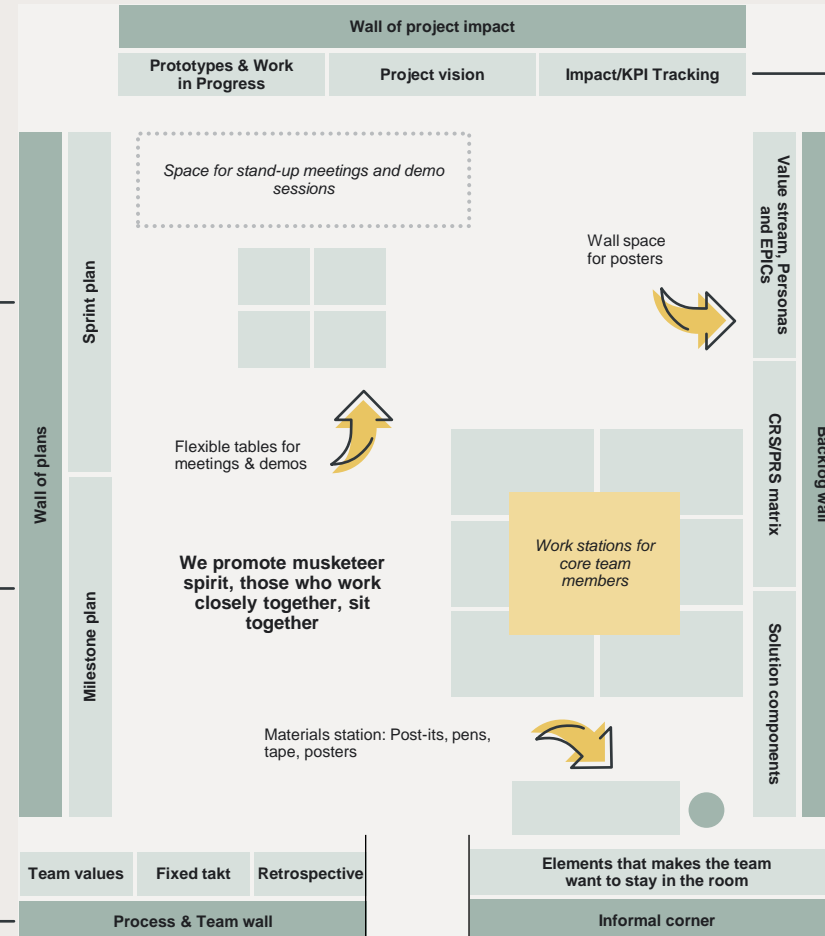


All plans are visual, printed on posters and visible at all times. Deliverables are documented and updated on post-its

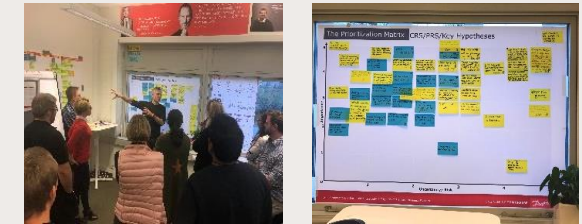
The placement and the order of the visual plans mirrors the flow in the fixed project takt.



Team rules, retrospective, the fixed takt and other process related elements are gathered in one area



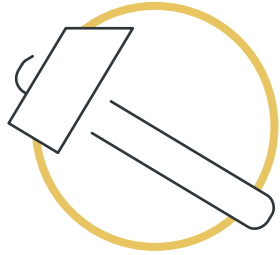
Physical solution elements are present together with the project vision and effect targets so that everyone – including external visitors – understand what this project is about at a glance



We prioritize to sit in the room – when working with project tasks *and* other tasks. Remember to include elements that create the wish to spend time in the project room, such as a coffee machine, candy and team pictures



Some joint operating principles are needed to guarantee high performance in the project team



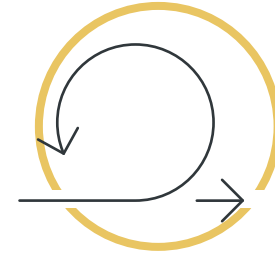
Build & demo each sprint

At the end of each sprint, we present physical solution elements to simulate the value chain to key stakeholders



Prioritise Co-location

We prioritise to show up and work from the project room to enable faster decision making and better collaboration



Get fast insights from the real world

We interact with our customers, establish fast learning loops and work iteratively to maximise product value to our customers



Just do it!

We have the knowledge and autonomy within the team to ACT



Stick to the takt

We never depart from the 7 fixed events

**... But
It is quite a big
continuous effort to
really achieve this.**

DANGER!



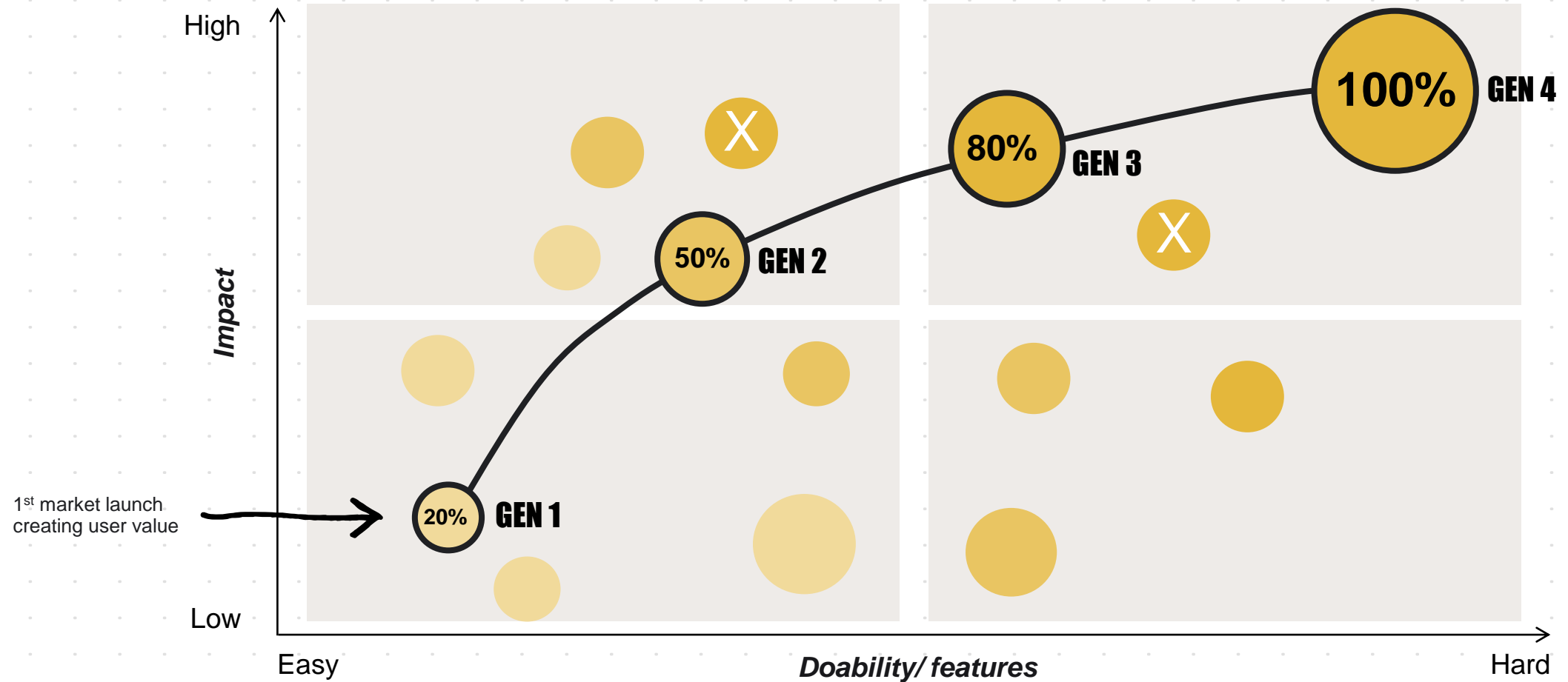
**Great engagement
& efficient development
of products,
that nobody wants.**

MISSING LINK

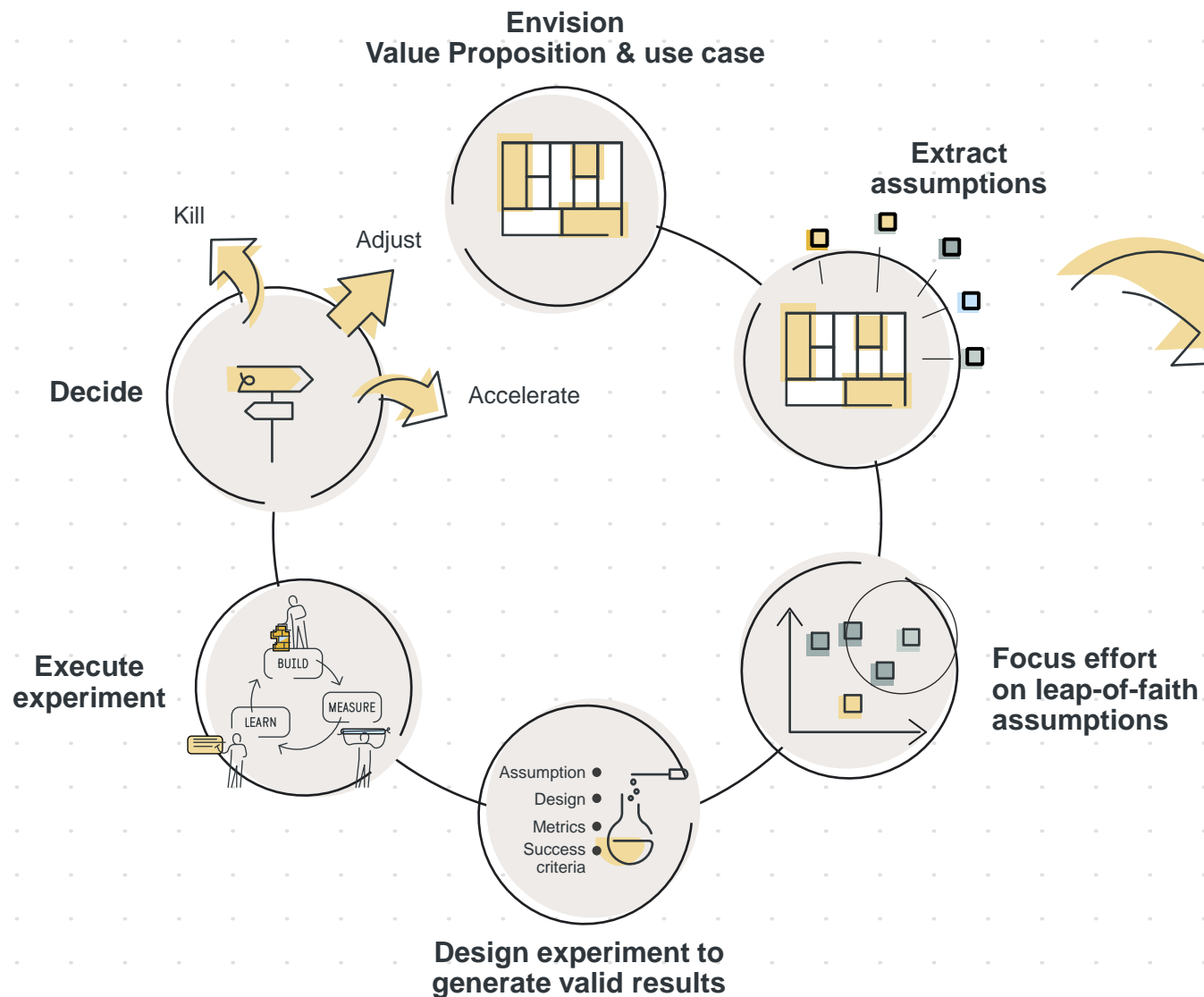


**Methods & mindset to
validate & de-risk investment**

Generate the “end-game vision”, the paths towards it, and then get moving on the first version

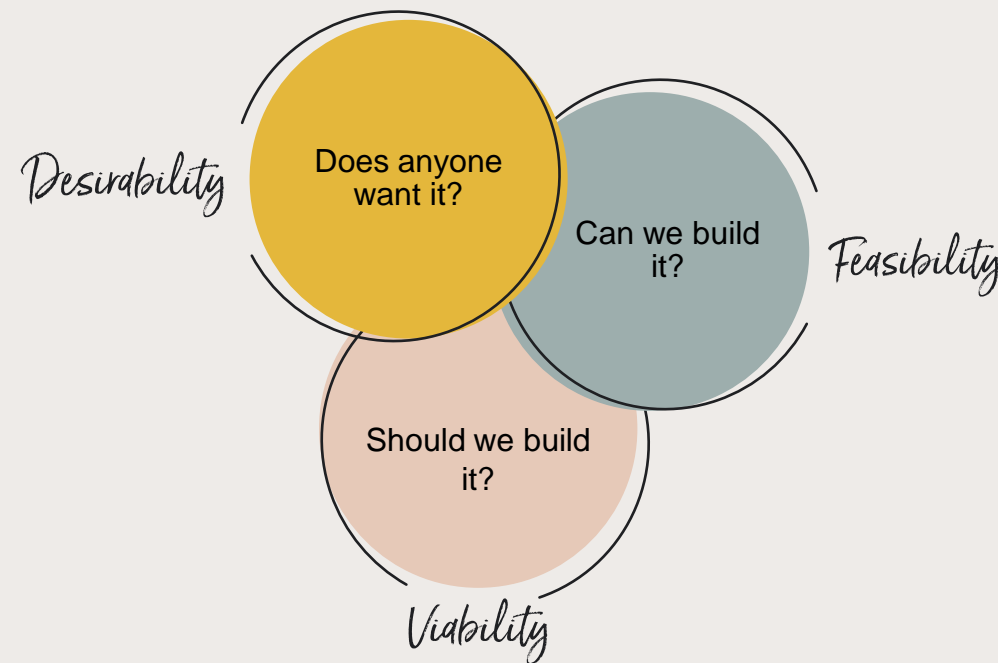


New solutions are uncertain by design, therefore validation process must be firm to not lose orientation - or money



Assumptions based process

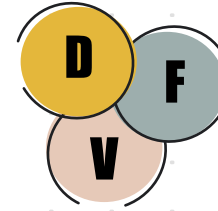
Traditional forms of development apply to little rigor to “Desirability validation” – often building solutions that work, but creates too little value for the users



A change from “entitlement” funding to “metered” funding is often needed

If we say YES, we say YES to

- The specific contract for next timebox
- Target metrics & deliverables
- Investment: People, services & equipment
- Further exploring the vision & path towards it



Metered funding for next timebox only.

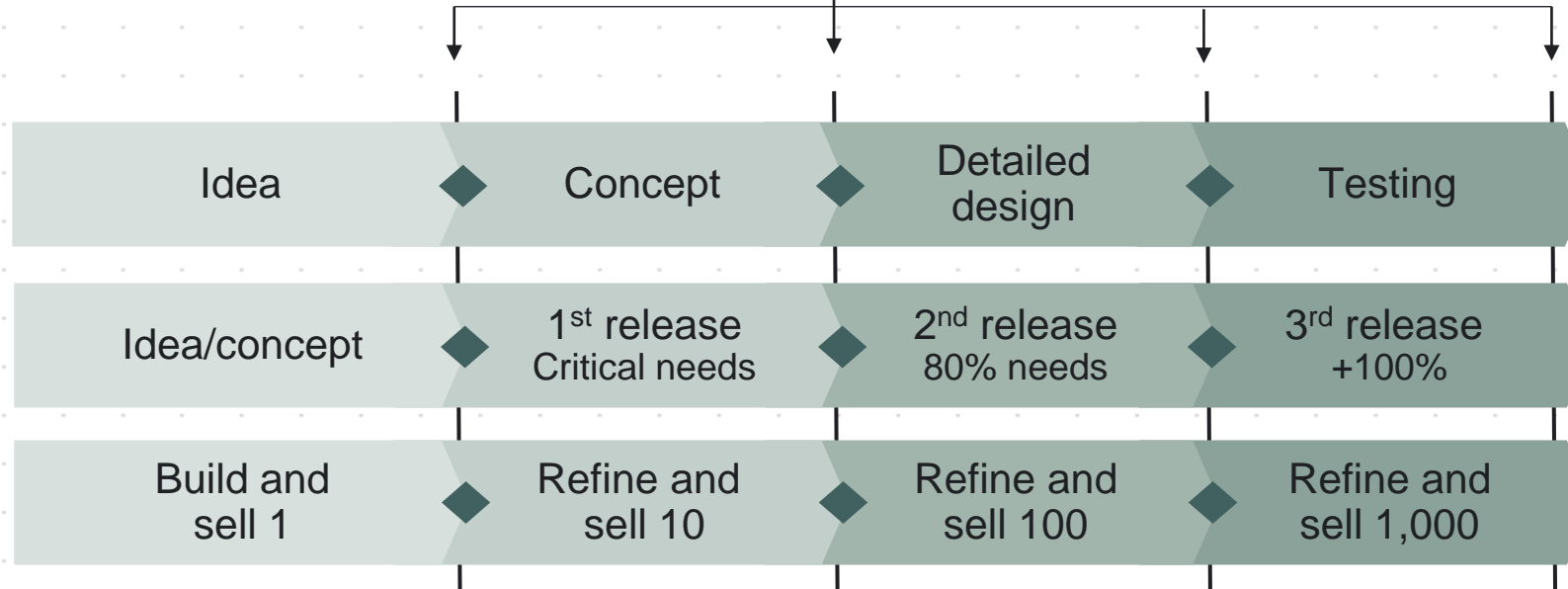
And only if positive and real-world validation of

- Desirability, Feasibility & Viability

Low uncertainty



High uncertainty



Vision

Great people before great ideas – cause the team must take a lot of “beating” & keep driving hard - with a smile on their face



Curiosity
& knowledge
about user
& system
friction

Freedom &
accountability
to move fast

Courage and
passion to
think big and
beyond

End-2-end
& cross-
functional
mindset

Hard working
& structured

Business
mindset &
investment
thinking

THINK OF YOUR “OBJECTS”: UNIT/ AREA OR CHOSEN PROJECT

Where to you see the biggest improvement potential?

- MVP Roadmap with steppingstones
- Validation loop – Desirability, Feasibility & Viability
- Metered funding based on real evidence
- High performance teams





IM

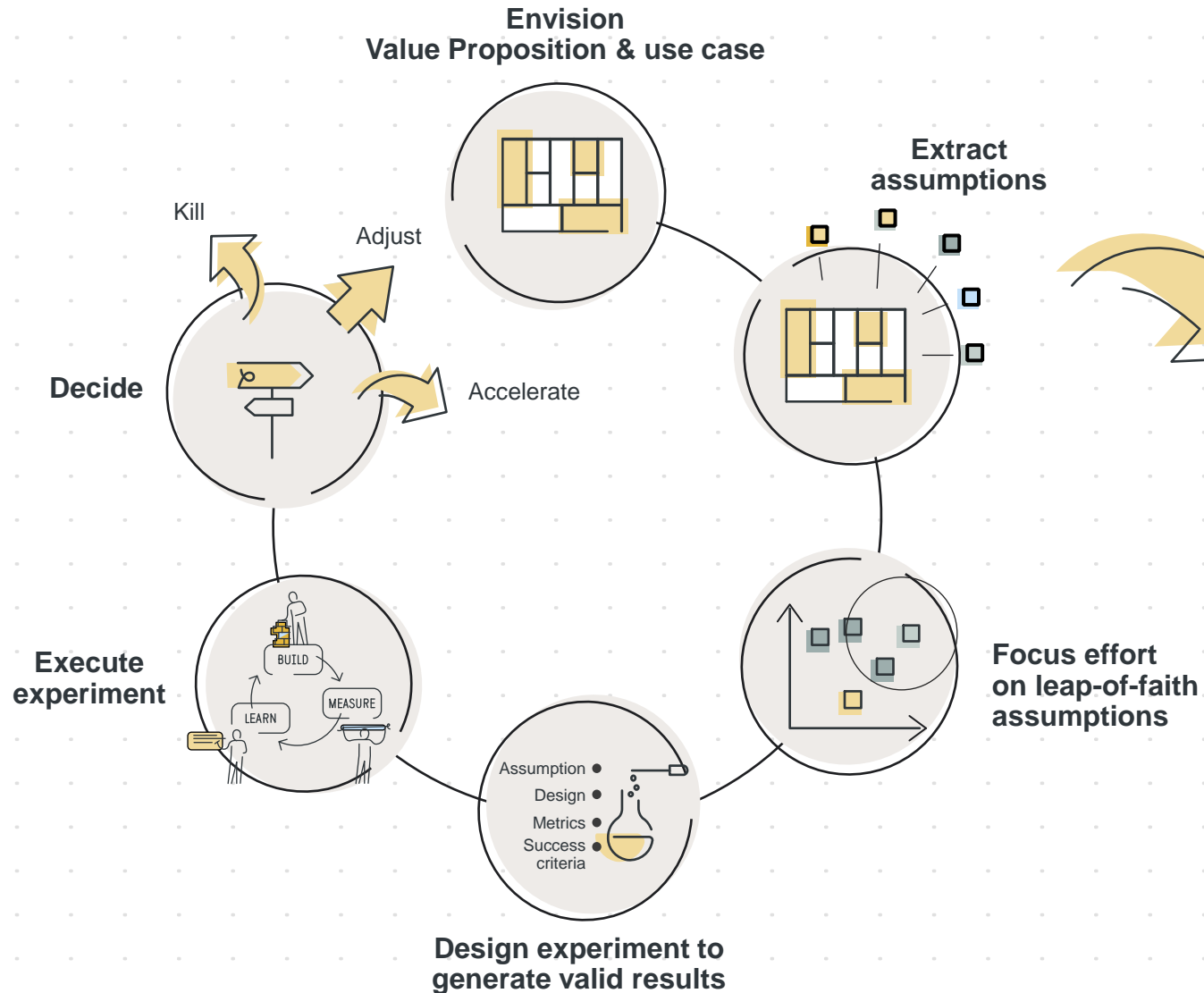
BREAK

DE-RISKING #2

Assumption based testing

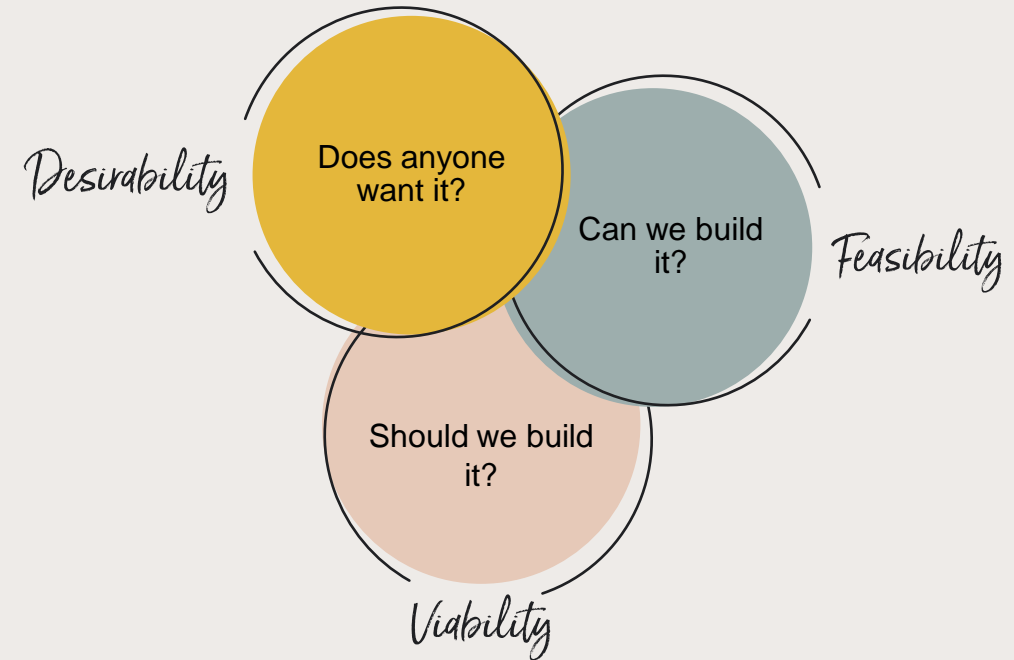
(The science of experimentation)

New solutions are uncertain by design, therefore validation process must be firm to not lose orientation - or money

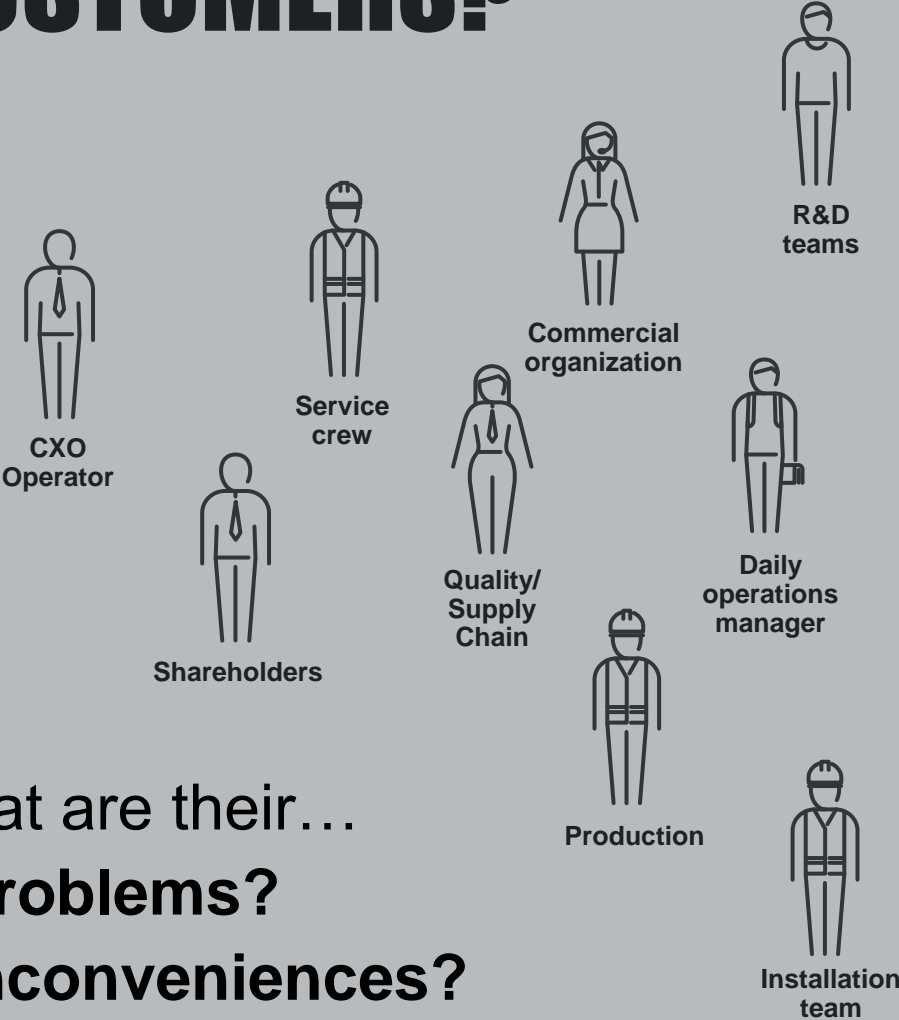


Assumptions based process

Traditional forms of development apply to little rigor to “Desirability validation” – often building solutions that work, but creates too little value for the users



WHO ARE YOUR CUSTOMERS?



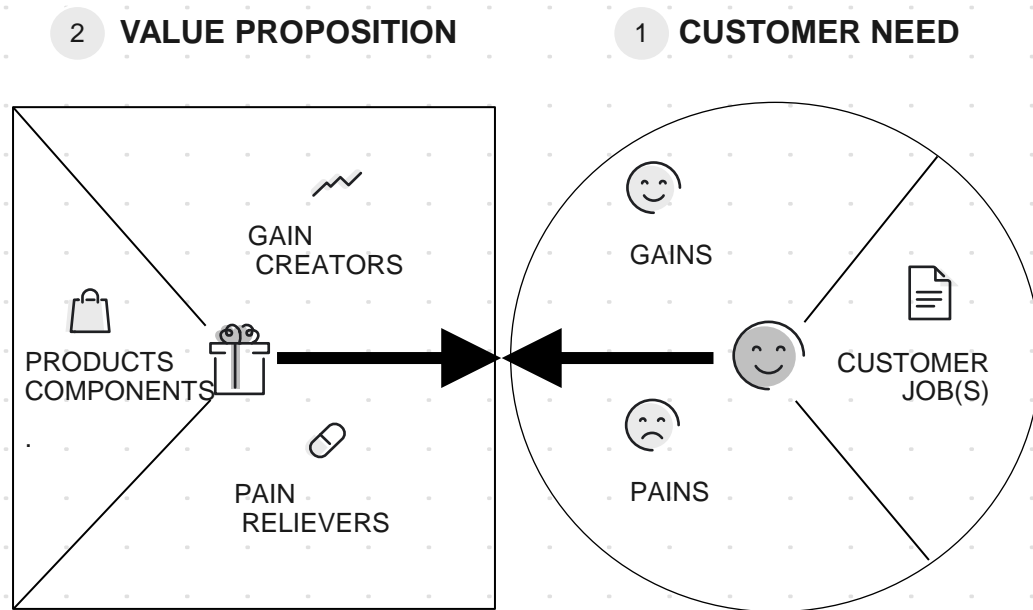
What are their...

- Problems?
- Inconveniences?
- Unrealized potential?

AND WHAT IS THEIR CURRENT EXPERIENCE?

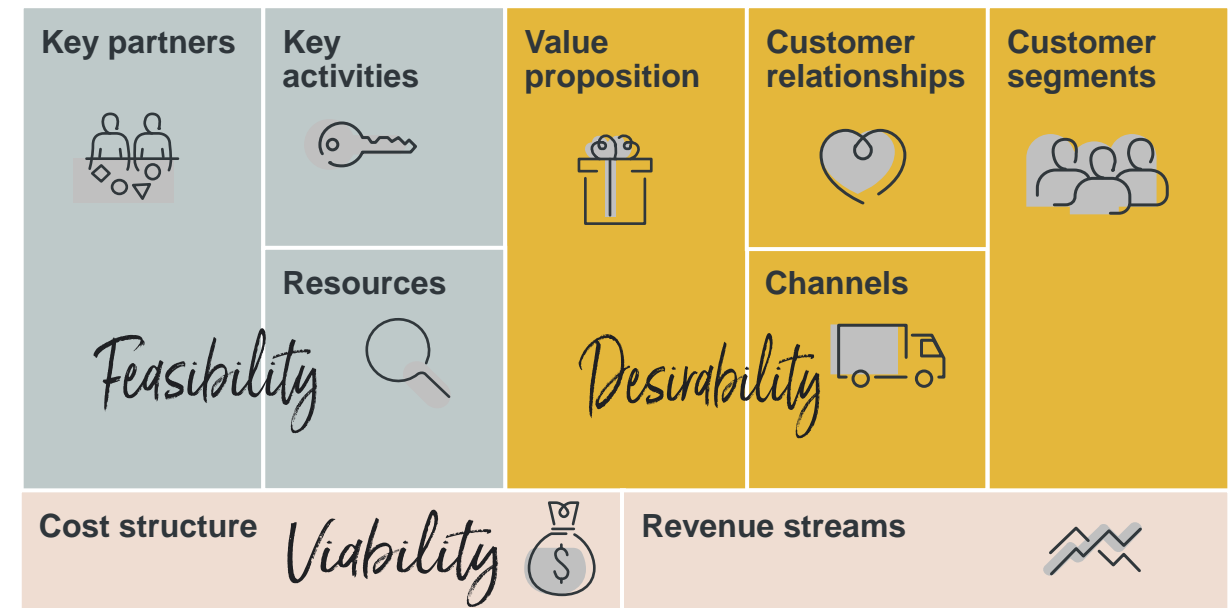
Journey step	Identify need	Consider options	Evaluate products	Buy product	Install	Operate
Job 2 be done						
Pains						
Gains						
Ideas						

Use the value proposition canvas to illustrate problem solution fit

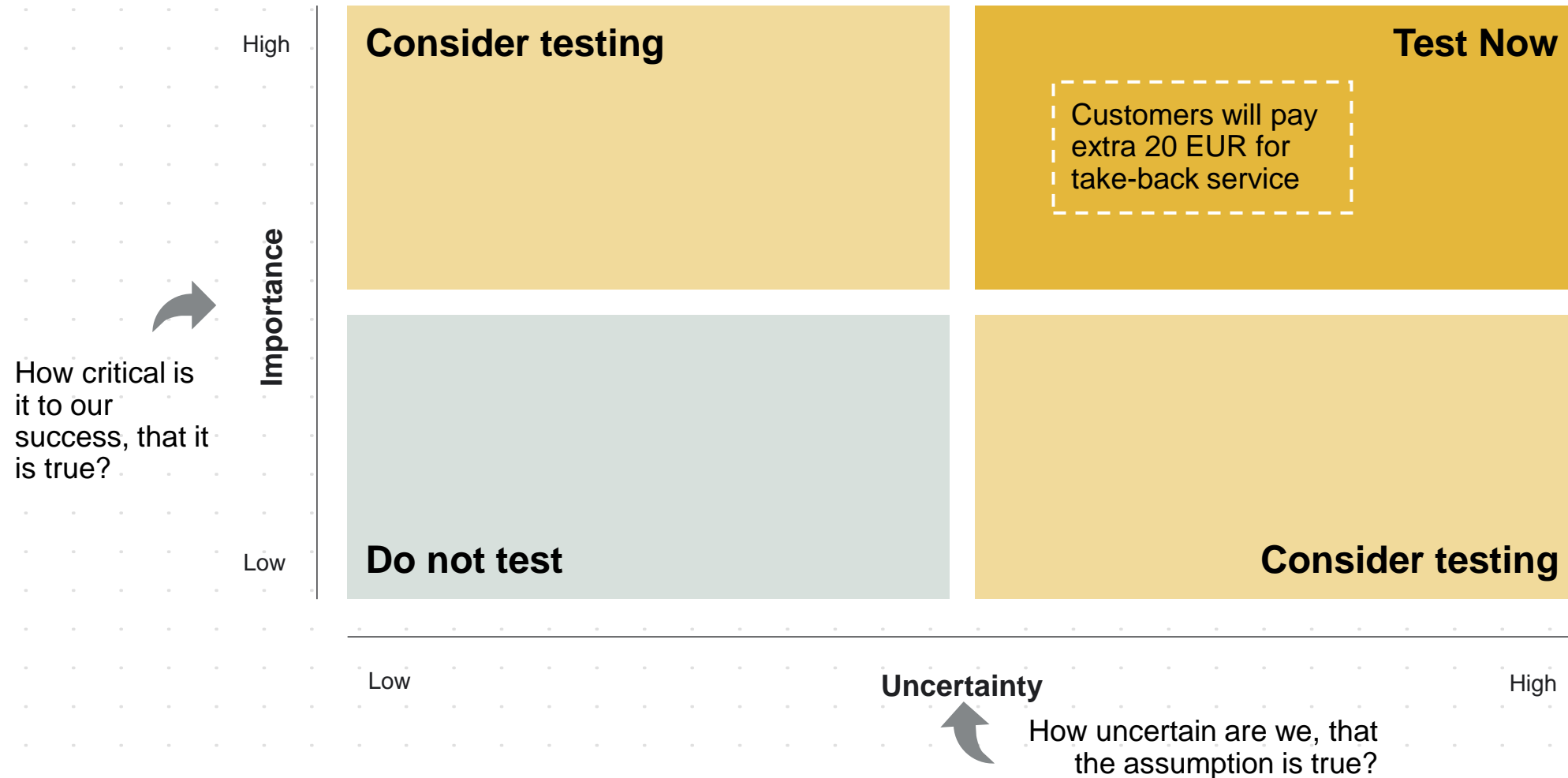


But a product is a small business, so **generate assumption** with the BMC

Generate assumptions for each quadrant in the BMC by asking "What needs to be true about X for this to be a great business?"



Map assumptions in 2 by 2 – start testing in the hot end



BAD TESTING

Making a survey asking people how often they go to their dentist – to assess if the market is big enough for a new “dentist chain”

Asking a skilled technician at our customers whether they would be interested if we develop this new product

Real decisions requires real evidence

Examples of perspectives to consider when designing tests

example

Weak Evidence	Strong(er) Evidence
OPINIONS (BELIEF) When people say things like “I would...,” “I think _____ is important,” “I believe...,” or “I like...”	FACTS (EVENTS) When people say things like “Last week I _____,” “In that situation I usually _____,” or “I spent _____ on.”
WHAT PEOPLE SAY What people say in an interview or survey is not necessarily what they do in real life or will do in the future.	WHAT PEOPLE DO Observable behaviour is generally a good predictor of how people act and what people might do in the future.
LAB SETTINGS When people are aware that you are testing something, they may behave differently than in a real world setting.	REAL WORLD SETTINGS The most reliable predictor of future behaviour is observing people when they are not aware they are being tested.
SMALL INVESTMENT Signing up to a newsletter is a small investment and relatively weak evidence of interest.	LARGE INVESTMENTS Pre-purchasing a product or putting one’s professional reputation on the line is an important investment and strong evidence of real interest.

ESTABLISH STRUCTURE & SUCCESS CRITERIA TO STEER TESTING

TEST

Date:
Responsible:

The following needs to be true...

Clearly state the assumption you want to test

To verify that we will...

Clearly describe the test design – imagine you're filming it

We are right if...

Clearly state what you need to see in order to validate the assumption

LEARNING

What we observed was...

Clearly describe the outcome of your test

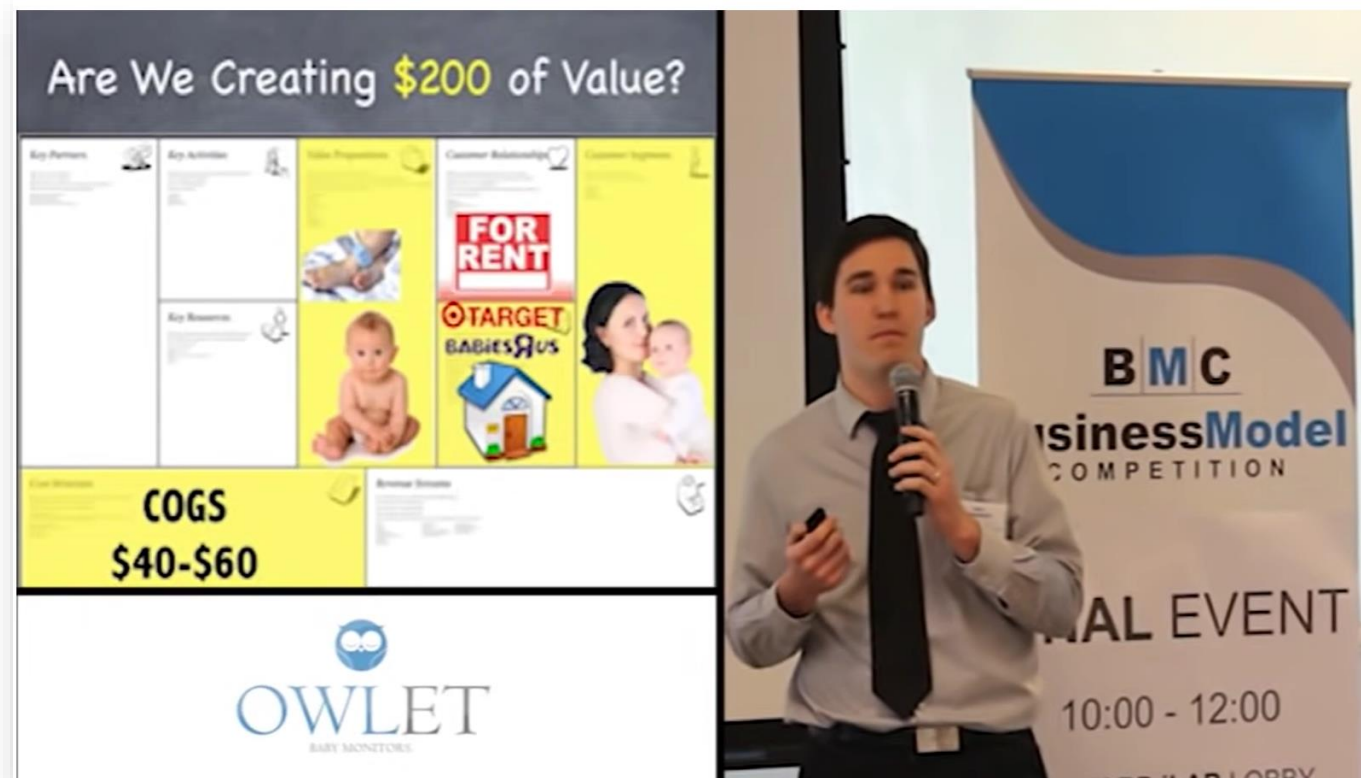
Based on this result, we recommend...

Clearly describe what you learned and what actions you need to take next



CHEAP TESTING VIA BUSINESS MODEL CANVAS

10 min, or first 5 min



THINK OF YOUR “OBJECTS”: UNIT/ AREA OR CHOSEN PROJECT

- Which methods/ ideas discussed today could generate further value?
- What other thoughts & ideas did today's discussion trigger?





DEAR ME

BY END OF MAY 2023...

Challenges in my unit/ key projects that I addressed:

How I did it & whom I talked to:

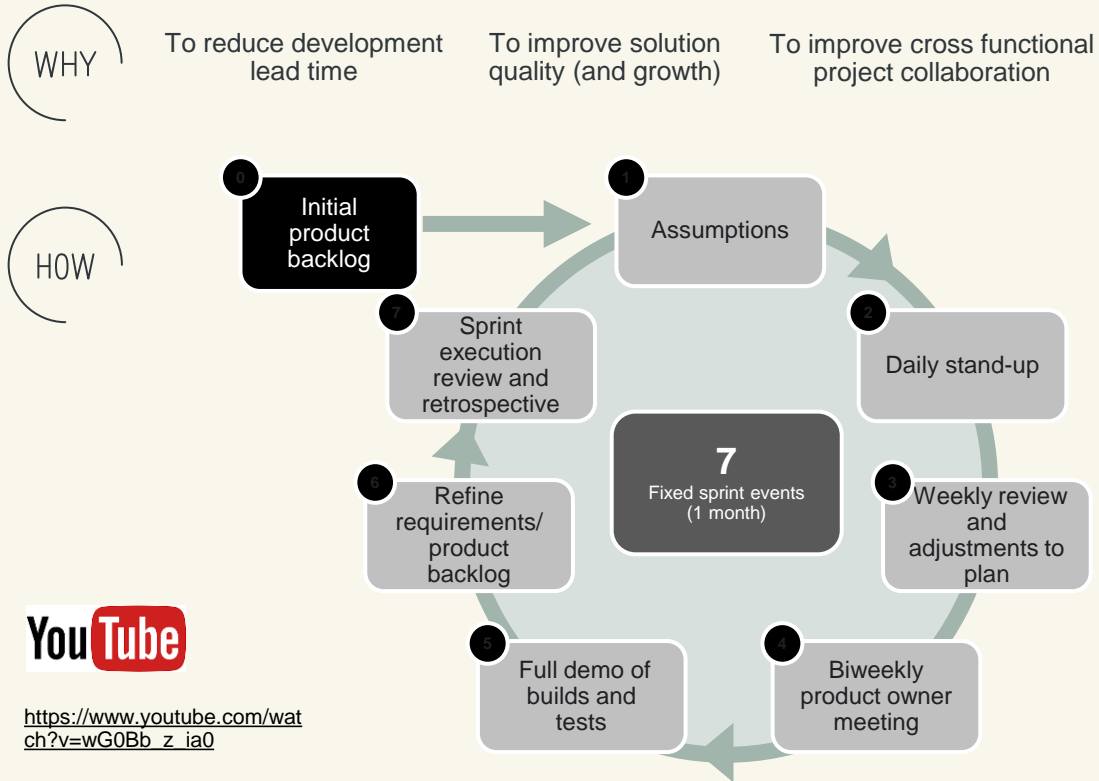
What specifically did I do to help teams learn faster:

Other things I decided to do:

2 examples of companies doing Hybrid Agile with integrated assumptions based testing



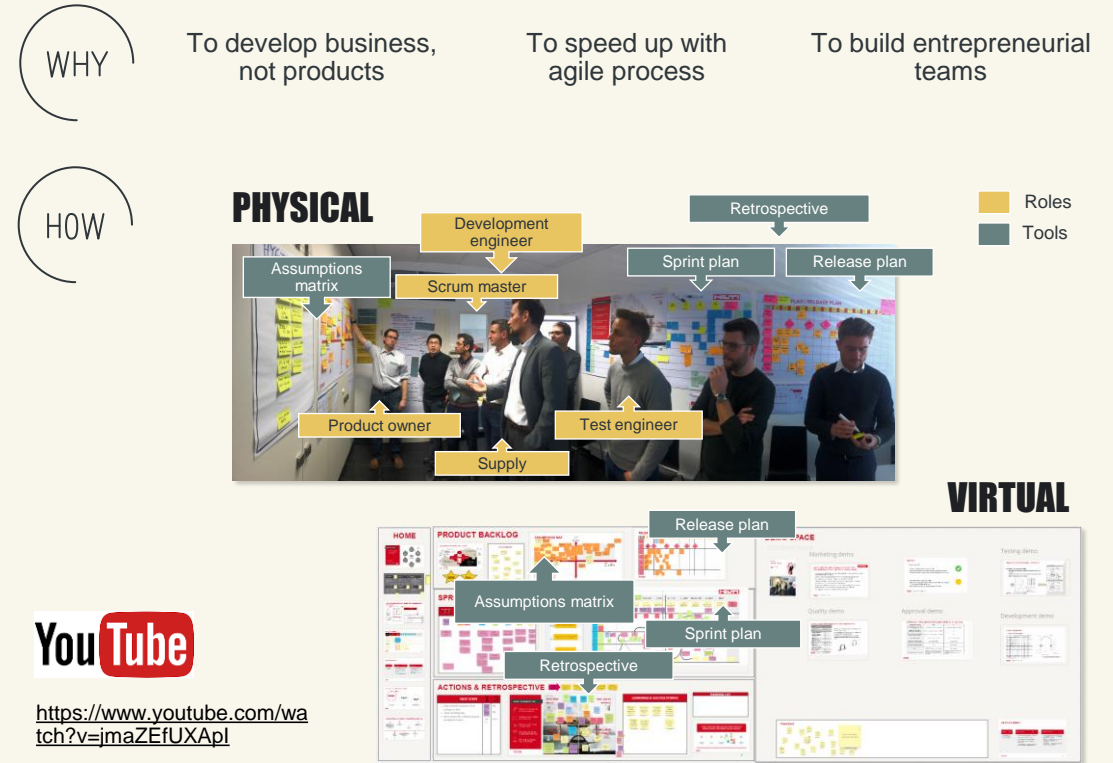
PRODUCT DEVELOPMENT GOES AGILE



IMPACT → Lead time reduced 50% across the portfolio through faster focus on 'what matters' and MVP training



HYBRID AGILE – PD&I



IMPACT → Reaching the drawing, design and BOM freeze in half the time – while increasing engagement pulse by 30%



**DON'T DEVELOP
PRODUCTS**

**DEVELOP
BUSINESS**