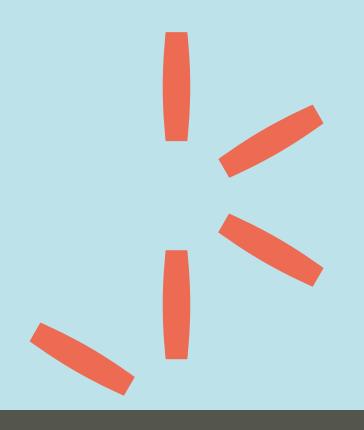
## Digitaal Transformeren

16 december 2024HeerenveenRon Rijkers



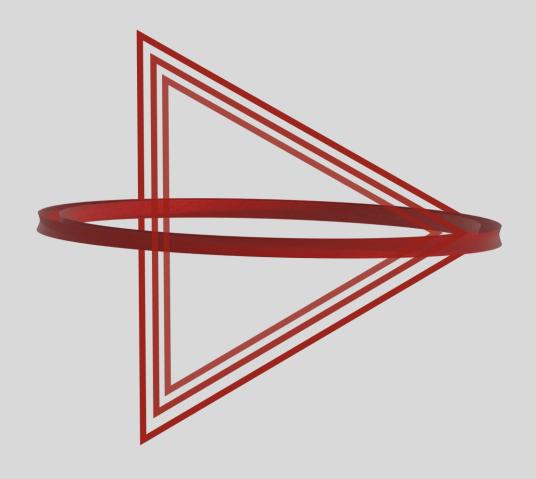










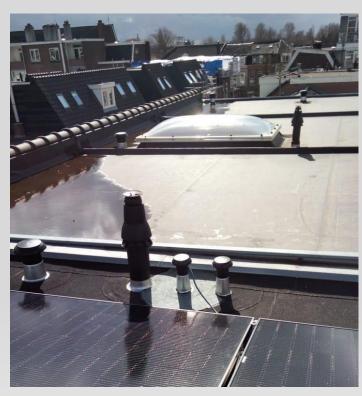


## Chapter 1

Introduction

Solar energy



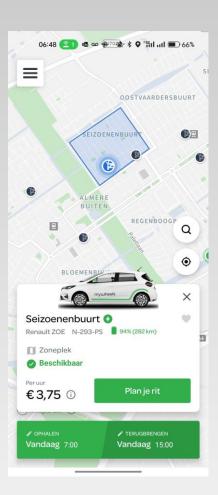


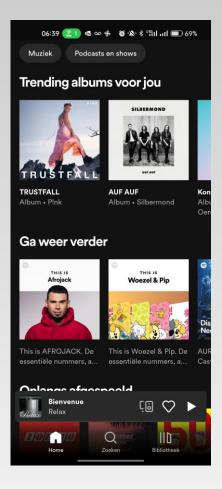




#### On demand & Pay per use

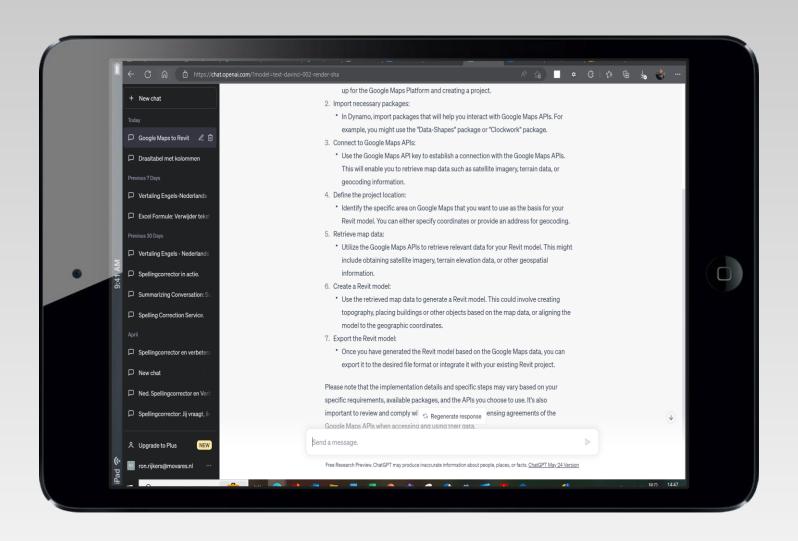






Vacuum cleaner robot

#### **Artificial Intelligence (AI)**

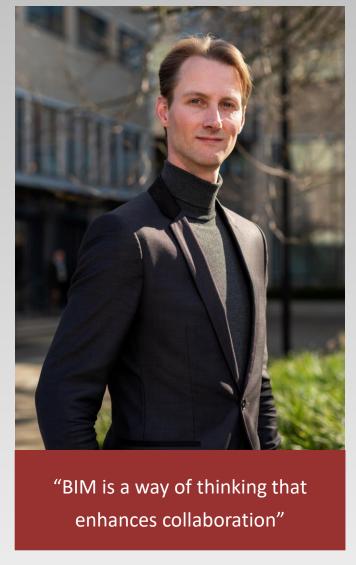


# "So why is digitization so different within existing companies?"

#### **Experience & Scope**

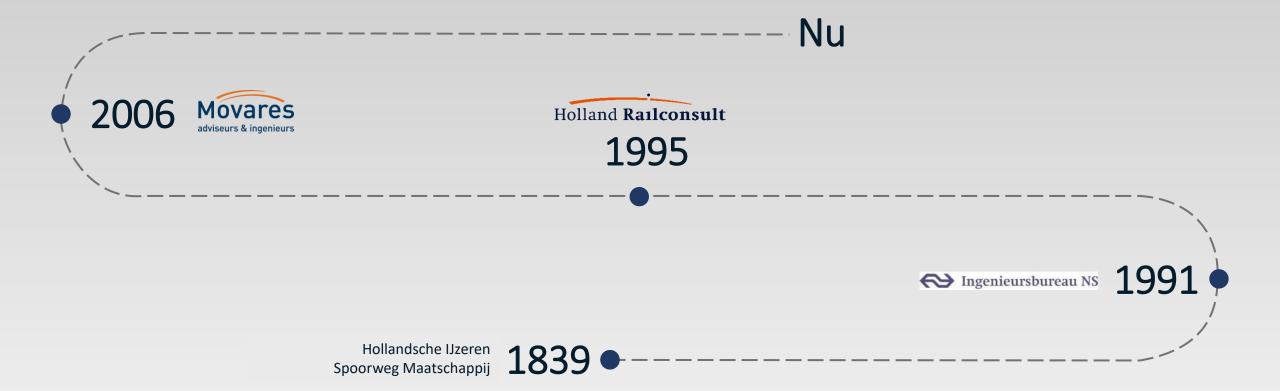
- Bachelor of Built Environment Architecture & Engineering
- Retail engineering & construction modular, prefab and supply chain integration
- Management for: 3D engineering, 3D interior design, 3D scanning, BIM consultancy
- Innovation management: Process optimization and Automation
- MBA (change)Management (Cum Laude)
- Movares
  - Manager Integral Building Design
  - BIM Manager BIM governance and implementation
- Ron Rijkers Management Digital transformation
- Author
- Management consultant
- Innovator





info@RRijkersManagement.com www.linkedin.com/in/ronrijkers

## Introduction Movares History







**Movares - Integral Building Design** 

#### Total engineering - 6 disciplines

- Architects
- Technical managers
- Engineering advisers
- Modelers
- E- & M- installation advisors
- Structural engineers

Complex technical / logistical buildings
Sustainable junctions of society



Movares - Integral Building Design

## Total engineering - 6 disciplines • Architects

- Technical managers
- Engineering advisers
- Modelers
- E- & M- installation advisors
- Structural engineers

Complex technical / logistical buildings
Sustainable junctions of society



### **Digital Transformation**

Software implementation



























#### **Digital Transformation**

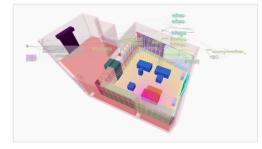
#### **Proces optimization**





#### Accelerating design when time is money

Since its founding in 1926, Stamhuis has built a reputation for quality and dependability. Based in the Netherlands, the firm specializes in retail shop construction and renovations and works closely with their clients to create custom solutions that are tailor-made to help them get the most out of their retail spaces. Stamhuis has been exploring the possibilities offered by construction software in boosting their efficiency and creating added value.



#### Script in Dynamo with the building contour and store design visually in the background. The automated design is based on the standard set variable..

#### BIM and prefabrication, the backbone of the company's success

"We know that if a store is closed and a customer goes to a different store, then they are likely to remain a customer there by the third visit," says Ron Rijkers, Team Manager for BIM and Innovation, Stamhuis. "That's why we really need to open a store within a week in order for our client to retain their

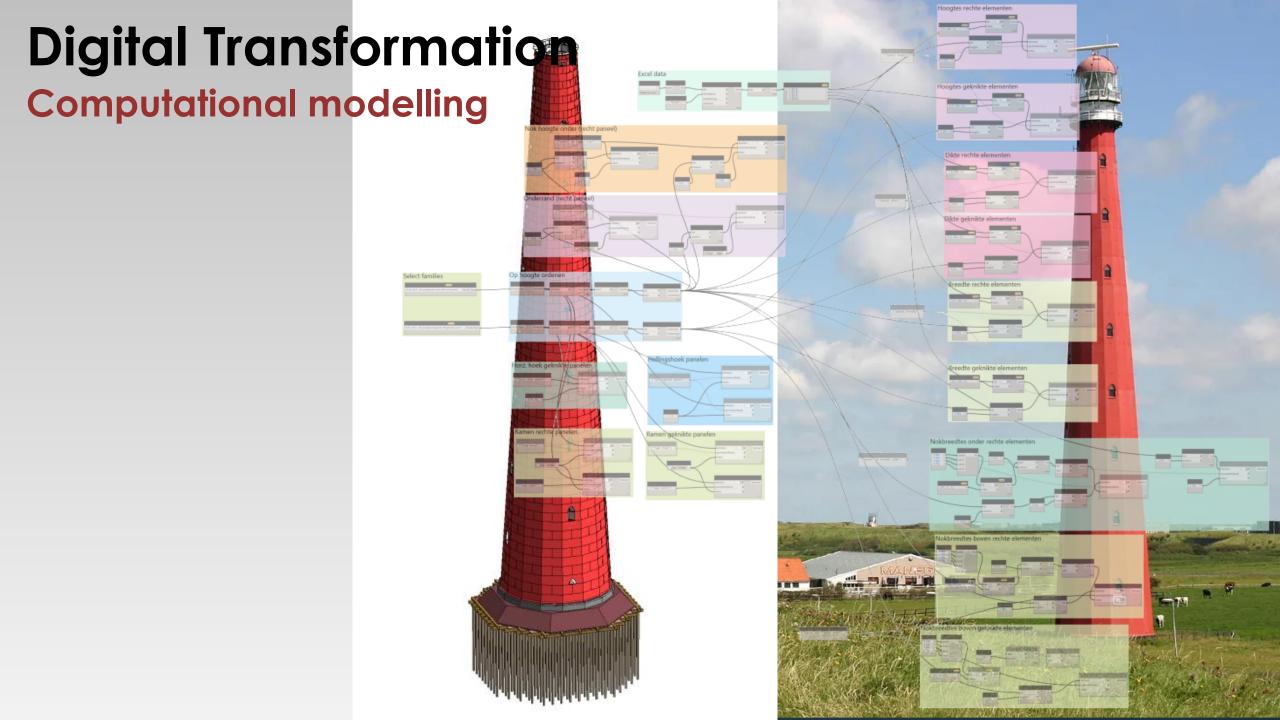
#### Stamhuis will do 60 or more projects in a year for one customer alone

With clients ranging from supermarkets to liquor and convenience stores, Stamhuis will do 60 or more projects in a year for one customer alone. The volume of work is further complicated by timing, especially for redesigns where the entire construction from start to finish must be completed in one week. Such is the reality of retail.

"We realized that if we don't start with generative design now, we would be way behind in a few years. We think generative design is the future."

-Ron Rijkers, Team Manager for BIM and Innovation, Stamhuis

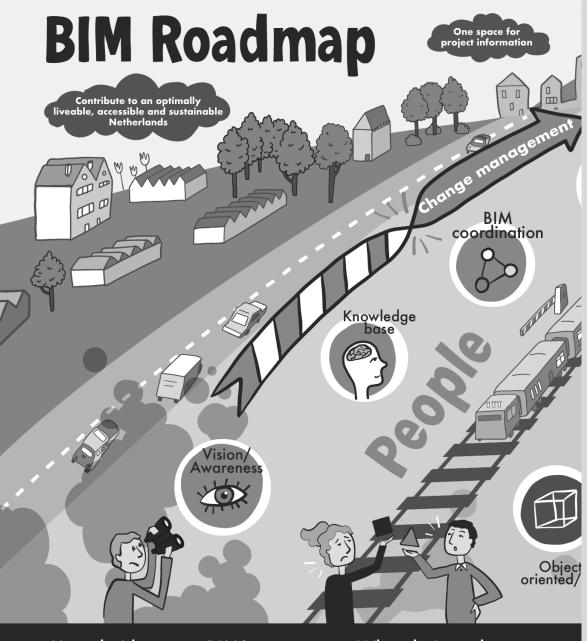
BRON: AutoDesk, Stamhuis Designs Entire Stores in Minutes with Generative Design | Autodesk

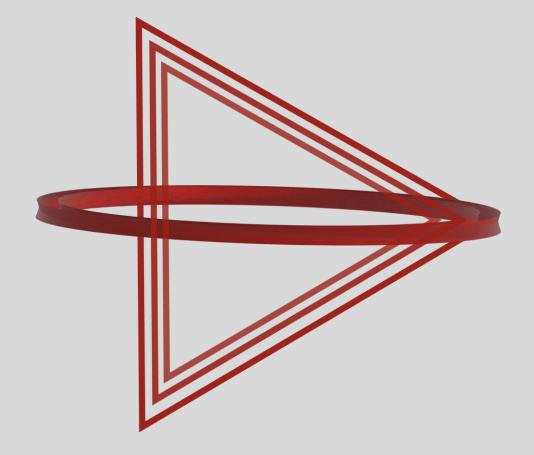


### **Digital Transformation**

**Digital Transformation Roadmap** 





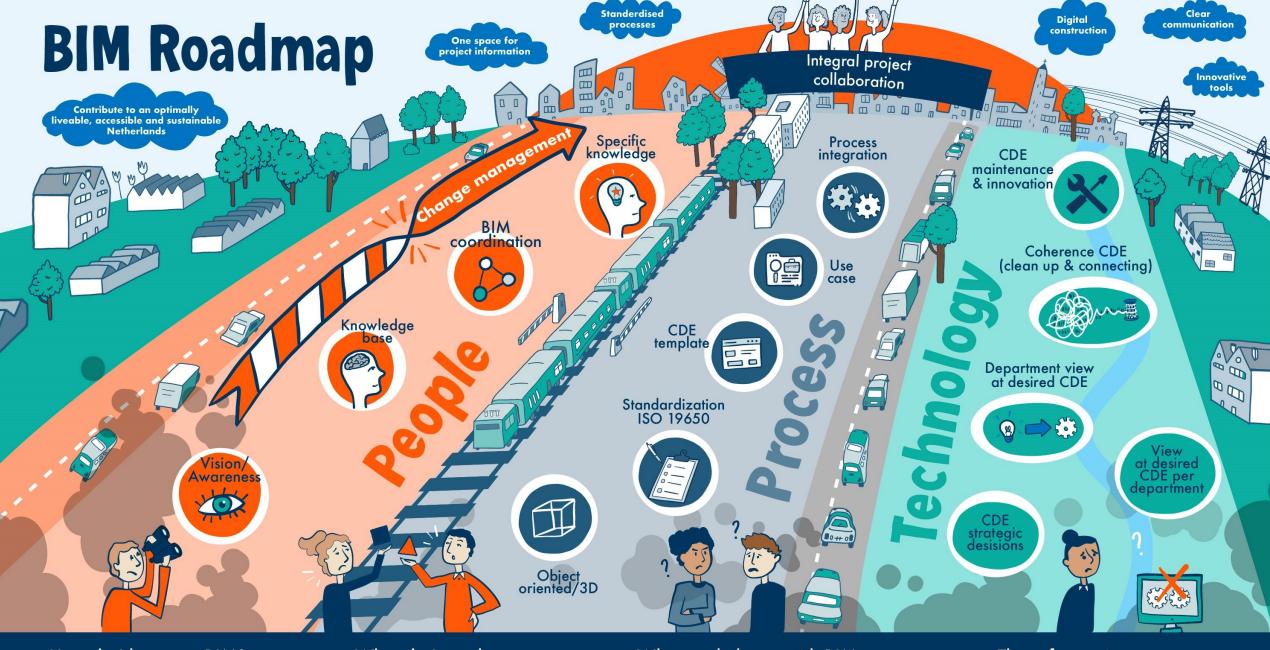


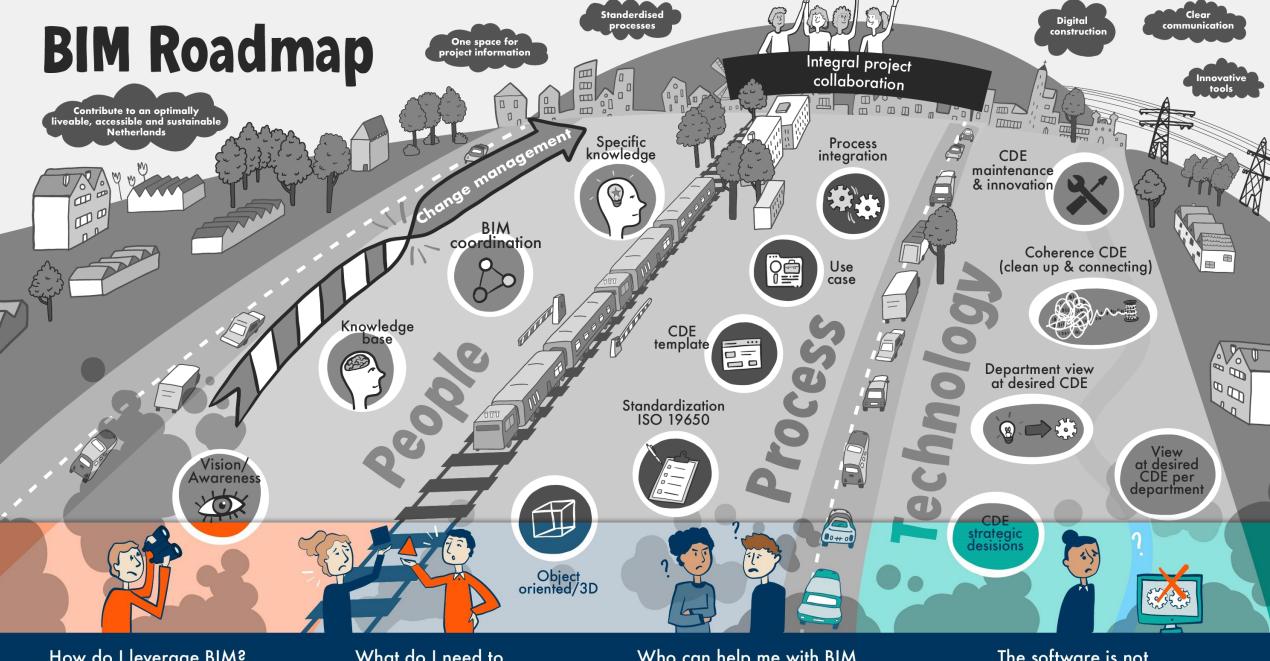
Chapter 2

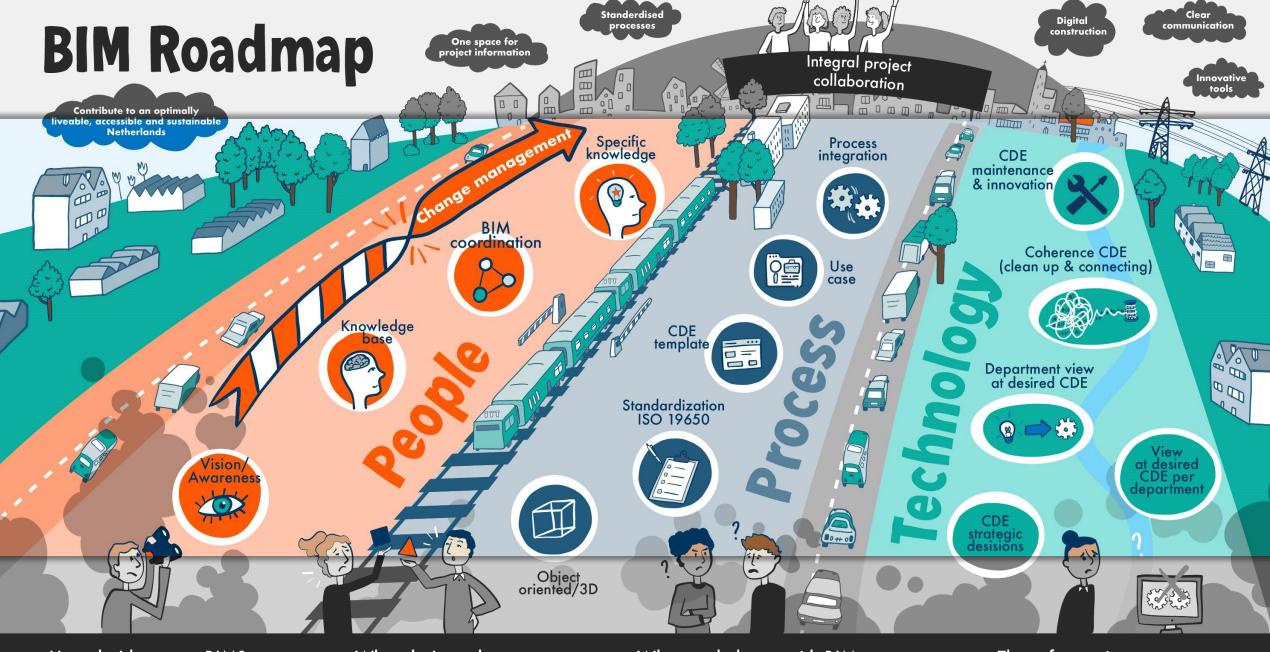
**Movares BIM Roadmap** 

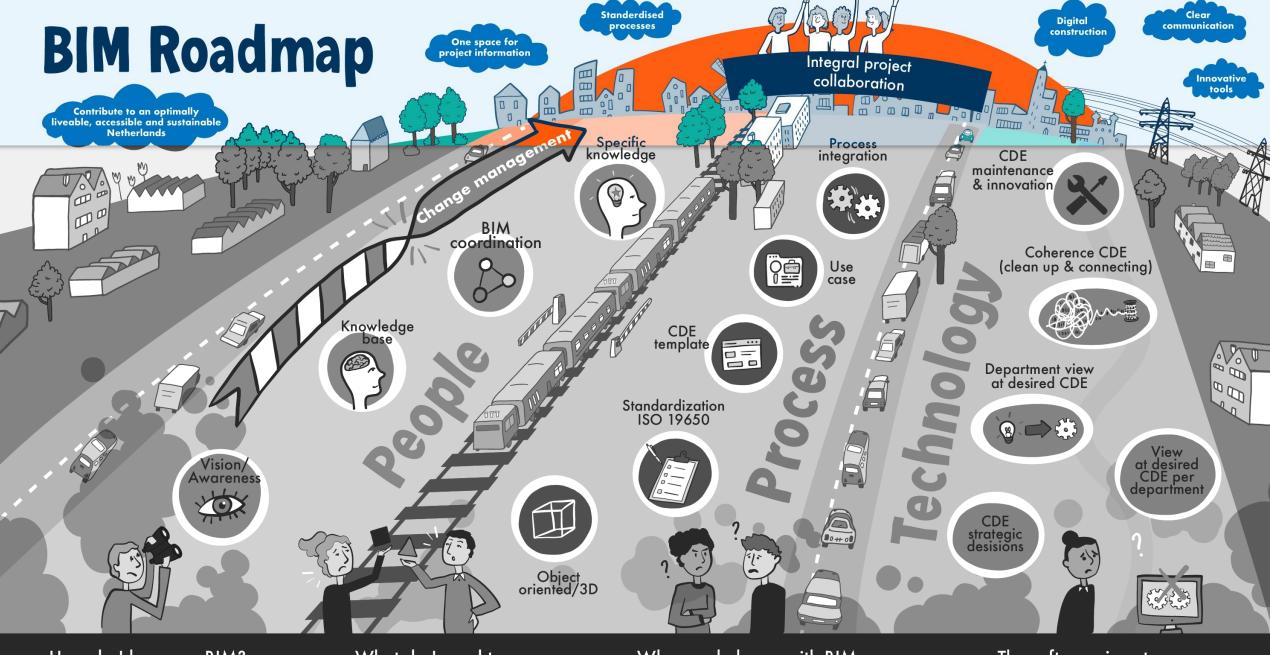
How do I leverage BIM?

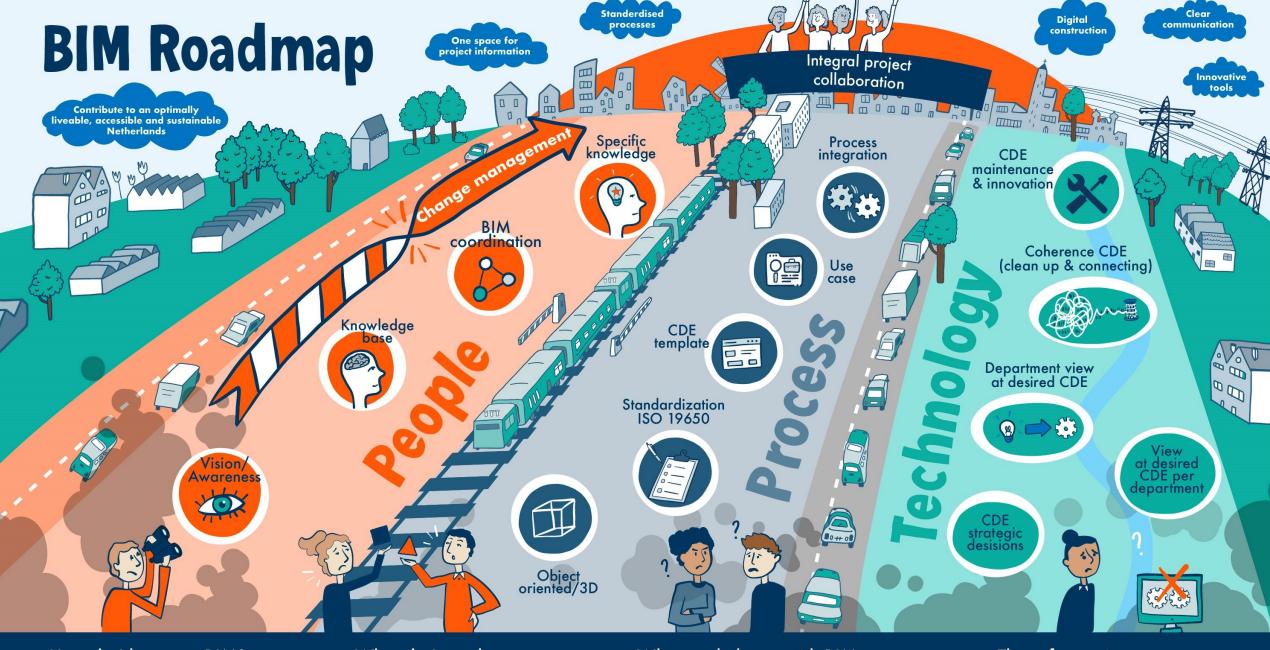
What do I need to know to practice BIM?

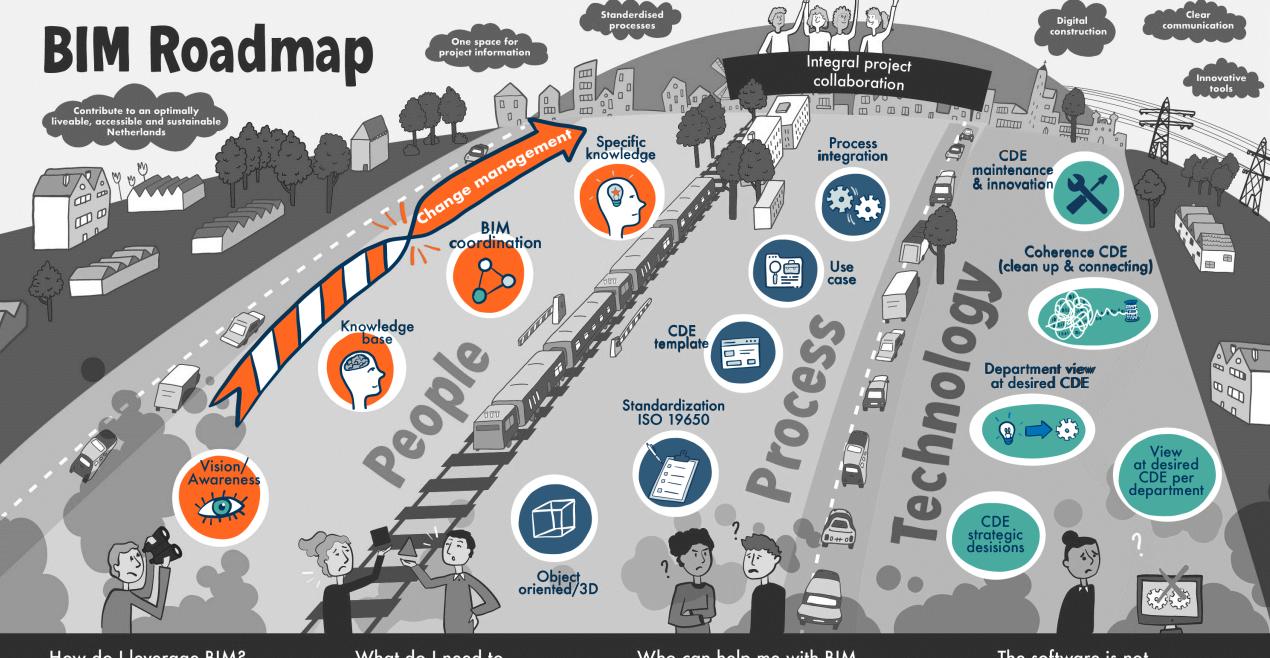








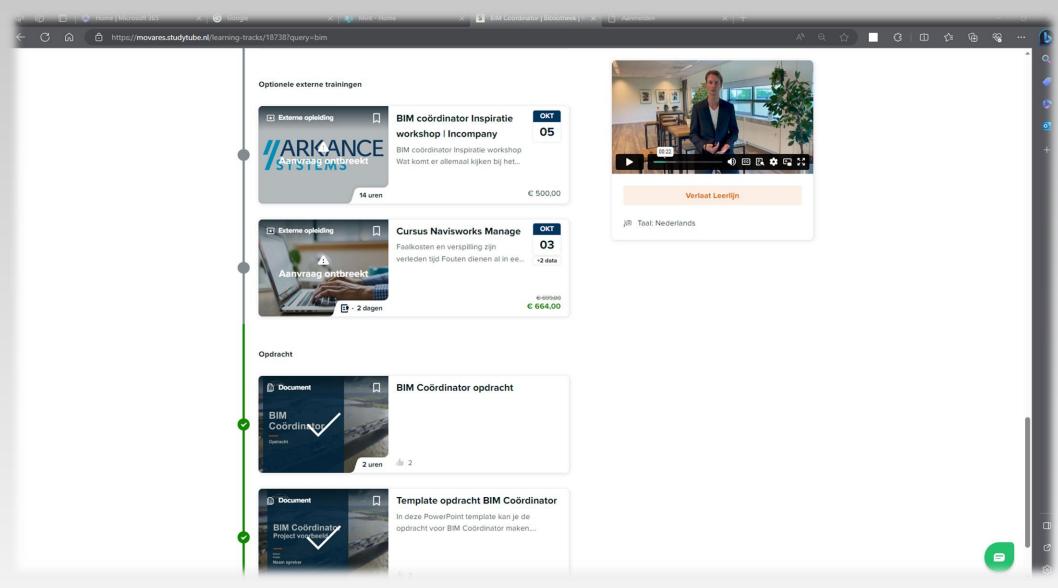


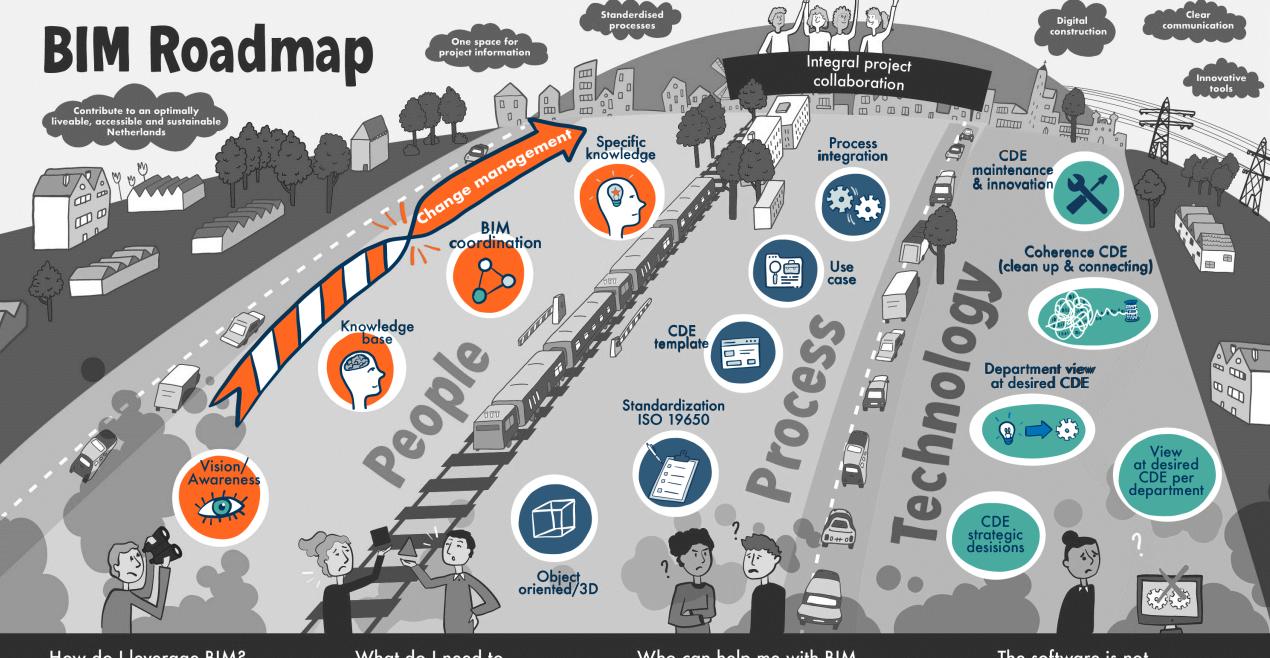


#### **BIM** knowledge









ISO19650







#### Inhoud

5.2 Bouwlaagindeling

5.6 Gebruik propertysets
5.7 Doublures en doorsnijdingen
5.8 Ruimten
5.9 Installatietechnische systemen
5.10 Dragend/niet dragend
5.11 Inwendig/uitwendig
5.12 Brandveiligheid

5.3 Correct gebruik entiteiten bij een IFC-export
 5.4 Structuur en naamgeving van objecten
 5.5 Classificatiesystematiek
 5.5.1 SBS – Systems Engineering

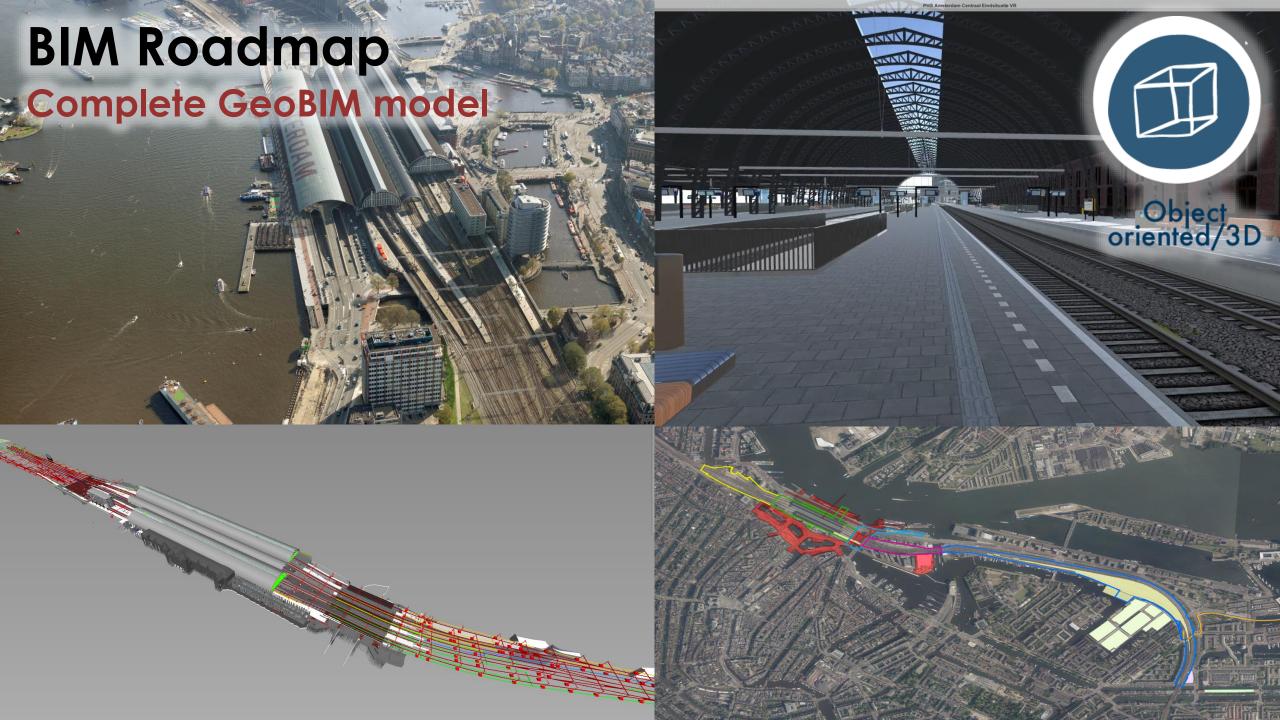
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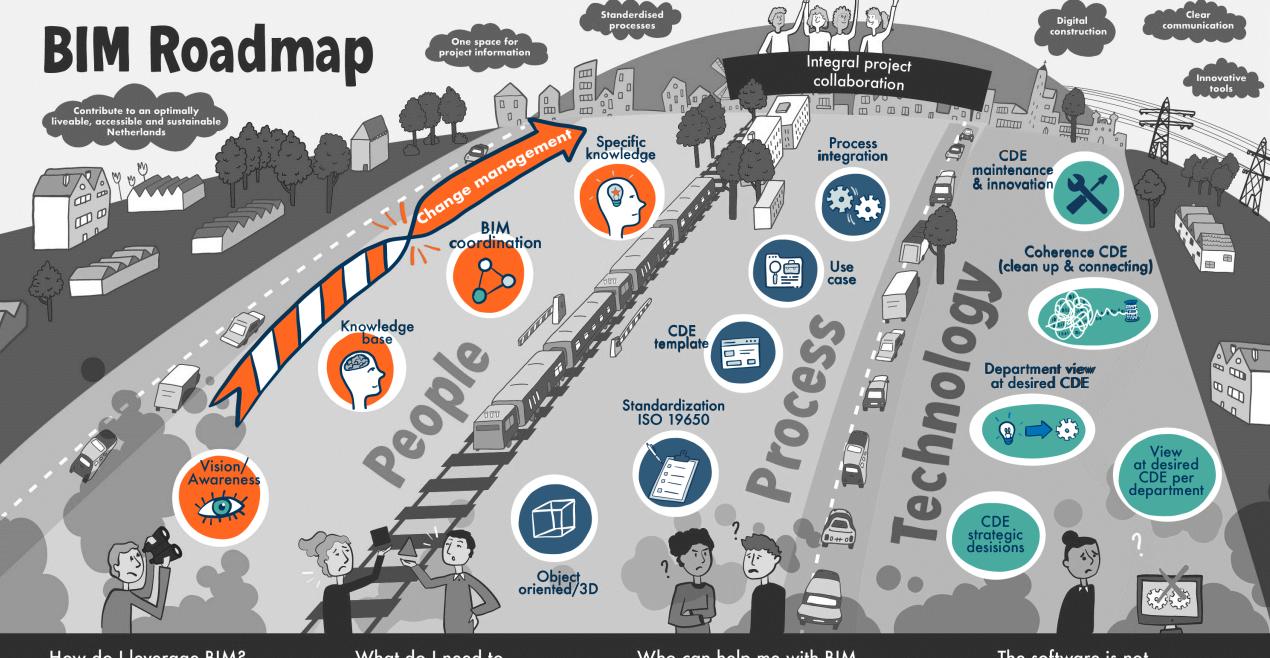
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1.2 1.3	Scope van het BIM Uitvoeringsplan Informatiemanagement Randvoonwaarden en richtlijnen opdrachtgever Overige relevante startdocumenten	3 3 3 4
	1.4.1 Ondersteunende bestanden	4
Pro	pjectgegevens	4
	Doelen en toepassingen Belangrijkste aandachtspunten en risico's	4 5
Pro	oces	5
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	3.5.1 Vrijgavestroom 3.5.2 Projectplanning (MDIP)	8
3.7	Naamgeving model Demarcatie van modellen Communicatie van issues	8 9 9
Mobilisatie		10
4.2 4.3	Capaciteit Kennis en ervaring Software/ Hardware Mobilisatileactiviteiten	10 10 10 10
	4.4.1 Planning	10
3D-	-modelafspraken	10
5.1	Lokale positie	10

Movares 1/14

<b>ĕ</b> Offertebrief			
BIM			
<b>✓</b> BIM van toepassing?			
Organization			
Client			
Organization			
Projectmanager name			
Projectmanager telephone			
Projectmanager email			







Common Data Environment (CDE



**✓ AUTODESK**Construction Cloud



One space for project information

Integral project collaboration

Contribute to an aptimally liveable, accessible and sustainable Netherlands



The Movares BIM Roadmap contains MBA change management knowledge and combines it with over a decade of digitization experience. This roadmap helps guid the process engage stakeholders to standout in digitization.

At first people were sceptical about the BIM program. Now they recognize te roadmap visual and see the progress. We created hero's and people want to join in because they see the success. It's a great way to get your human talent on board and activated.

Object oriented/3D







#### **BIM Roadmap**



### **BIM Roadmap**



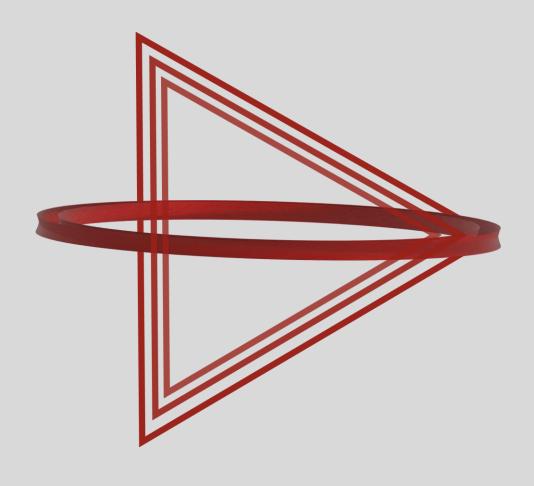




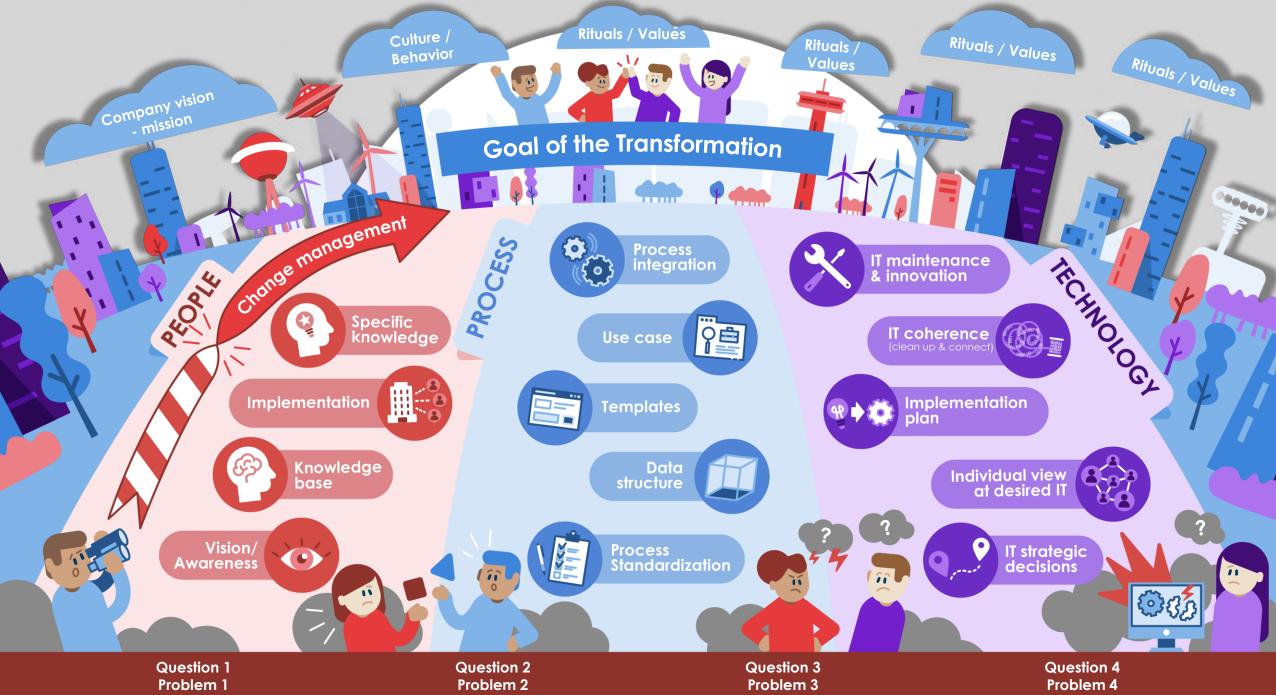
#### **BIM Roadmap**







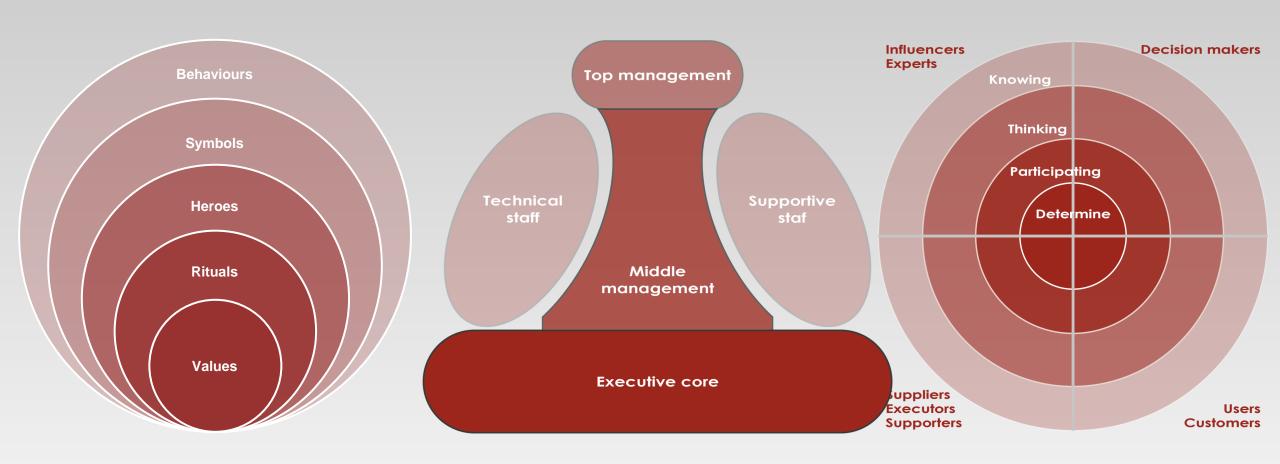
# Chapter 3



**Opportunity 2** 

**Opportunity 3** 

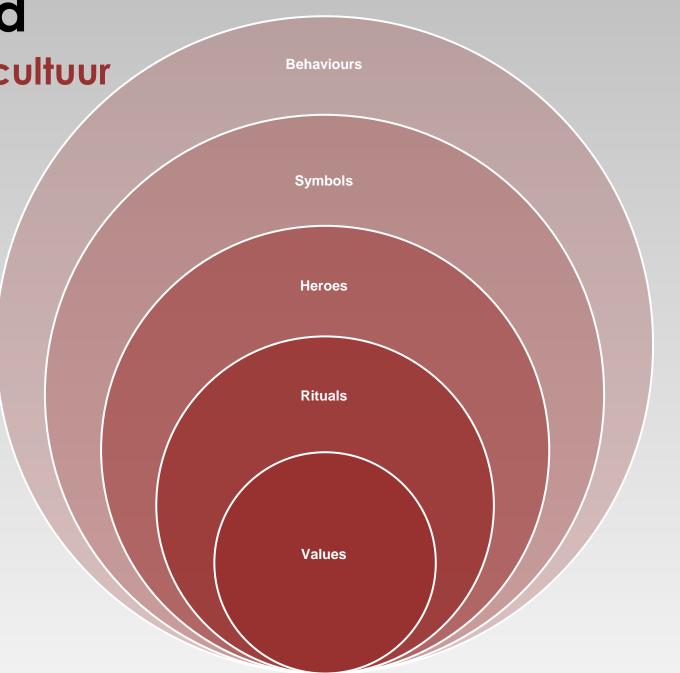
# Background Principles & models



Organizational cultuur

Geert Hofstede

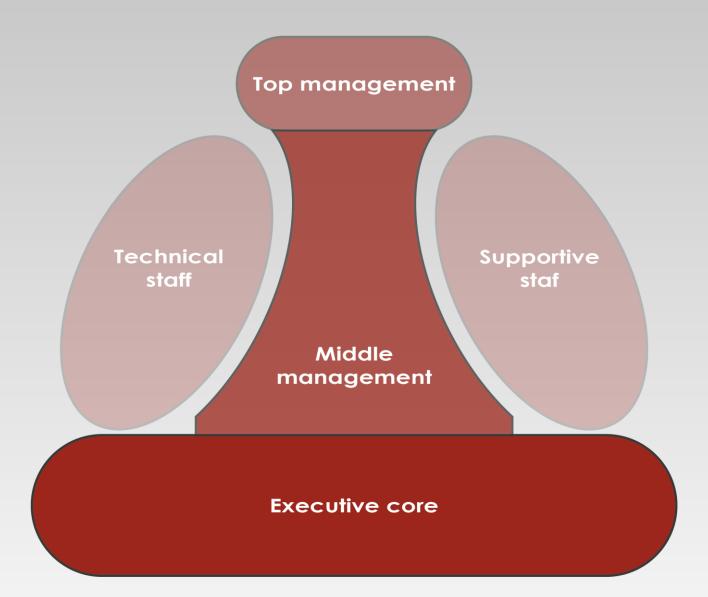
Social psychologist



#### Organizational structure & determine stakeholders

Henry Mintzberg

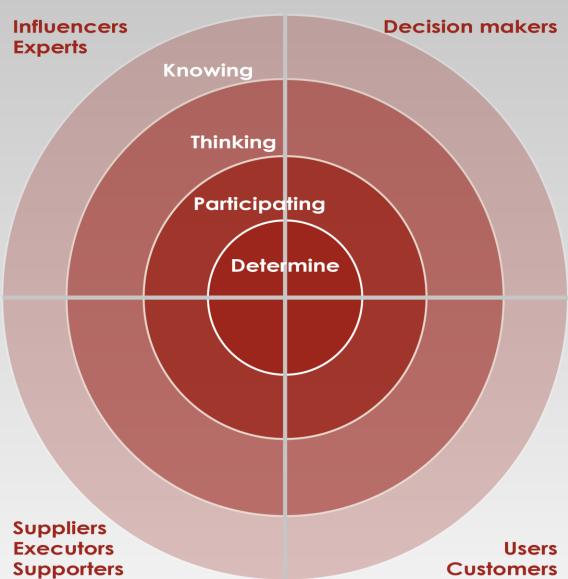
Management scientist



#### Stakeholderanalysis & communication

Stephen Covey

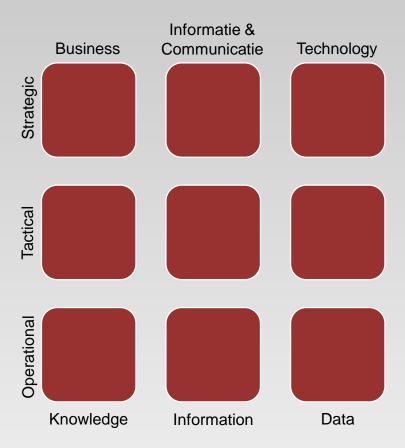
Circles of influence

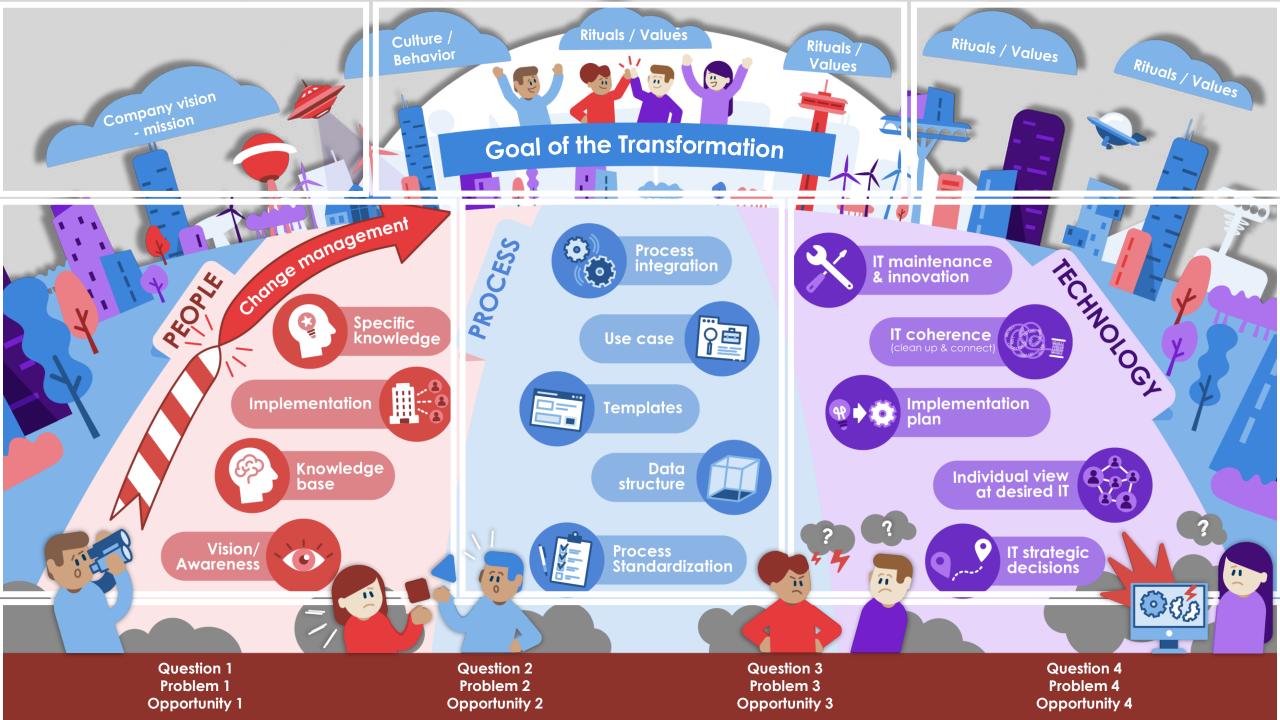


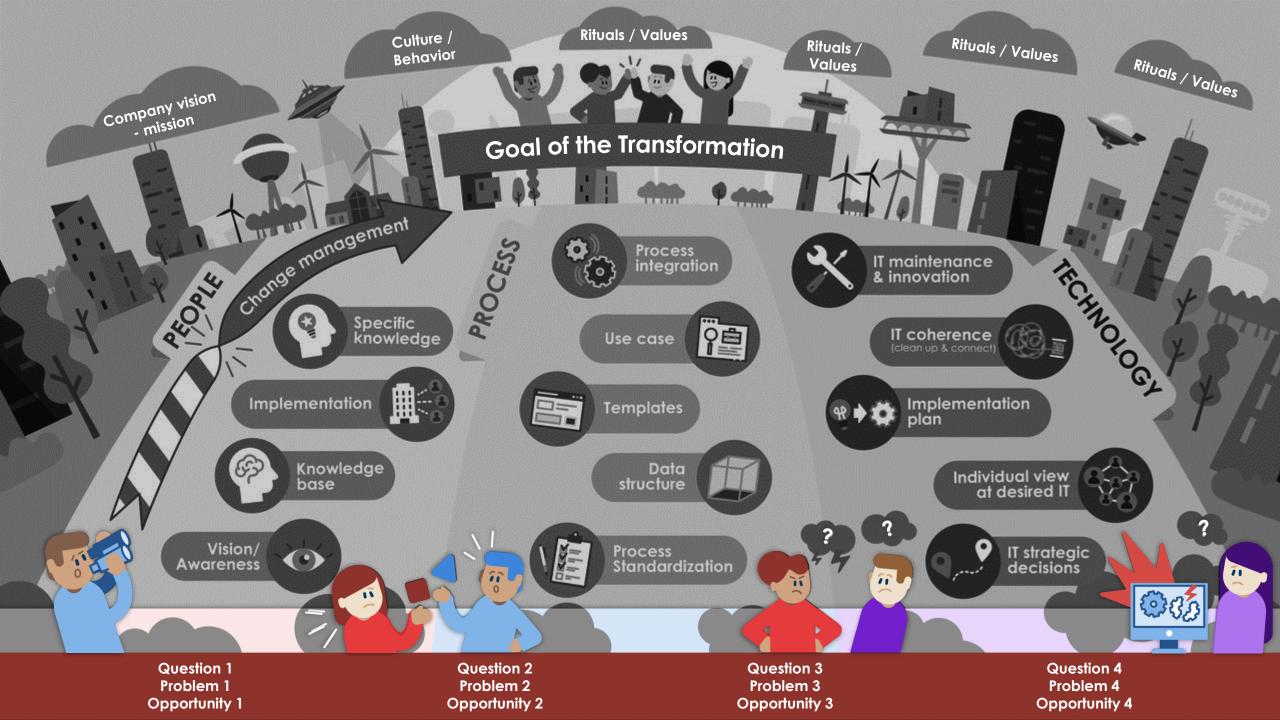
#### **AIM-model**

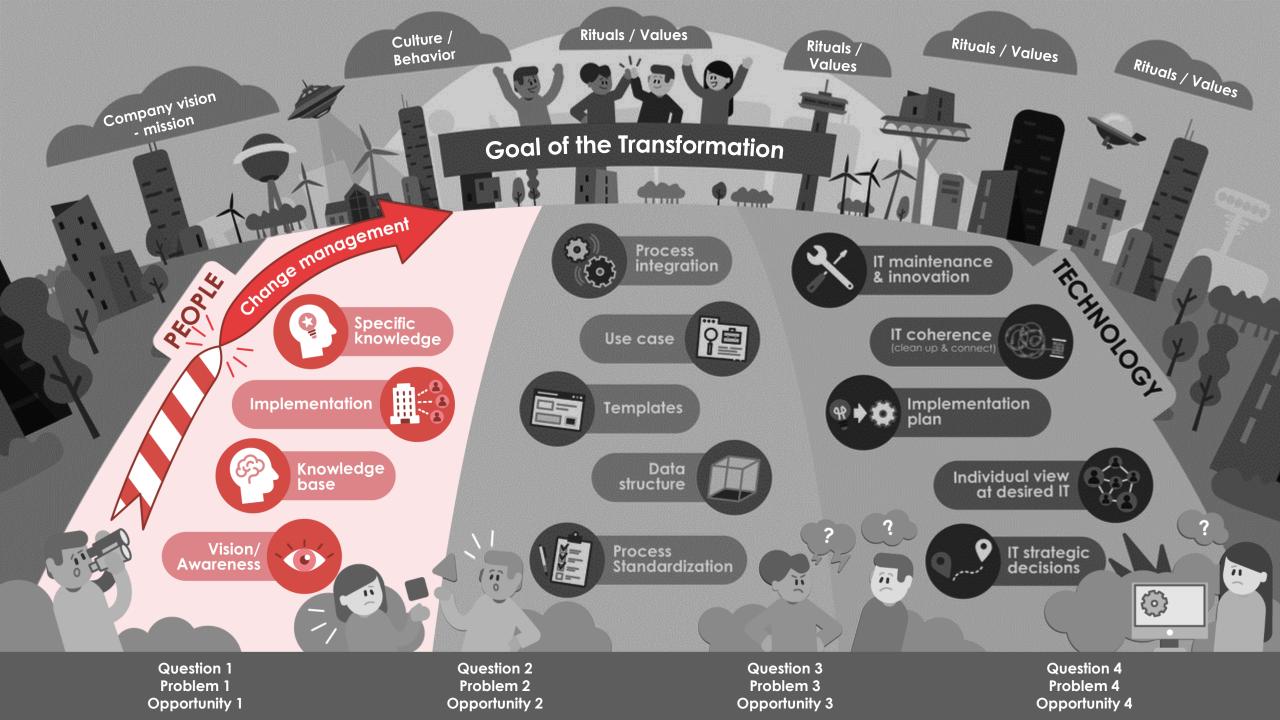
Rik Maes

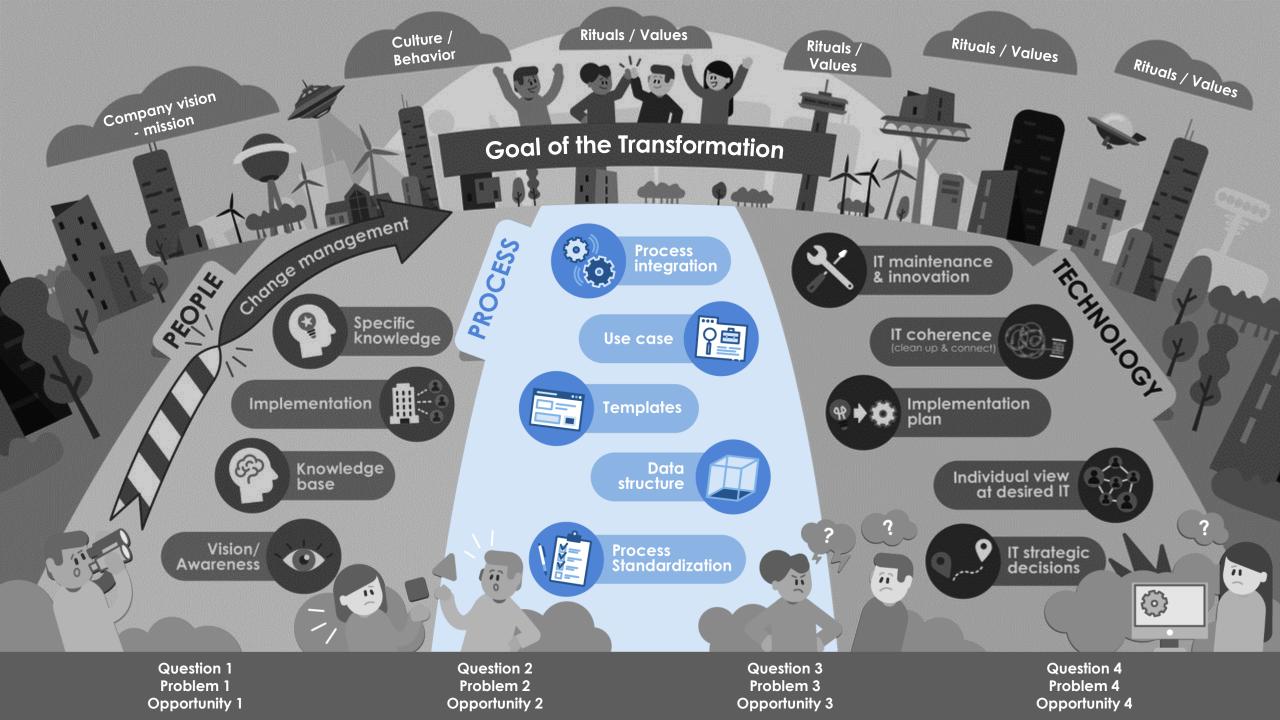
IT in the organization

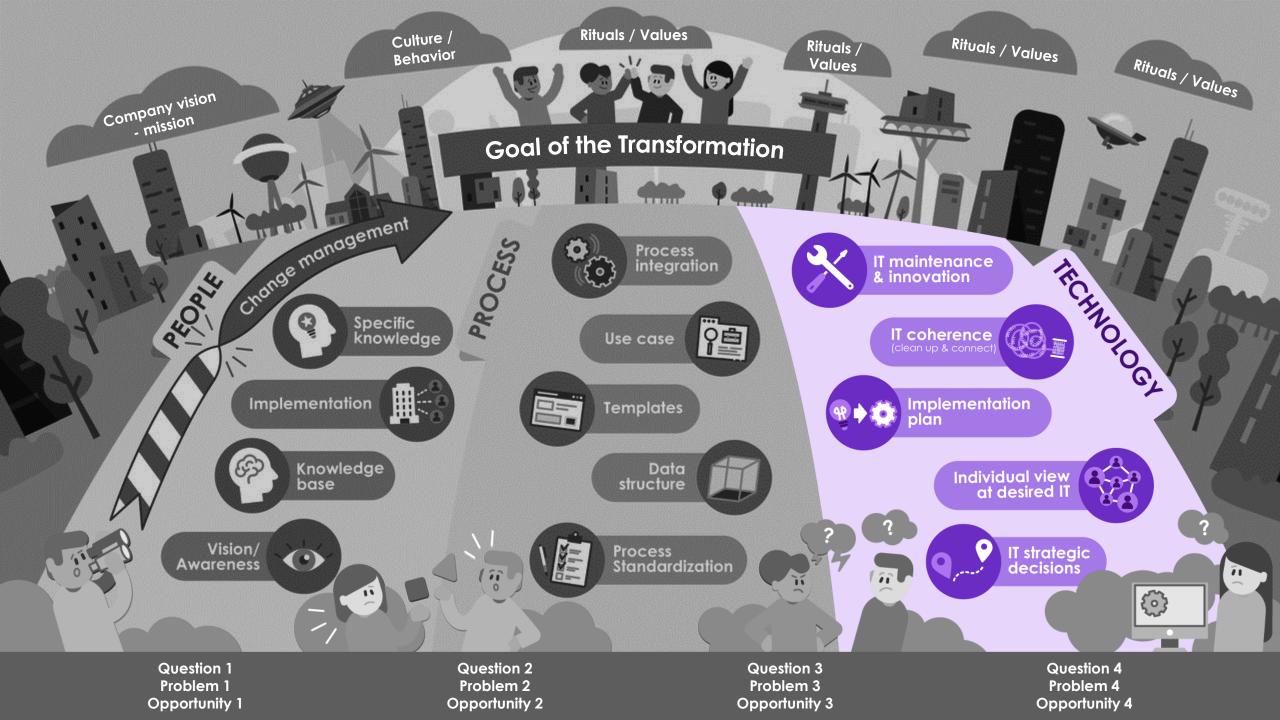


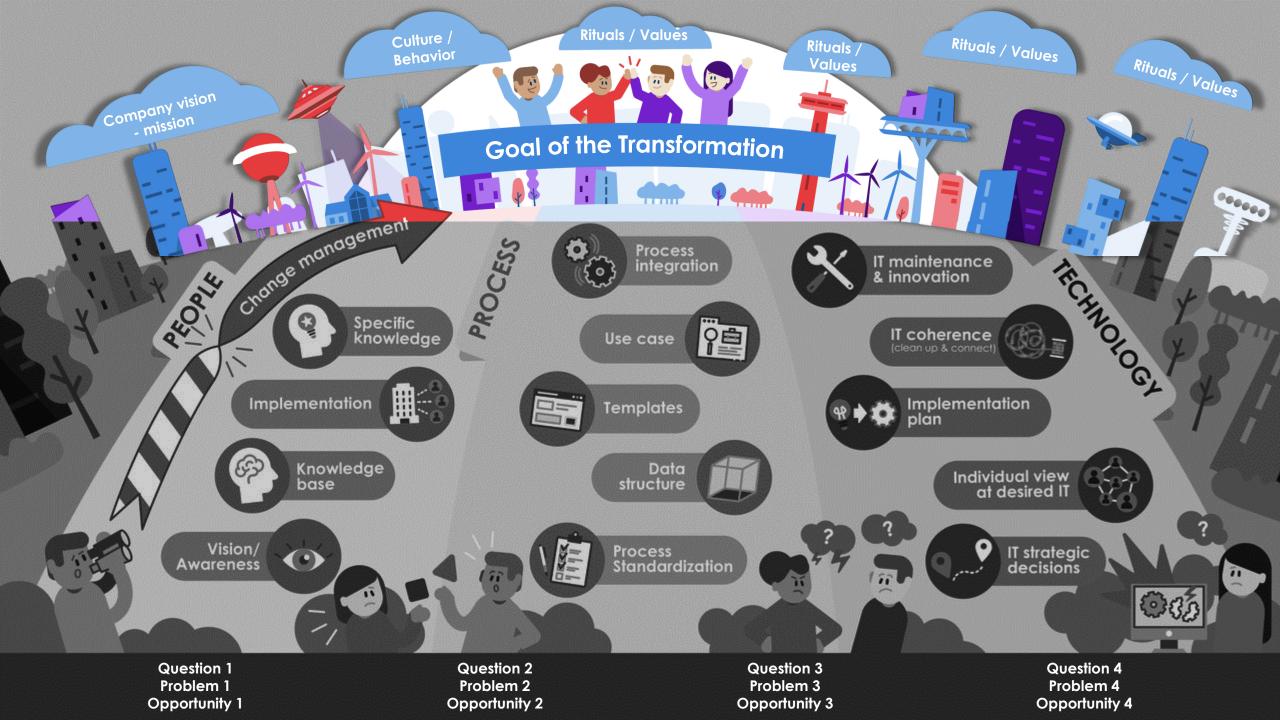


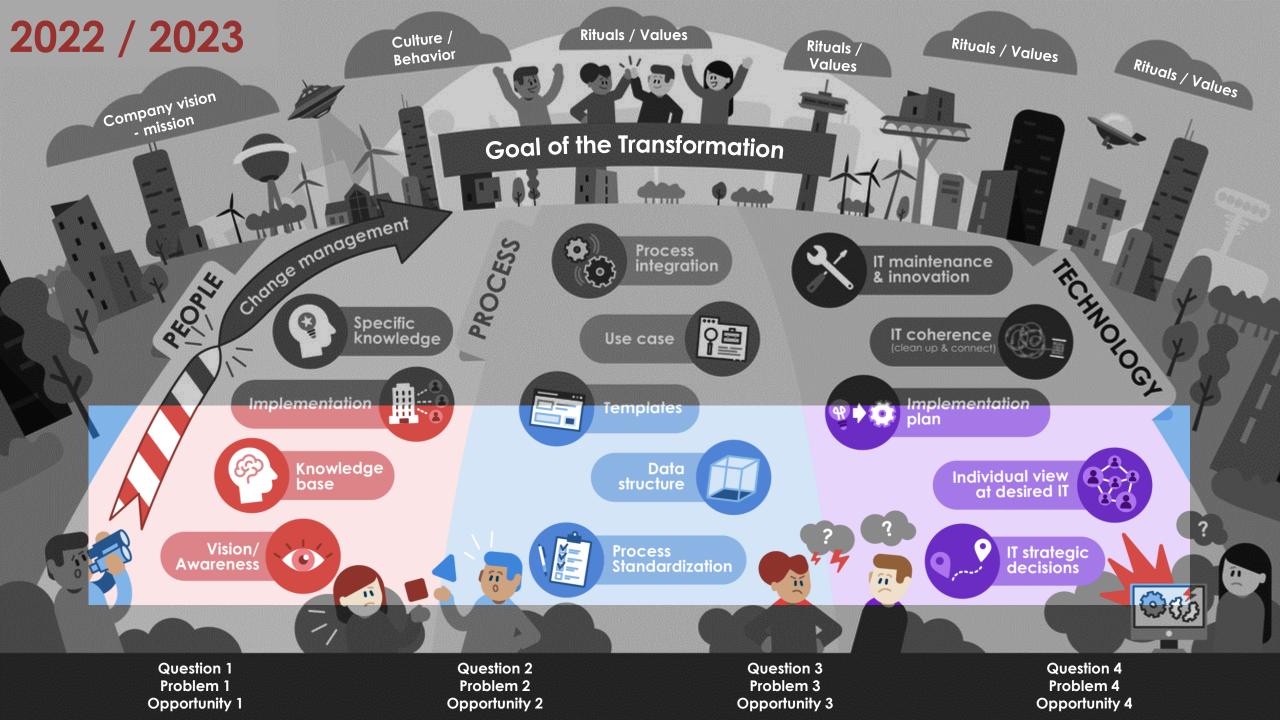


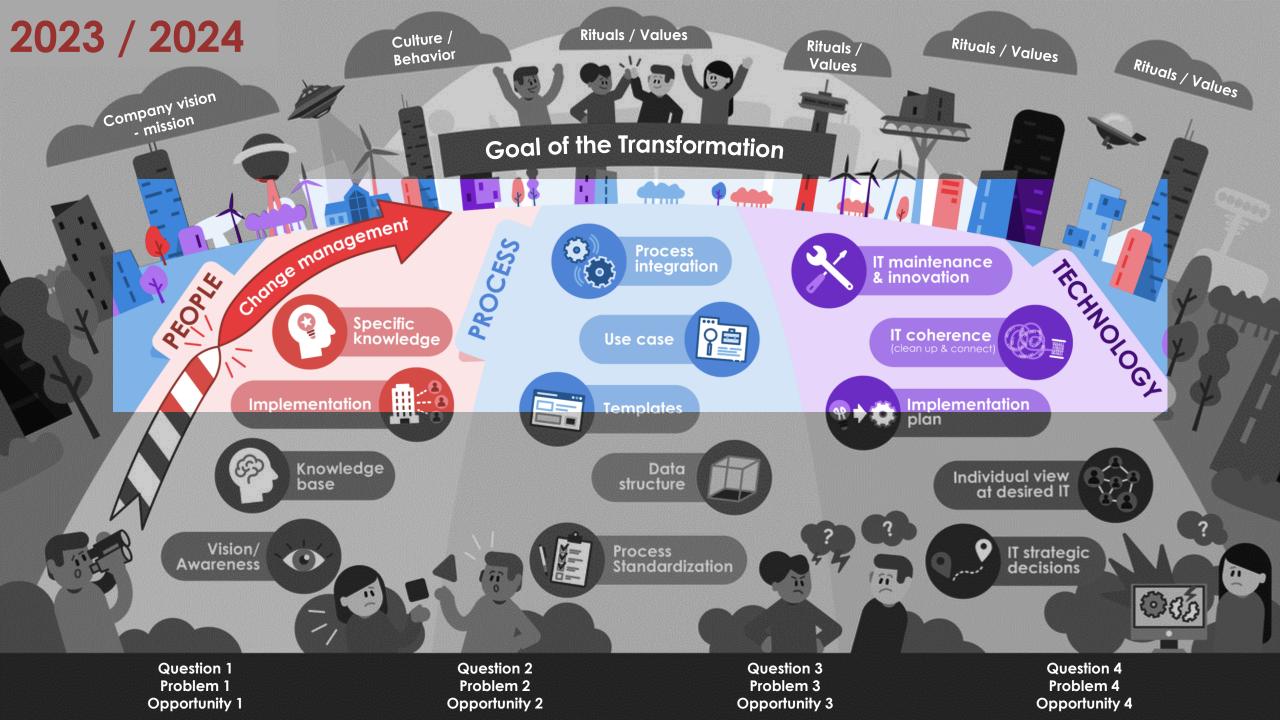


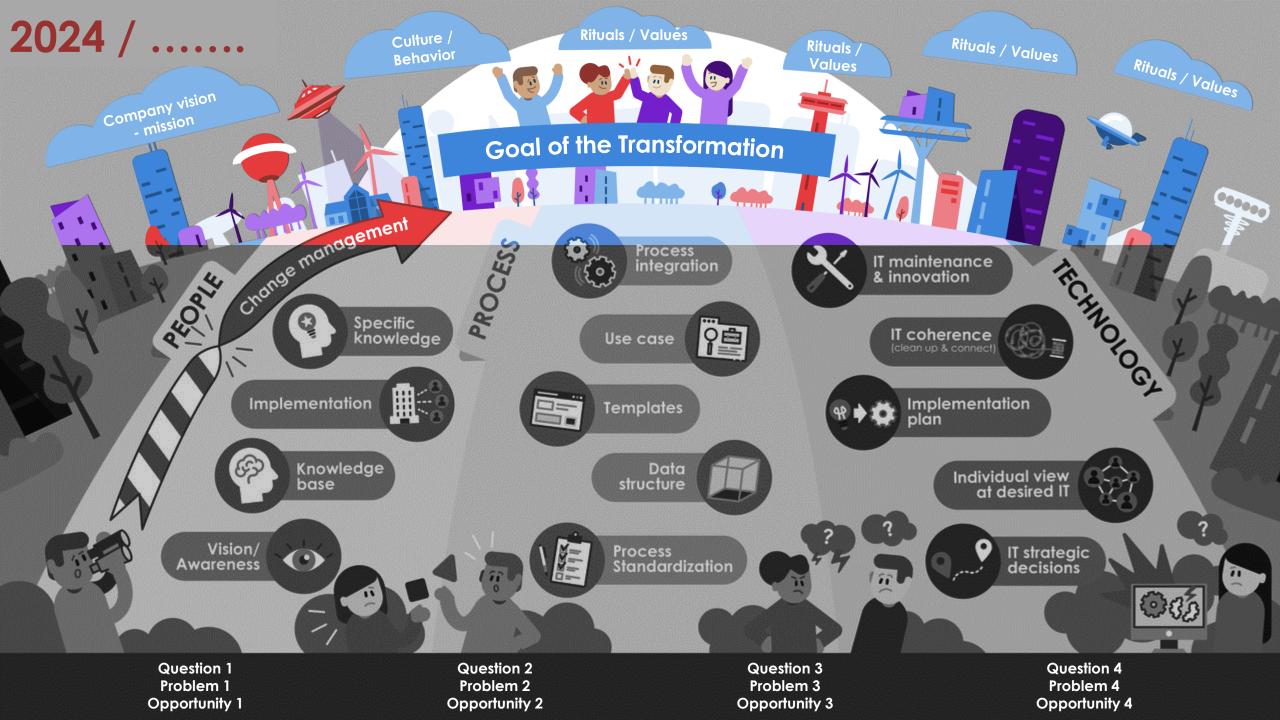


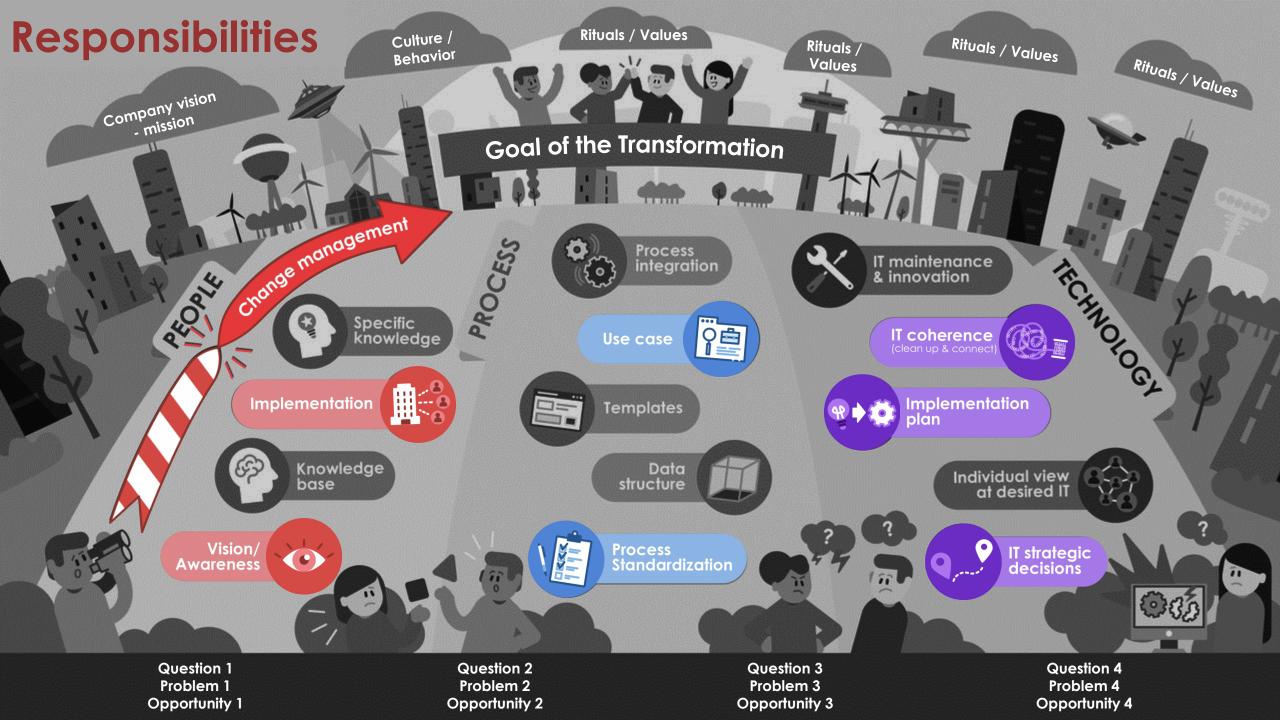


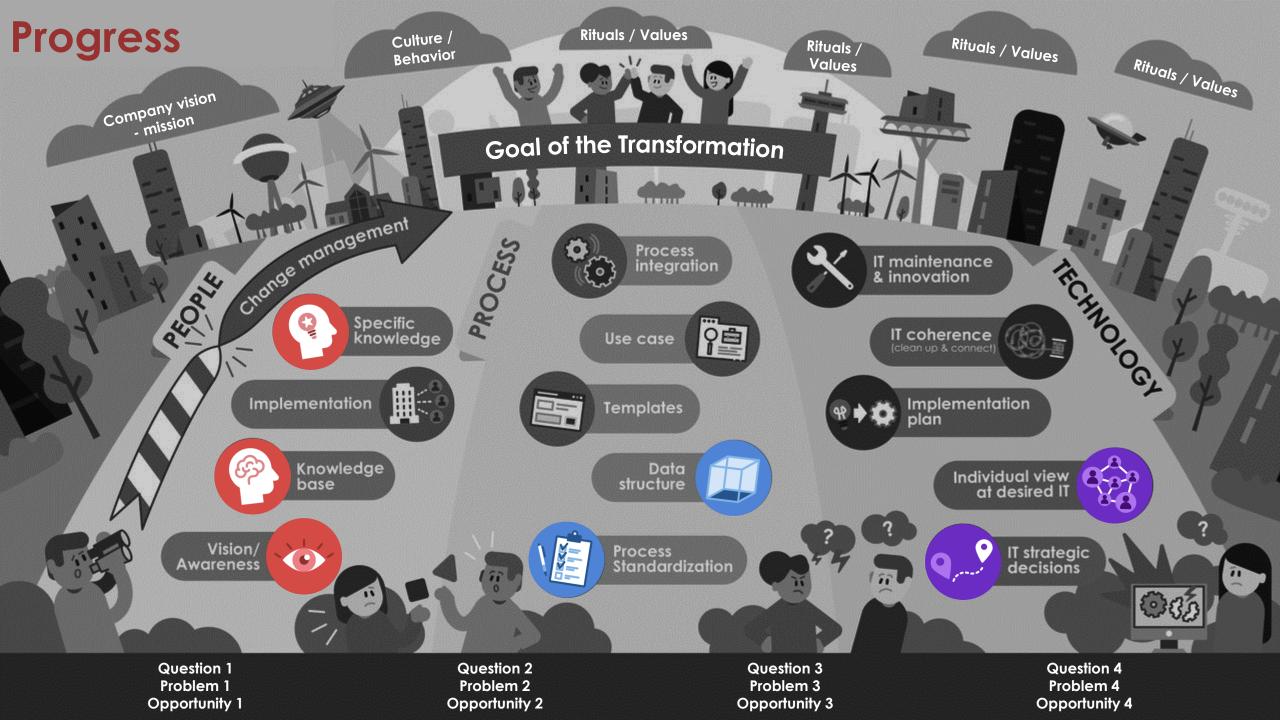


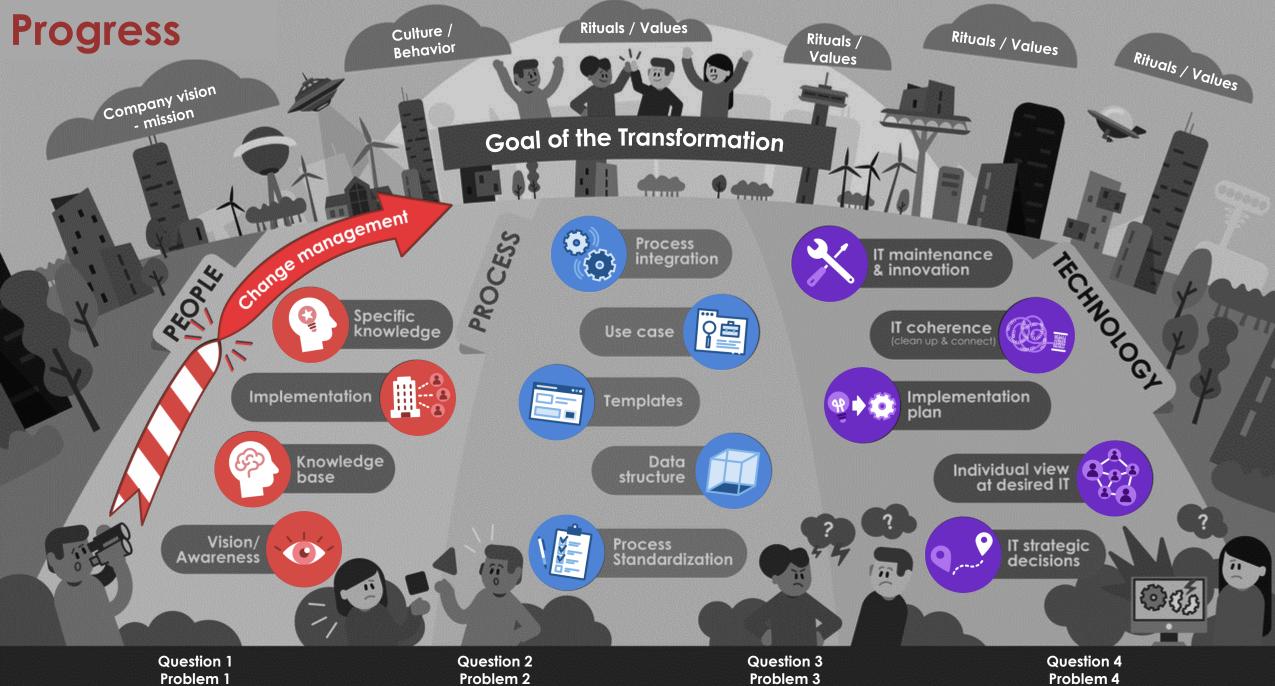






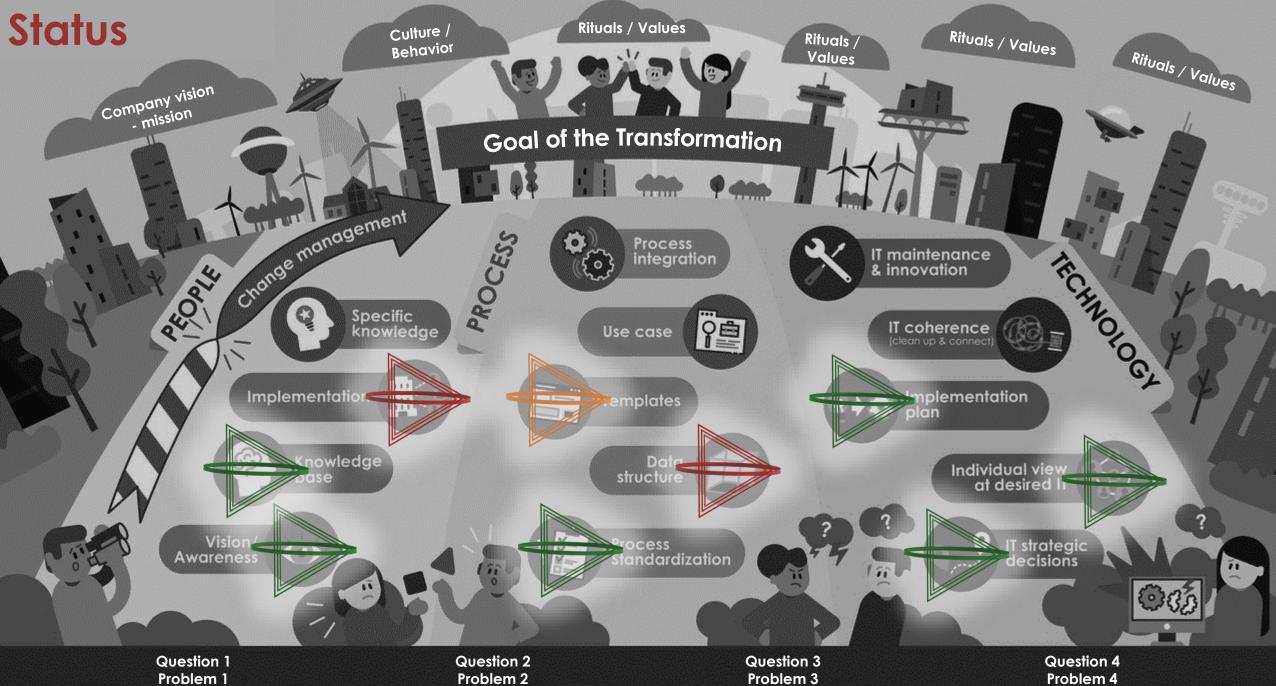






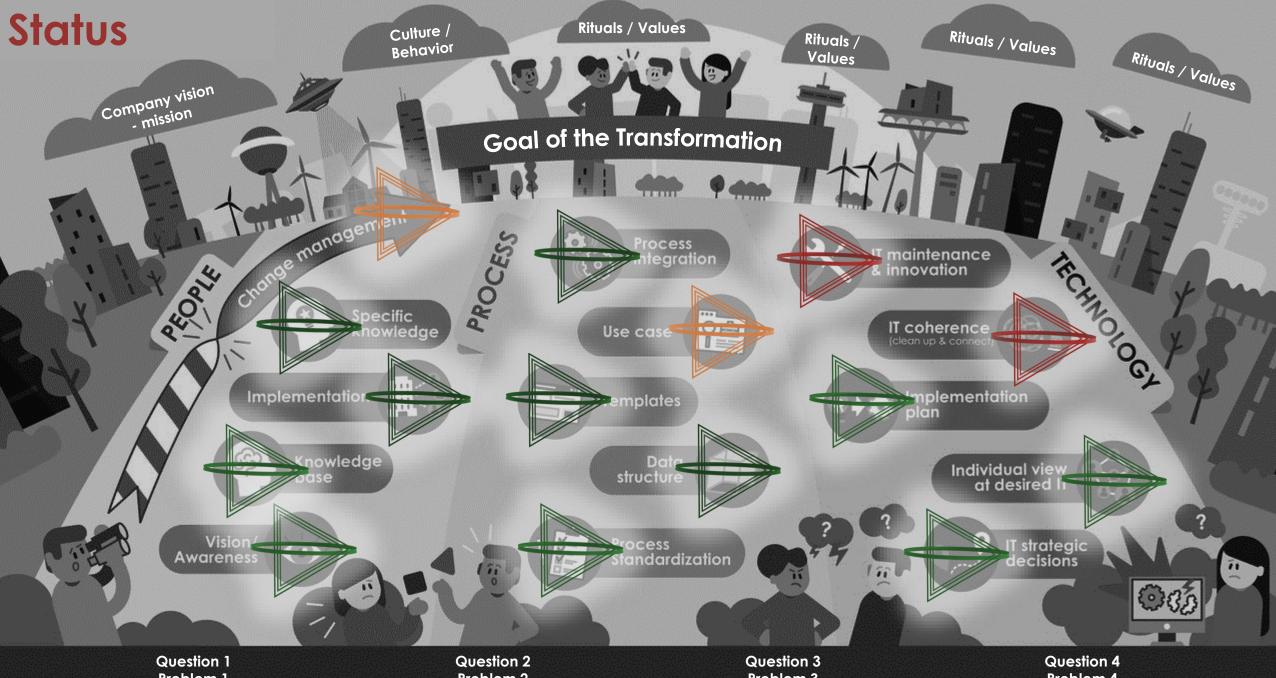
**Opportunity 2** 

**Opportunity 3** 



**Opportunity 2** 

**Opportunity 3** 



Question 1
Problem 1
Opportunity 1

Question 2 Problem 2 Opportunity 2 Question 3 Problem 3 Opportunity 3

Question 4
Problem 4
Opportunity 4

The Digital Transformation Roadmap is a proven method for digitization and change management. Every company should be able to use this tool to save time for digital transformation, have a better Return On Investment (ROI) and more success and fun with taking a step into the future. That's why I wrote a book to explain how to leverage this roadmap method.

The digital transformation roadmap — with examples of the BIM implementation at Movares.

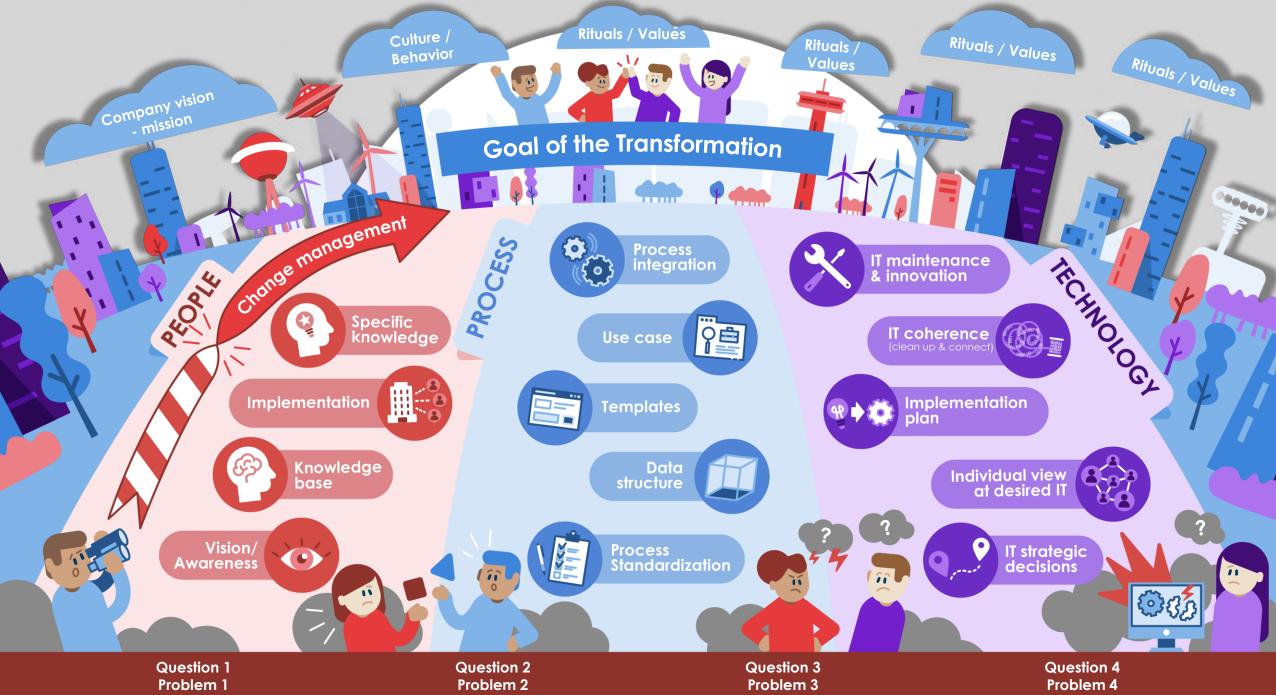
If you're interested have a look at:

RRijkersManagement.com)





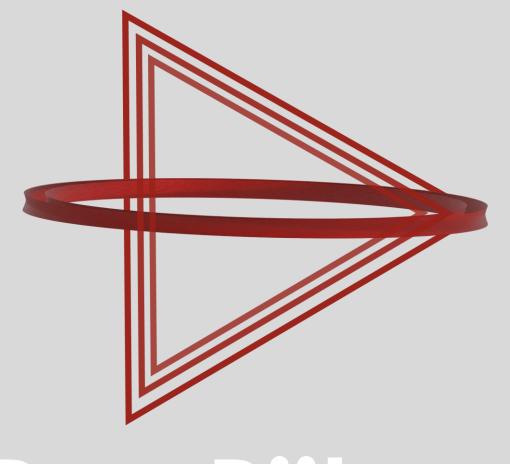
Rituals / Values



**Opportunity 2** 

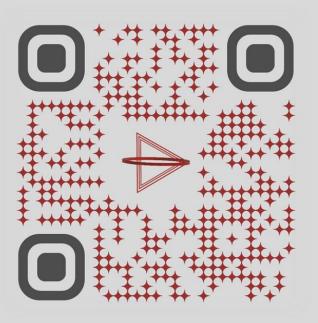
**Opportunity 3** 





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