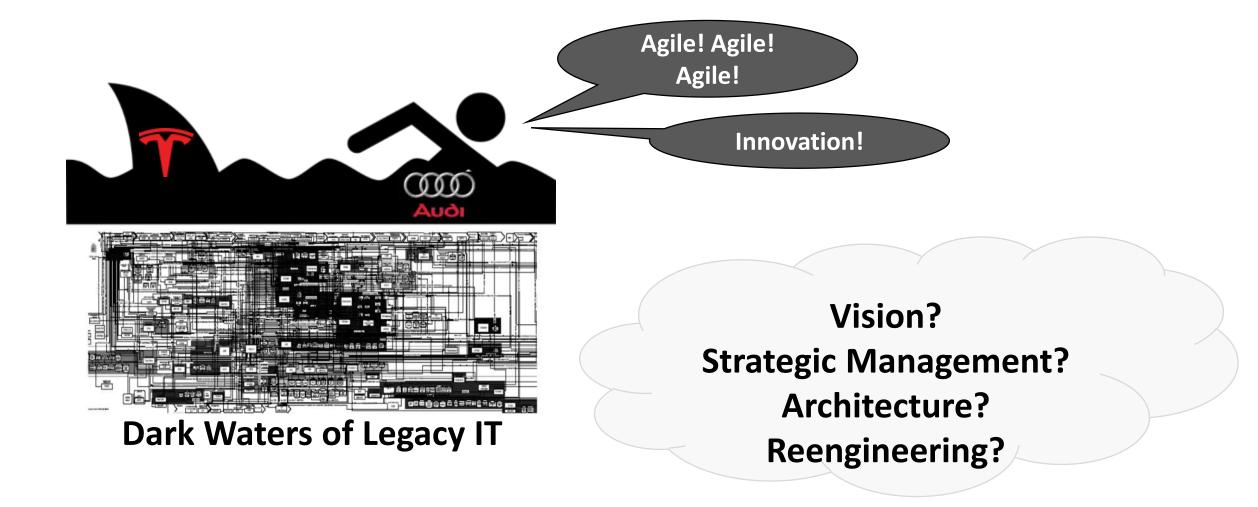


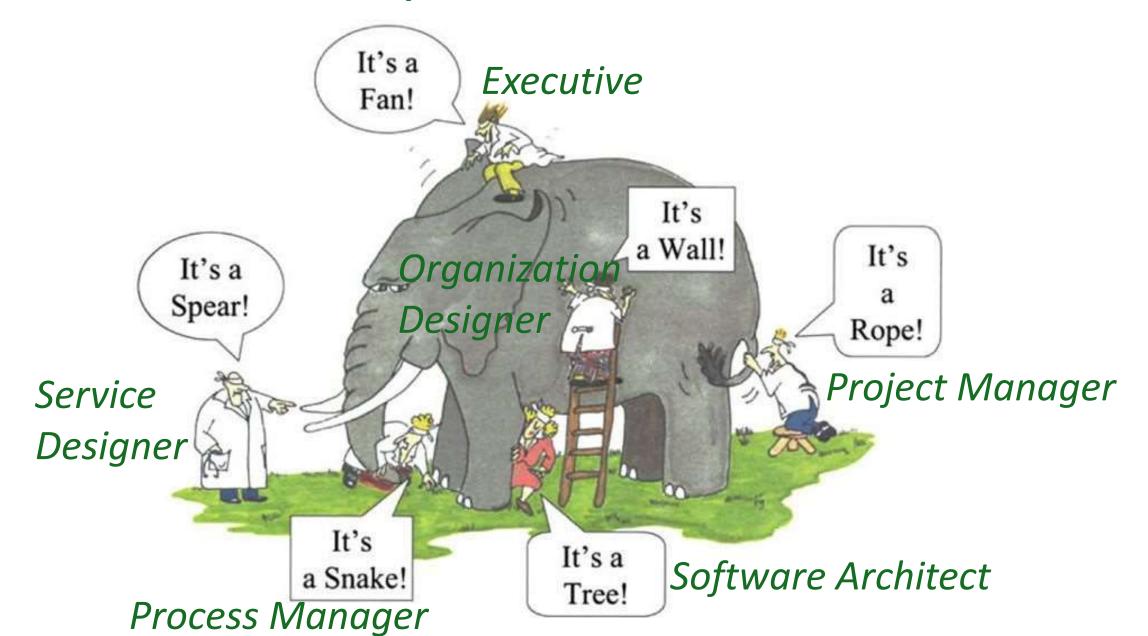
Agenda

- 1. The Problem
- 2. Who we are
- 3. Conceptual Foundations of Architectural Thinking
- 4. Conclusion

The Problem

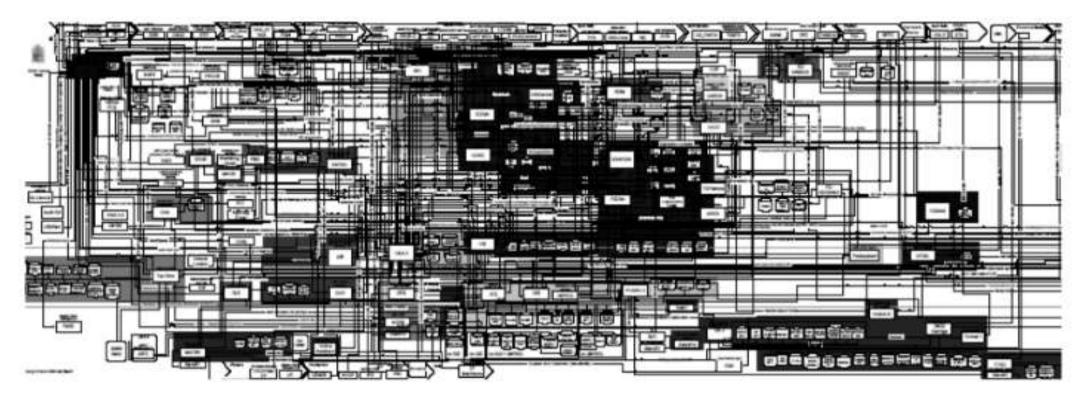


Six Blind Men and an Elephant



The Problem: "Six Blind Men and an Elephant"

LEADS TO...



Zero Adaptive Business&IT-Architectures

To survive the speed of business change enterprises need to become adaptive to their surrounding.



Agile

Adaptive



Adaptivity needs collaborative design of business architecture.



Collaborative design needs Architectural Thinking.



But what is "Architecture" all about?

"Architecture is the fundamental organization of systems embodied by their elements, their relationships to each other and to the environment, and the principles guiding their design and evolution."

IEEE

What is "Design" all about

"Design is the process of creating architectures that have desirable quality characteristics."

Wolfgang Goebl Sept. 18th 2019

The Solution?

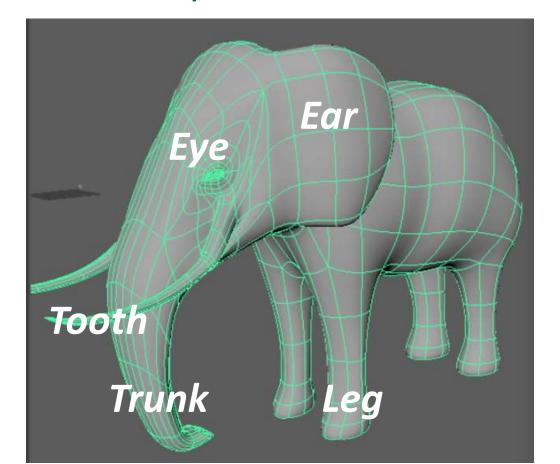
Four Core Concepts of the Architectural Thinking Framework®

#1 –Enterprise Core Model

= Simple Enterprise Model Everybody Understands

simple UX, concise

businessoriented



used&accepted by "everybody"

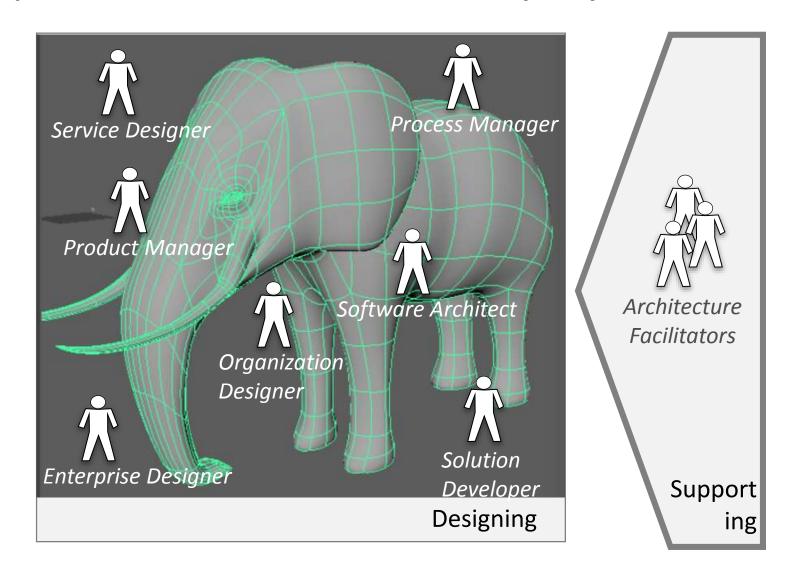
#1 –Enterprise Core Model

Enterprise Architecture – as usable as an iPhone



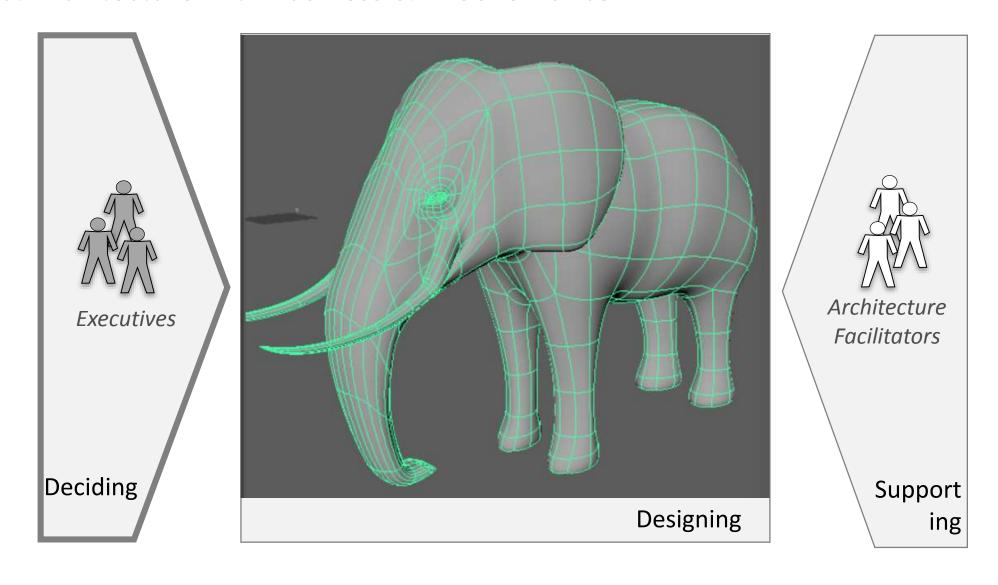
#2 -Collaborative Modeling

Bringing the Concept & Mindset of "Architecture" to Everybody

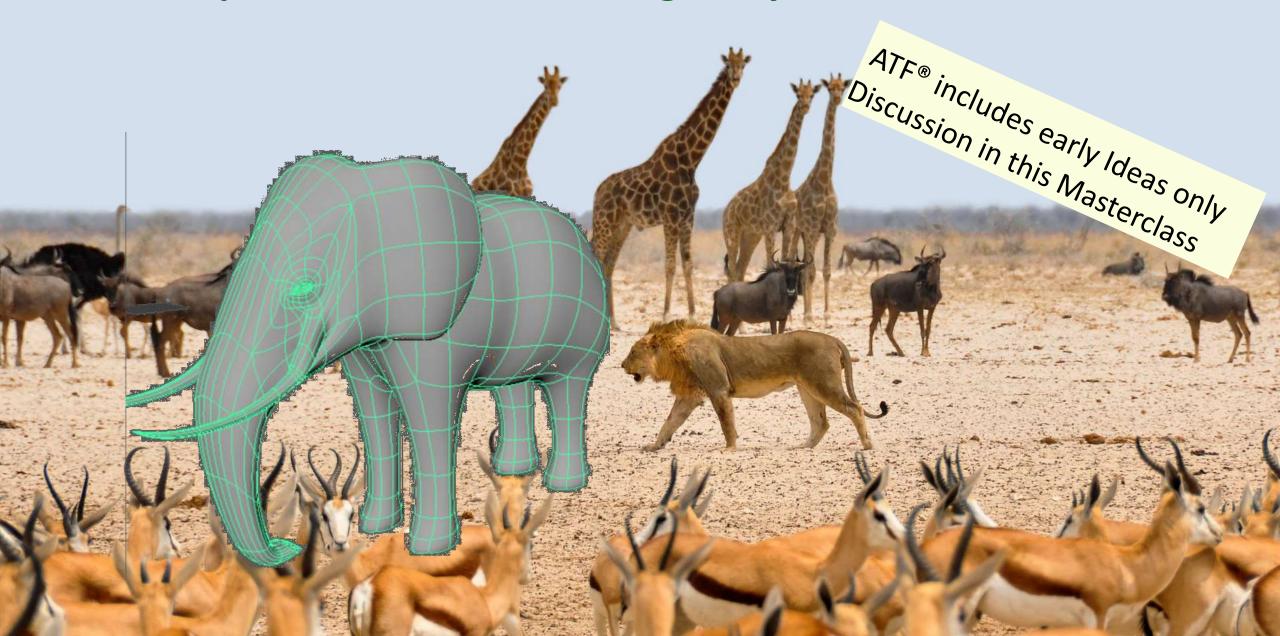


#3 -Architectural Model = Basis for Strategic Decisions

Connect Architecture with Business & IT Governance



#4 -Enterpise = Part of Surrounding Ecosystem



Who we are

- 1. The Problem
- 2. Who we are
- 3. Conceptual Foundations of Architectural Thinking
- 4. Conclusion

Architectural Thinking Association®Who we are...

- Non profit association according to Austrian law
- Goal: "Spreading vision of Architectural Thinking"
- Open Source Architectural Thinking Framework® (ATF®)
- > architectural-thinking.com/participate

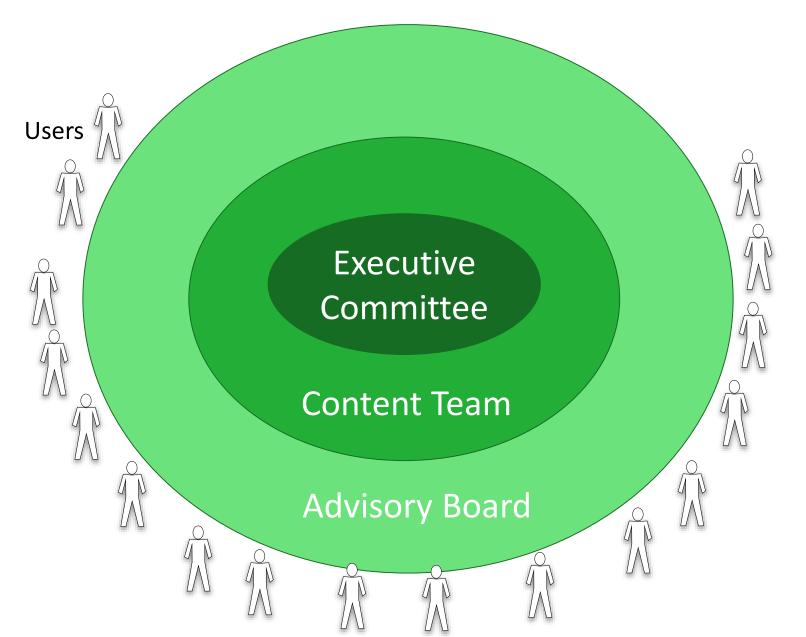


Our Mission

"We help people to design sustainably adaptive enterprises."



Organization of the Architectural Thinking Association®



Architectural Thinking Association[®] (ATA[®]) Who we are...

Leadership Team

The Architectural Thinking Association's Leadership Team consists of these architecture-passionate people:



Scott Ambler
Disciplined Agilist



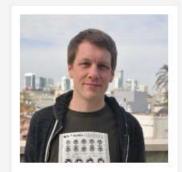
Marc Bastien
Enterprise Architect



Darryl Carr Enterprise Architect



Wolfgang Goebl President



Milan Guenther

Enterprise Designer



Susan Hasty
Strategy Consultant



Mike Rosen Founder BA Guild

What we do

We bring thought leaders and practitioners of relevant enterprise disciplines together.

We grow an Open Source **Architectural Thinking Framework**® where everybody **wants** to connect to.

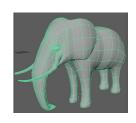


We spread our vision of Architectural Thinking.

Conceptual Foundations of Architectural Thinking

- 1. The Problem
- 2. Who we are
- 3. Conceptual Foundations of Architectural Thinking
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Components of the Architectural Thinking Framework® (ATF®)



Enterprise Core Model



=Connection to existing enterprise processes=

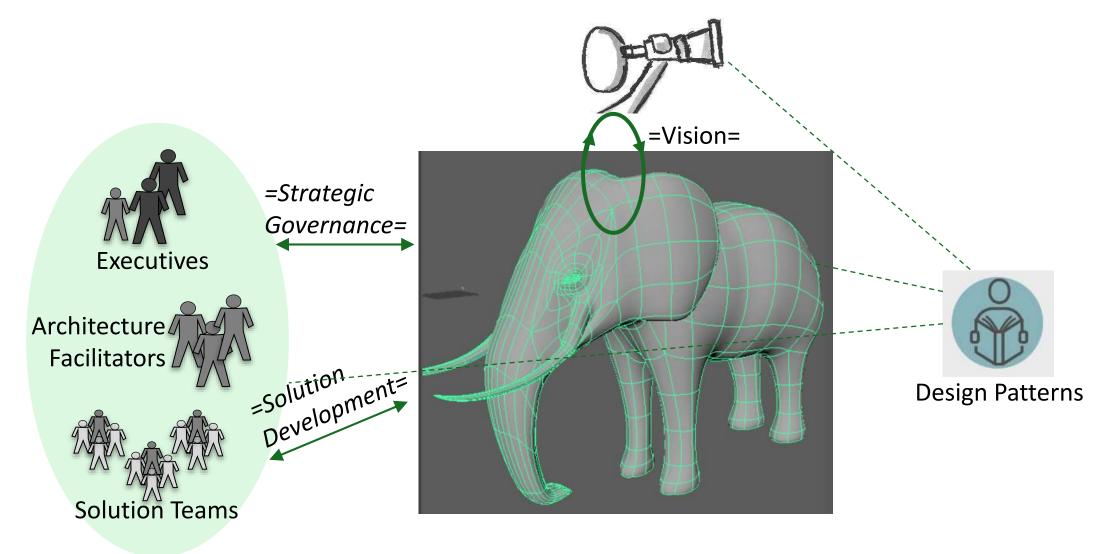


Roles



Design Patterns

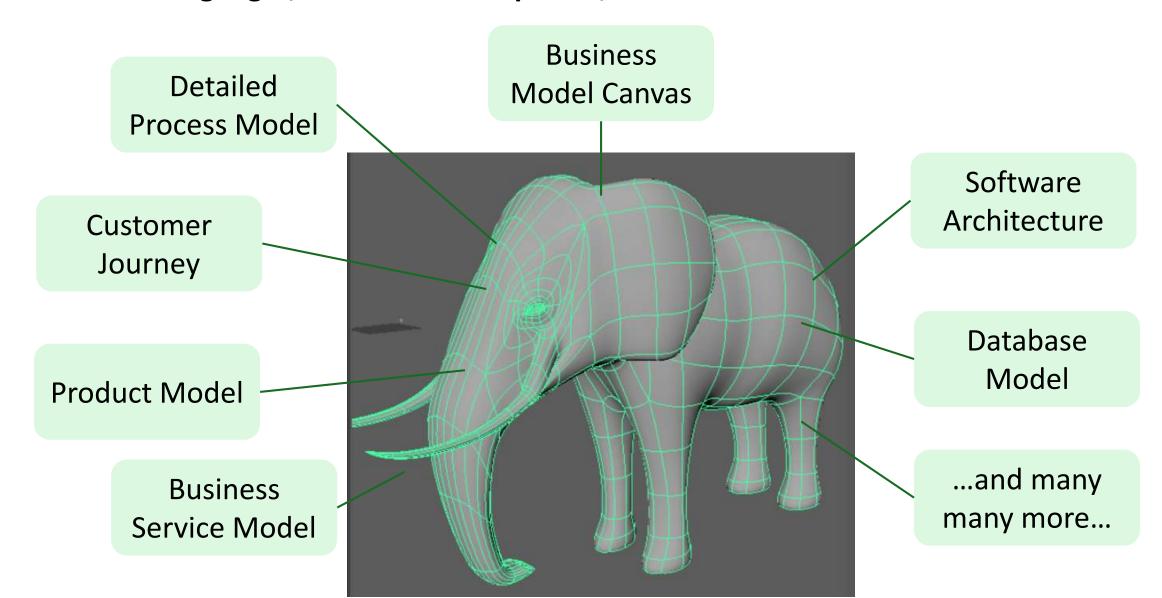
Components of the Architectural Thinking Framework® (ATF®)



3.1 Enterprise Core Map

Enterprise Core Map

Common "Language", Glue Between Specific, Detailed Models



Enterprise Core Map ATF® V0.1

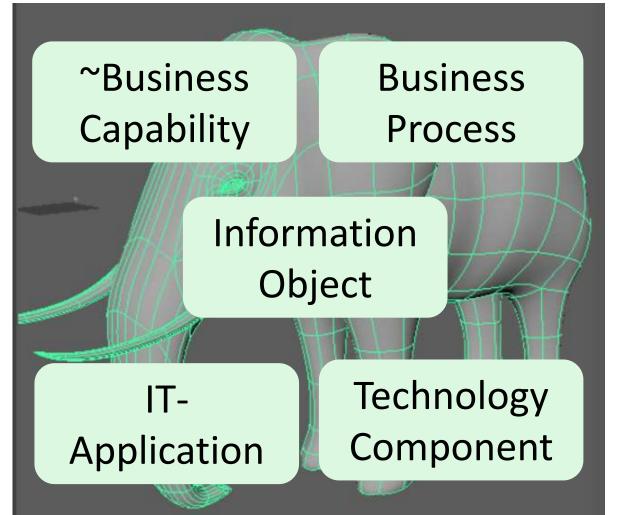
(i) widely known (ii) obvious&mature (iii)mandatory as glue concepts only

Org Chart?

Business Service?

Touchpoint?

Product?



Value Stream?

Customer Journey?

Enterprise Core Maps ATF® V0.1



Applications

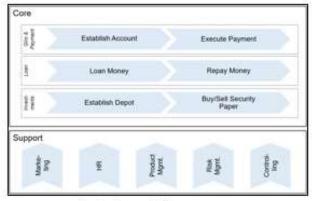
Survivo A. Service

Chance

Chance

Indicate

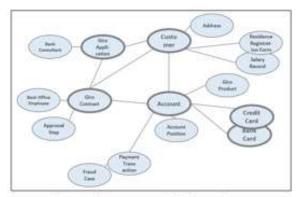
Capabilities



Value Streams



Technologies



Business Objects

Business Capabilities – Connector between everything

Hierarchical Breakdown of the Business

Sales & Service Channels			Management &
			Support
Branch Location	Online	Selfservice	CRM
	Operation & Execution	n	Product Management
Giro	Investments	Loan	Troduct Management
Giro	Depot	Consumer Loan	
	Security Paper	Corporate Loan	Marketing
Cards	Trading	Leasing	HR
	Cross Product Operation	on	
Account Management	Payment Processing	Collateral Administration	Document Management

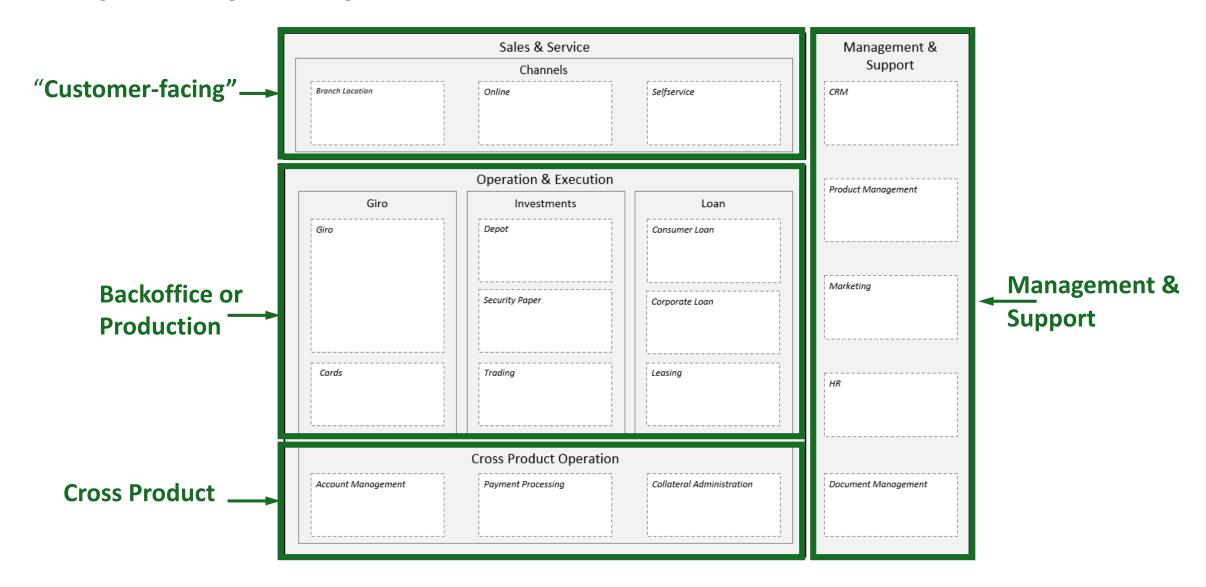
~Capability Modelling Guidelines

Understood by executives within seconds

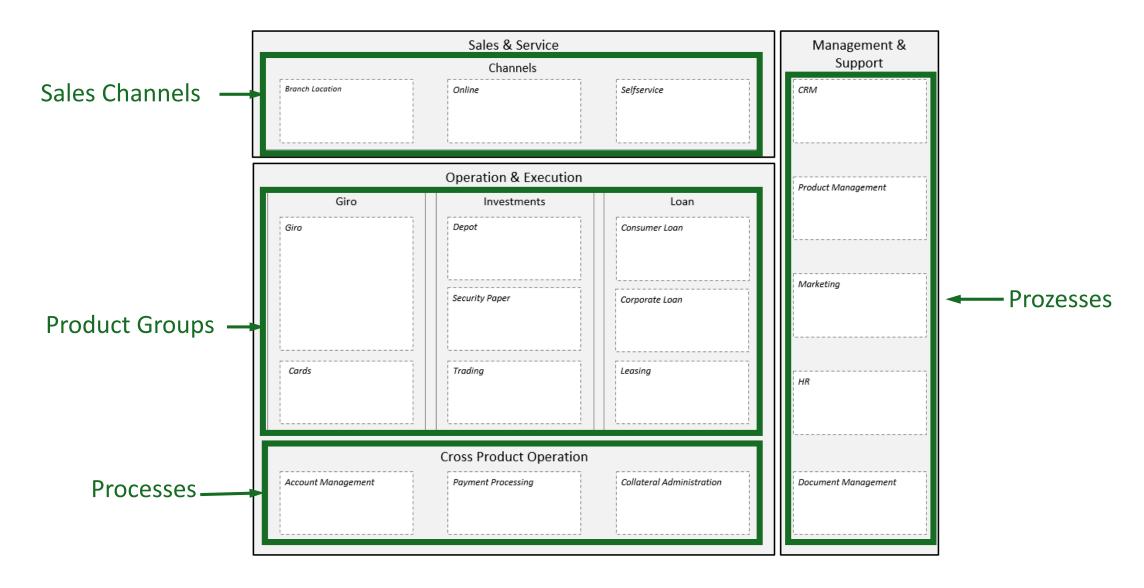
- Only whats needed for strategic decisions
- Courage for the gap
- Terminology accepted by business people
- Level 1: six to ten capabilities
- Two or three hierarchies
- Half a page of description per capability



Example ~Capability Model Level 1:



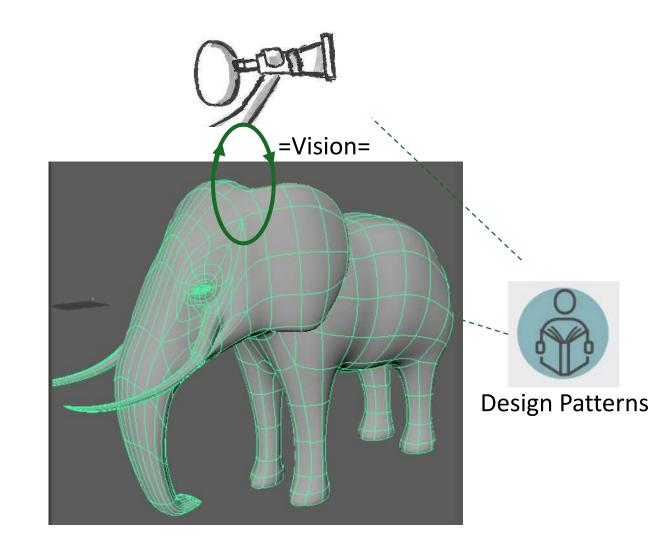
Example ~Capability Model Level 2:



3.2 Connection to ==VISION==

Connect Enterprise Model with Business Vision

- Vision should be based on current strengths (capabilities)
- > Formulate vision around new capabilities that arise with new partnerships&technologies



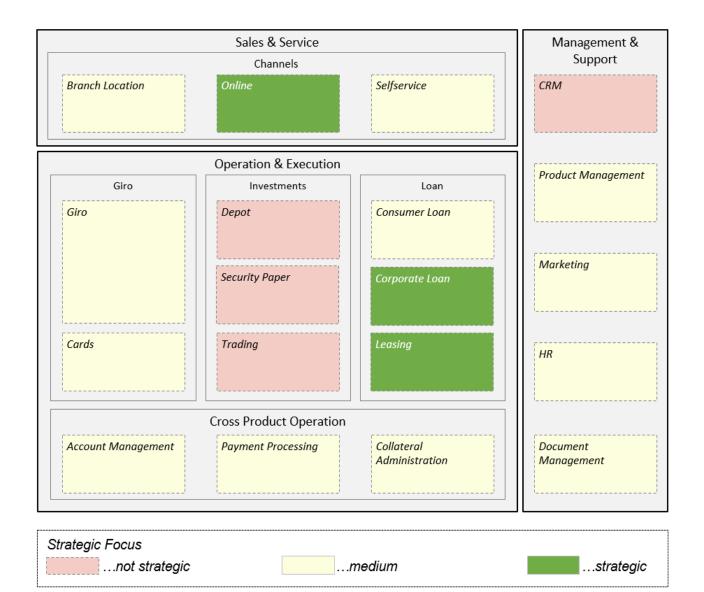
Base Vision on Current Strenghts

...by Heatmapping of Your ~Capability Map



Formulate Vision Around New ~Capabilities

...that arise with new partnerships&technologies



Formulate Vision Around New ~Capabilities Example

Technologies Capabilities

"The technologies we use in our daily lives, such as smartphones and tablet devices, could make a real difference in helping patients to manage their own health. We are exploring ways to use these tools to improve compliance rates and enable health-care professionals to monitor patient progress remotely".

[Novartis 2012]

3.3 Connection to ==STRATEGIC GOVERNANCE ==

What's the Best Way to Make Strategic Decisions?



Management, Top-down

Democratic, Bottom-up

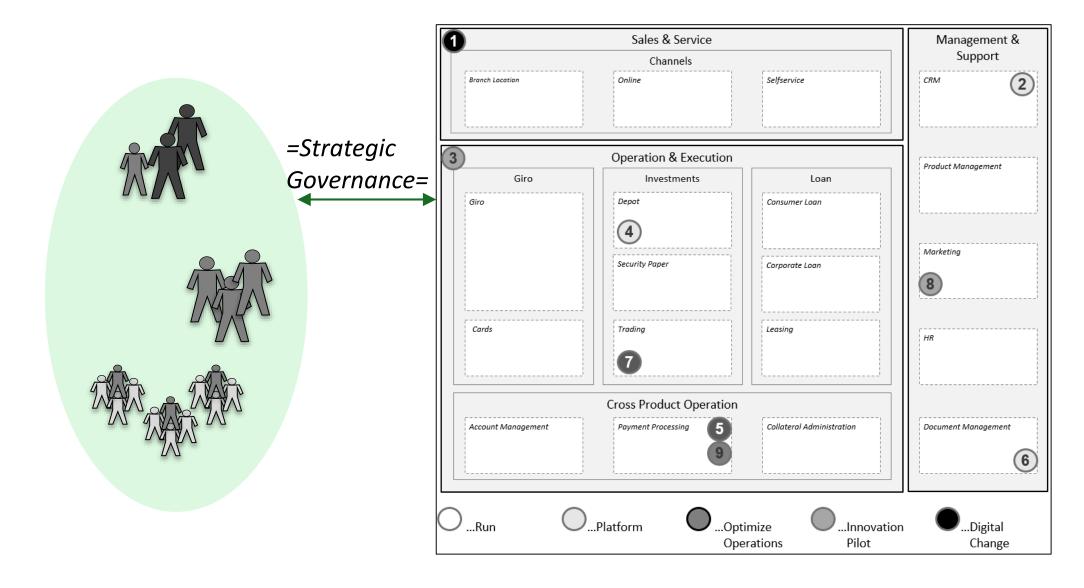
What's the Best Way to Make Great Enterprise Designs?

"Most great works of the human mind have been made by one mind, or two working closely. But now, team design has become the modern standard, for good reasons. The danger is the loss of conceptual integrity in the product, a very grave loss indeed.

So the challenge is how to achieve conceptual integrity while doing team design, and at the same time to achieve the very real benefits of collaboration."

Connect Strategic Governance to Enterprise Core Map

Collaborative Enterprise Design needs Strategic Decisions



~Capability Maps: the Perfect Management Tool Heatmapping

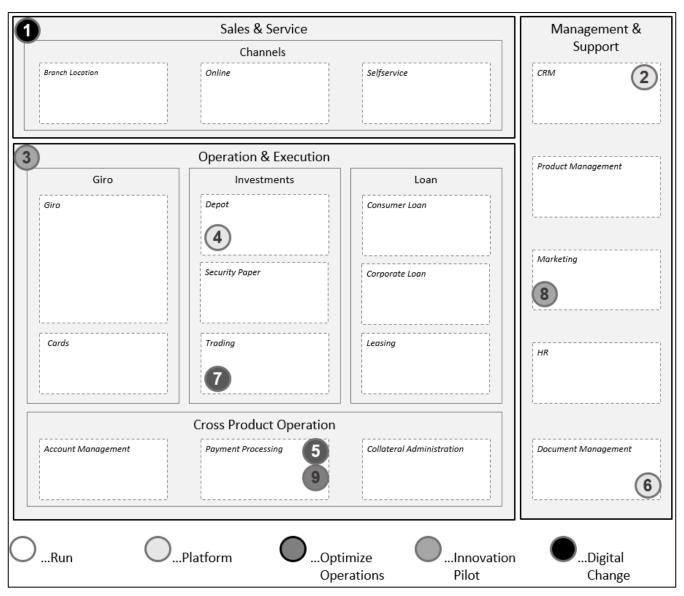


~Capability Maps: the Perfect Management Tool Budgeting



"Capability Maps: the Perfect Management Tool

Strategic Fields of Action: Connector between Architecture and Initiatives



Strategic Field of Action - Example

Strategic Field of Action: Seamless Multichannel Experience

Category: Digital Change

Description:

The way that people buy bank products is changing significantly as it becomes easier to access information across a number of channels. We want to improve sales by offering a seamless customer experience across multiple channels.

Solutions:

- Implementation of new 'Common Sales System' (CSS) that supports mobile, tablet, PCs
- Seamless User Experience between digital and physical channels (phone, branch)
- Pragmatic Integration with ATMs

Capabilities:

Sales & Service

Channels

Branch Location

Online

Self-Service

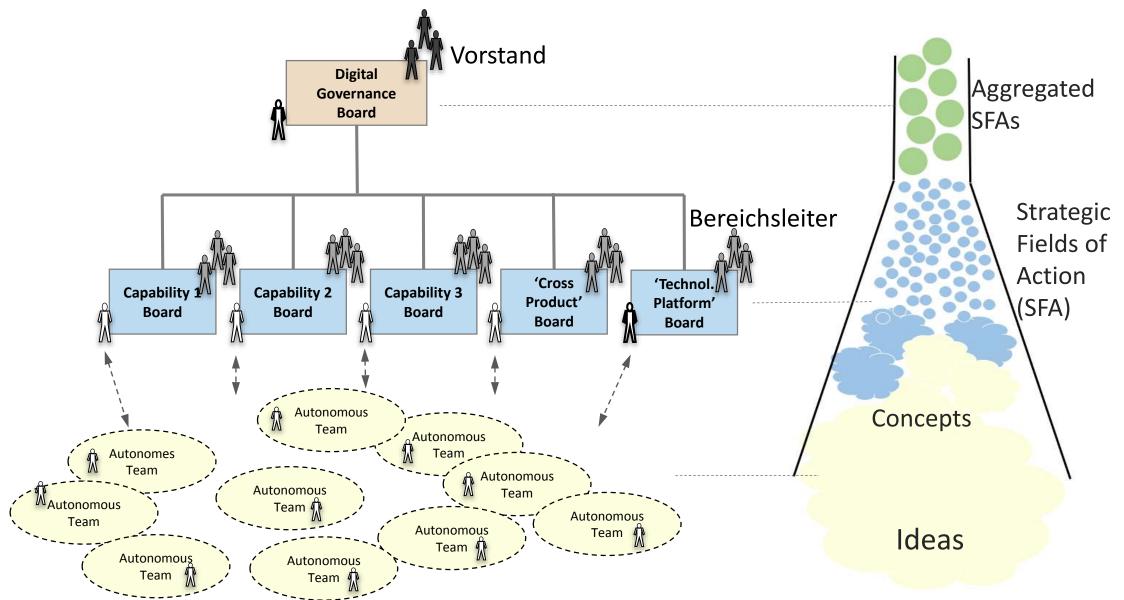
Projects:

- CSS 1.0 (9.5 M\$)
- SST 2.0 (1.2 M\$)

Cost Indication: \$\$\$

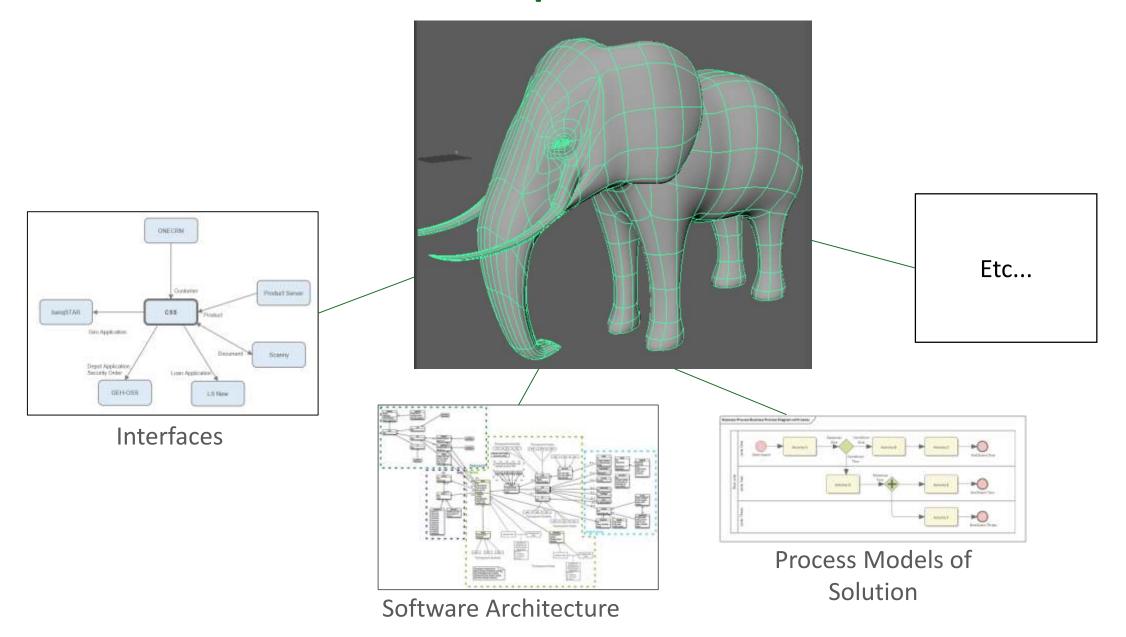
Technical Debt: - 3%

Architecture as Core of Company-Wide Governance



3.3 Connection to ==SOLUTION DEVELOPMENT==

Connect Solution- with Enterprise Architecture



Connect Solution Requirements with Enterprise Architecture

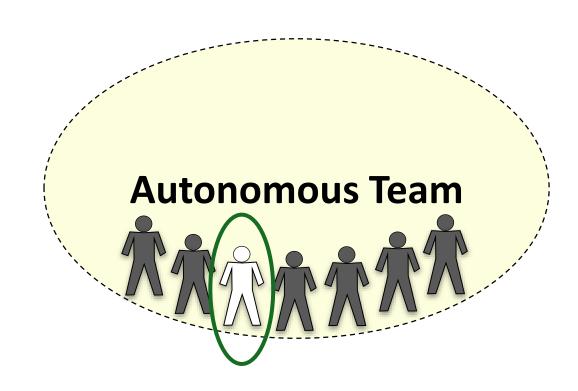
Assign Requirements to Capabilities





Architecture Facilitator: Part of Solution Team

- > 80% of architectural Work happens in Solution Team
- > Everybody is architect on micro level
- > Architecture Facilitator accountable for
 - > Solution Architecture as a whole
 - > Integration with Enterprise Architecture



Conclusion

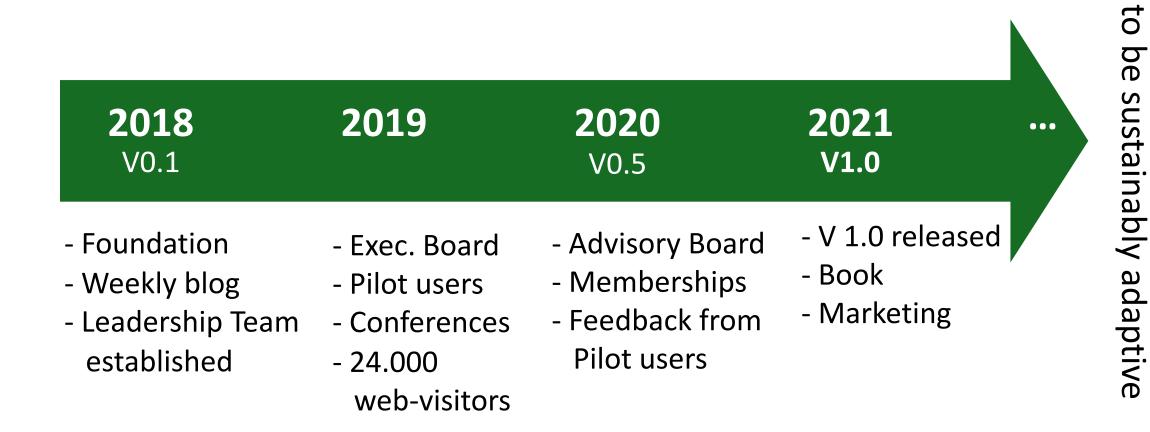
- 1. The Problem
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Conclusion

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Digital Transformation
Adaptive Enterprises
Well Designed Business Architectures
Collaborative Design & Strategic Decisions
Architectural Framework Usable for Everyone.
```

Enterprises

Architectural Thinking Framework® Roadmap



How to Participate in our Vision

Register and discuss at our blog

Follow us and discuss on linkedIn

Provide feedback in our wiki

Apply to become

- member of the Advisory Board
- pilot user
- reviewer of the Architectural Thinking Book



Dr. Wolfgang Goebl

wolfgang.goebl@architectural-thinking.com architectural-thinking.com













Recommended Reading

[Ambler10]: S. Ambler: 'Disciplined Agile Delivery'

[BAGuild16]: Business Architecture Guild, "A Guide to the Business Architecture Body of

Knowledge®" (BIZBOK® Guide, v6.5), http://www.businessarchitectureguild.org/

[Brooks10]: F. Brooks: 'The Design of Design: Essays from a Computer Scientist'

[Carr18]: D. Carr 'State of Enterprise Architecture Survey: Results and Findings' https://eapj.org/wp-content/uploads/2018/05/EAPJ-Special-Edition-State-of-EA-Survey.pdf

[Eckstein18]: J. Eckstein: 'Company-wide Agility'

[Kostic 16]: N. Kostic: 'Demystifying Enterprise Architecture' http://www.entarchs.com/blog/demystifying-enterprise-architecture.html

[Westerman15]: 'Leading Digital Turning Technology into Business Transformation'