

# Creating a Successful EA Practice



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**Association of Enterprise Architects**  
*An International Forum for Enterprise Architecture*



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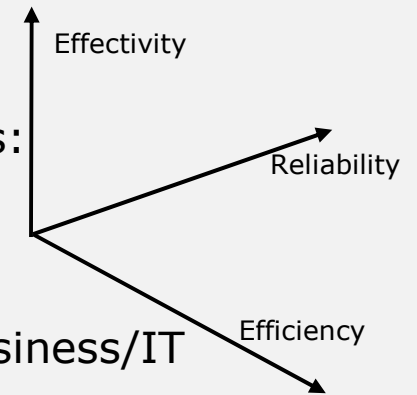
- ❑ Creating an Enterprise Architecture
- ❑ From Architecture to Architecture Management
- ❑ Internal Organization of Architecture Management
- ❑ Integration of Architecture Management with other IT-Management Processes
- ❑ Creating an Architecture Management Practice

# Scenario: Optimization of the IT landscape

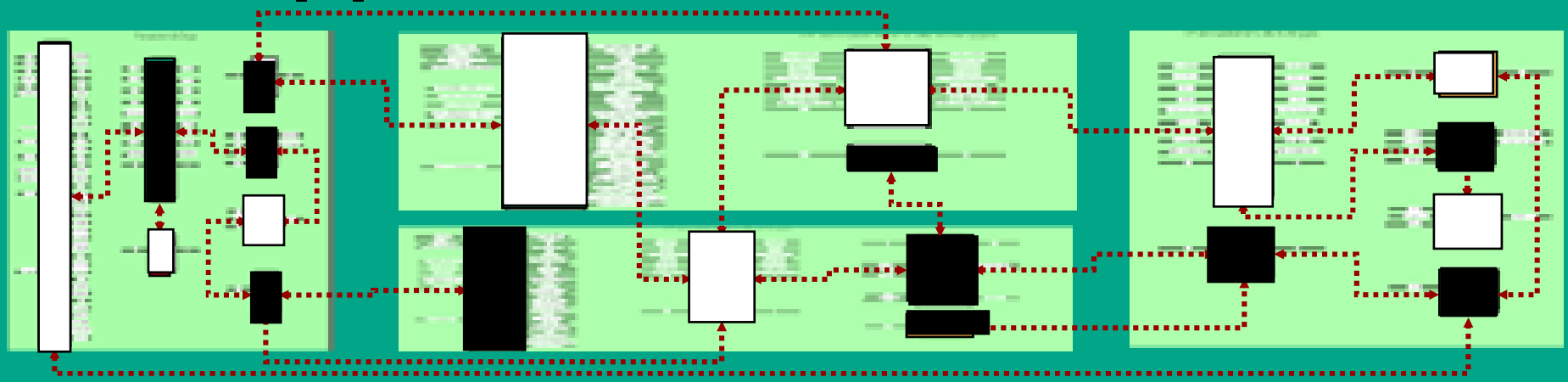
The analysis of an IT landscape regarding potential weaknesses, such as:

- high level of heterogeneity,
- many interfaces,
- lack of standard compliance

is done with the purpose to reduce costs and complexity, to improve business/IT alignment and reliability.



## Application Architecture



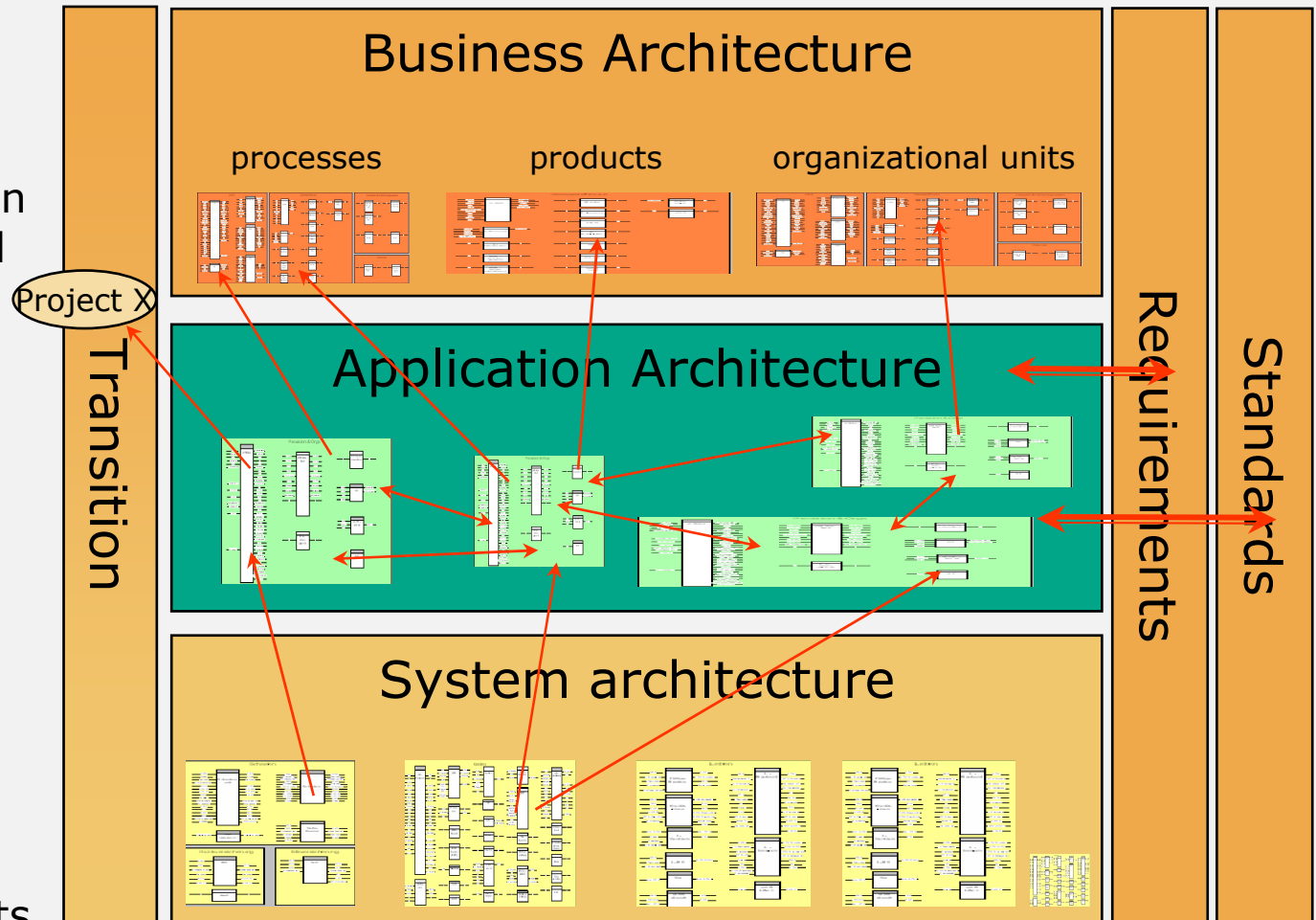
- Technology A
- Technology B
- Technology C

- compliant
- non-compliant

# Scenario: Optimization of the IT landscape

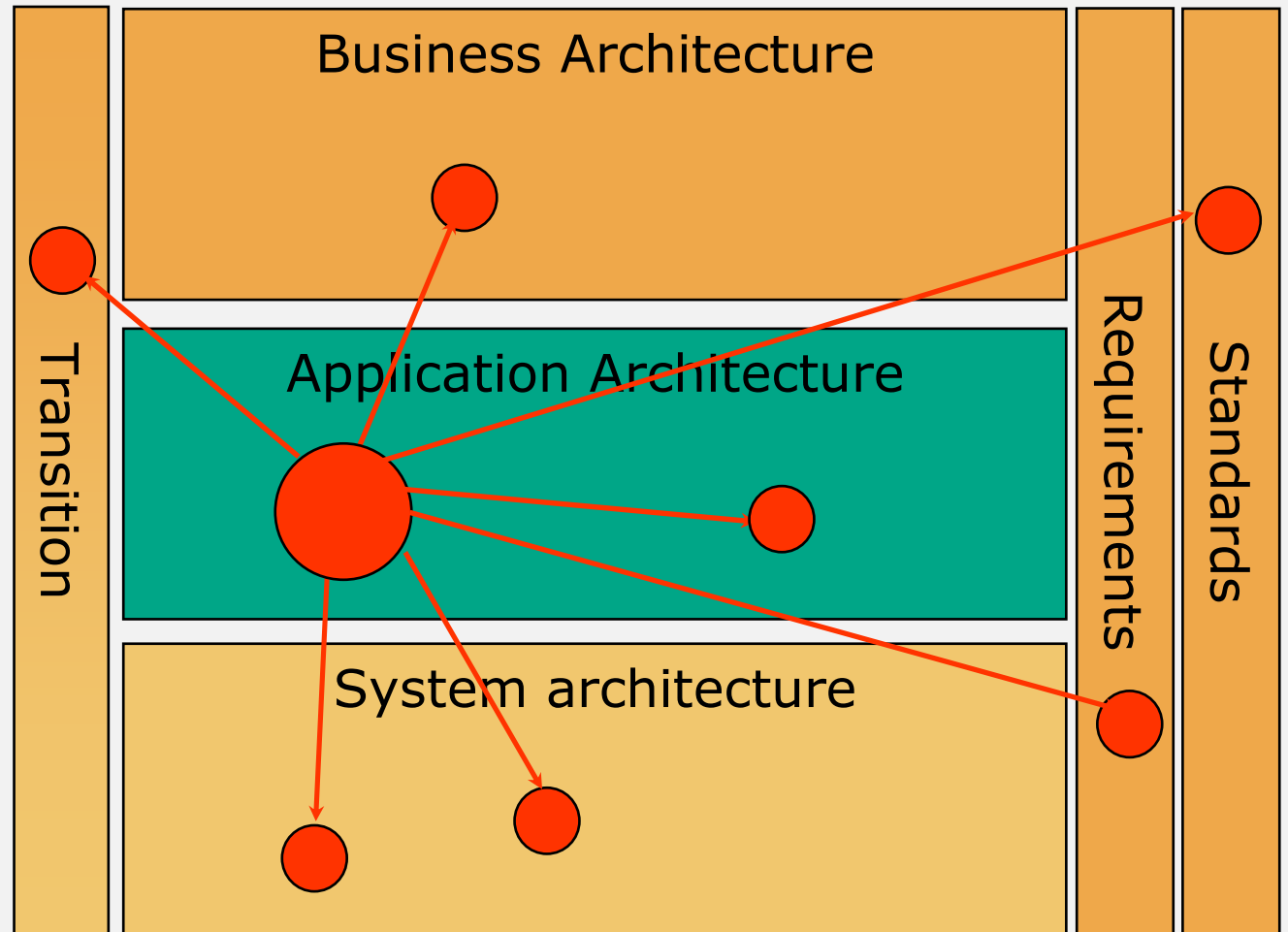
Within this analysis interaction and dependencies between components must be checked:

- ➔ Which processes, organisation units, products are supported by which application systems?
- ➔ Which dependencies are there within the application landscape?
- ➔ Which infrastructure is required for the operation of the application systems?
- ➔ Which projects are affected by possible changes?
- ➔ Which functional requirements and which standards must be considered?



## An Enterprise Architecture emerges ...

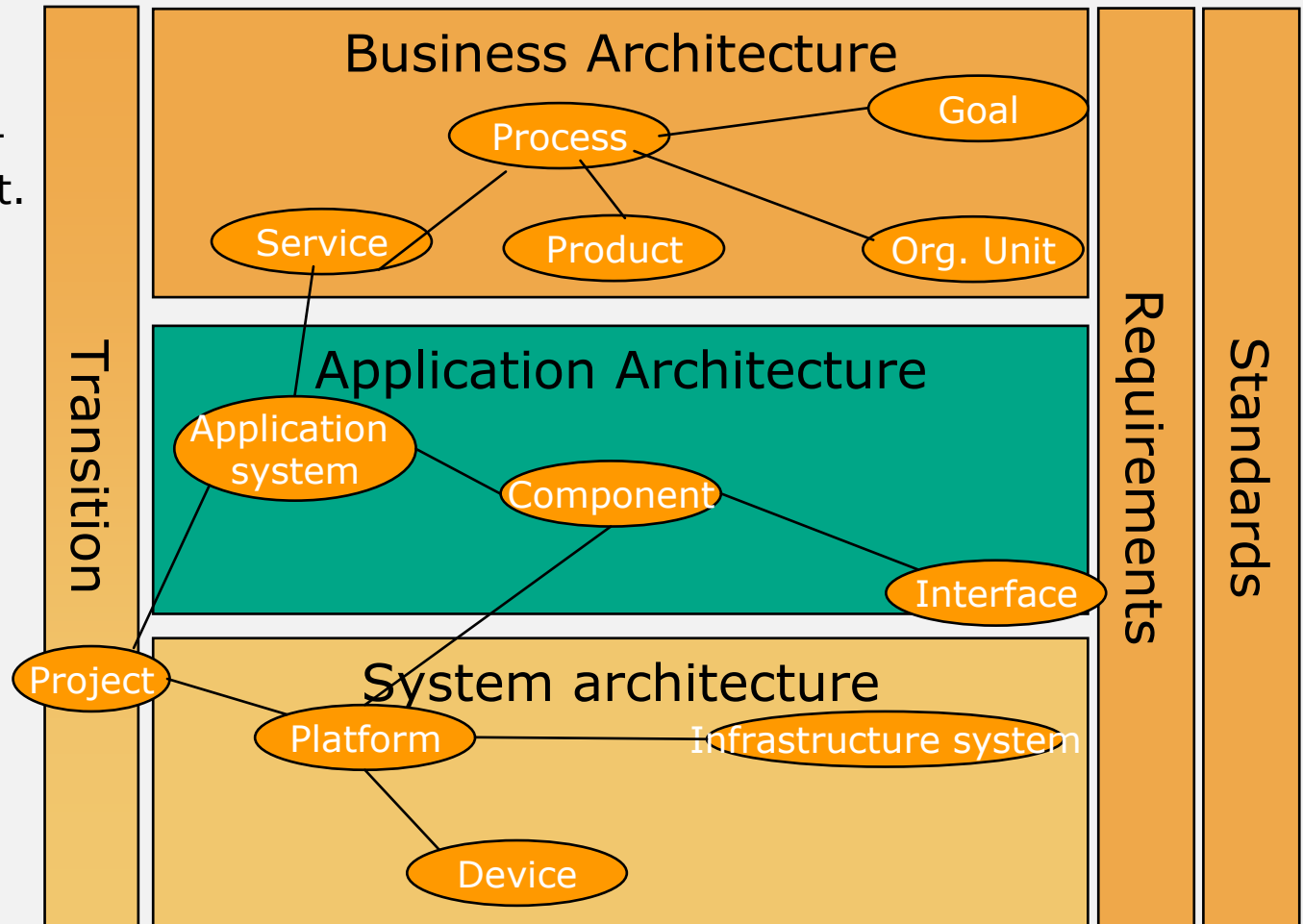
- in which the coherences between business, application, and infrastructure are documented.
- which depicts the requirements and standards as guard rails for a transformation process to improve business support.



# An Enterprise Architecture reveals relations

...and therewith supports the planning and controlling of change processes (transformation) in a complex environment.

The quality of each decision depends on the quality of the available information.



An Enterprise Architecture is a tactical system for the support of IT-management, it consolidates loose knowledge often only existing in isolated brains and makes it generally available.

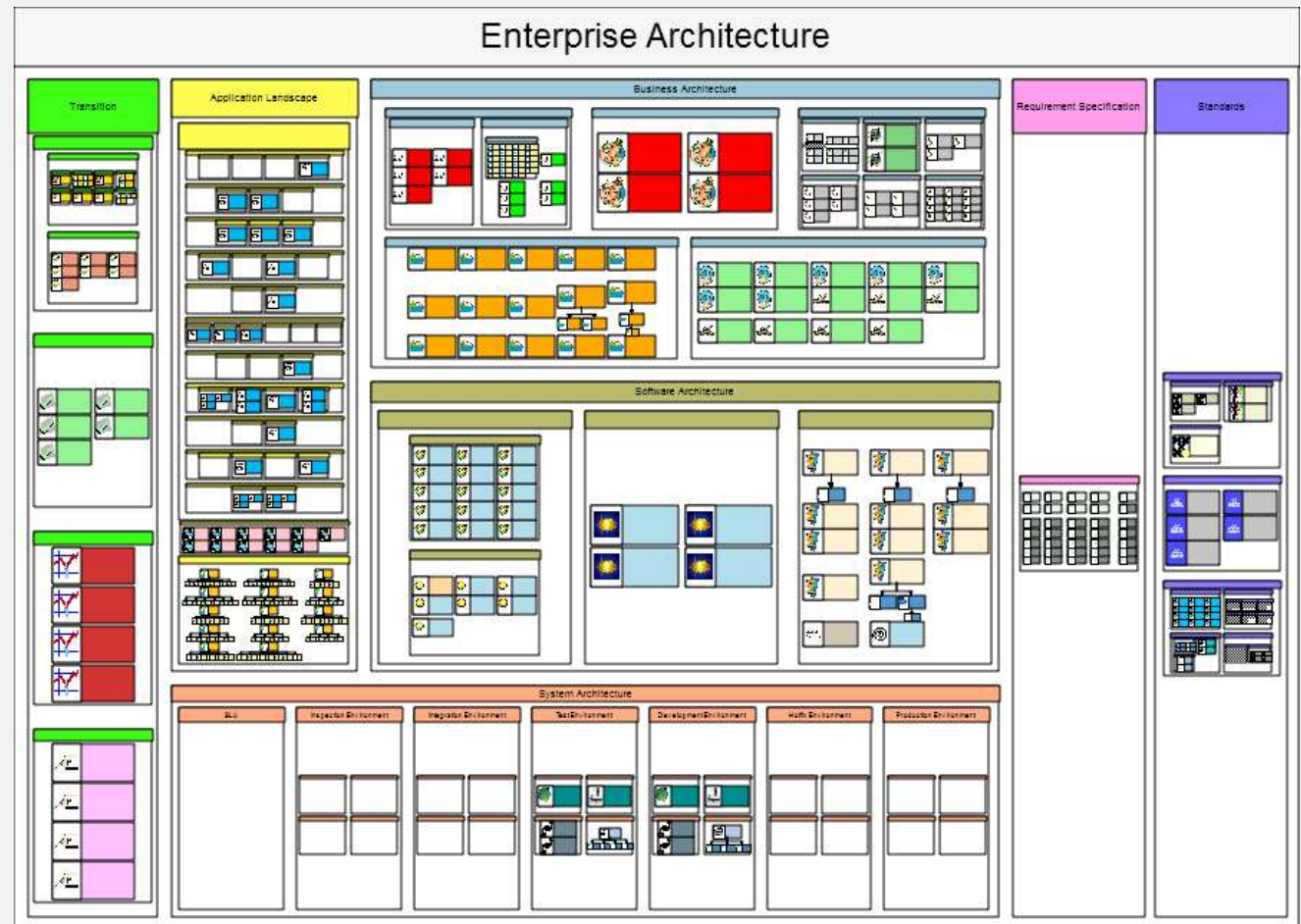
# An Enterprise Architecture reveals relations

But:

Continuous maintenance and actualization are needed.

The necessary knowledge is generated by the daily work – the point is to integrate the maintenance of the Enterprise Architecture into ongoing processes.

There is no lack of information, only a lack of consolidated information.

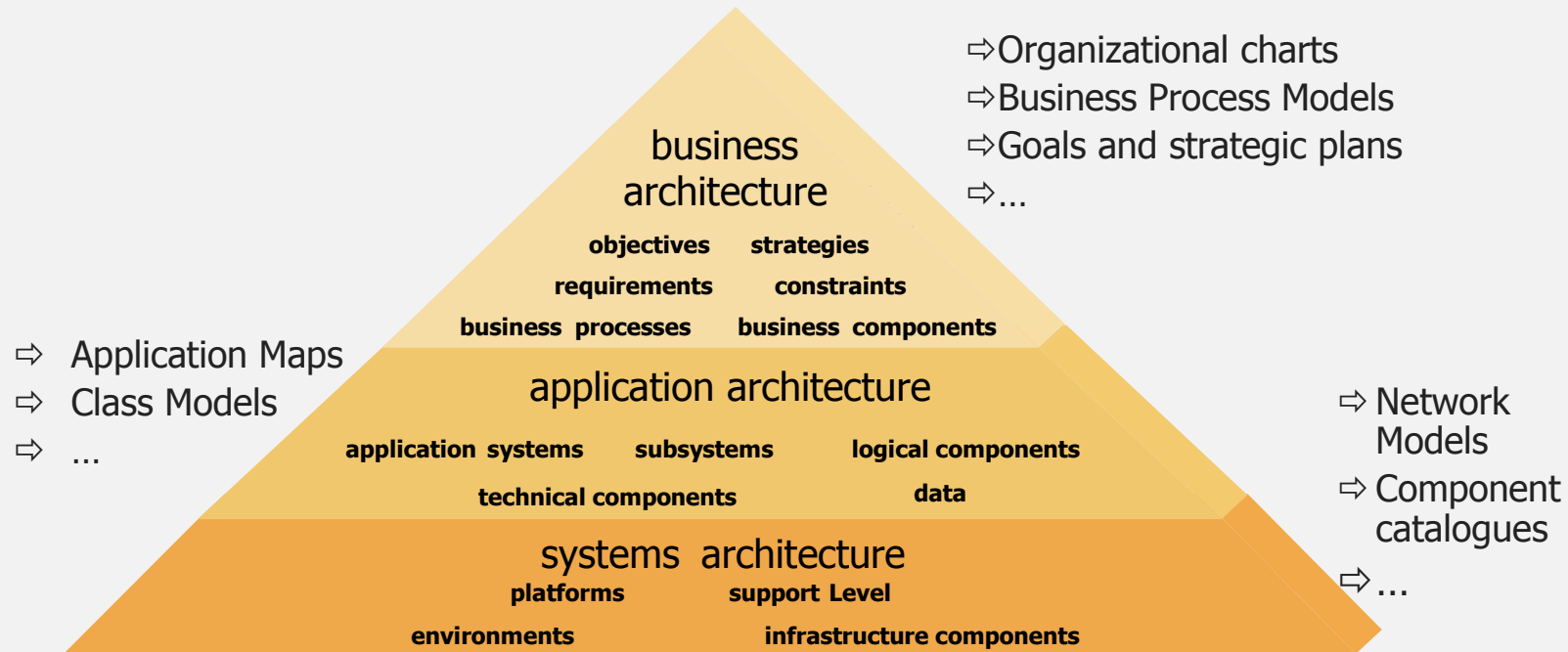


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# What is an Enterprise Architecture?

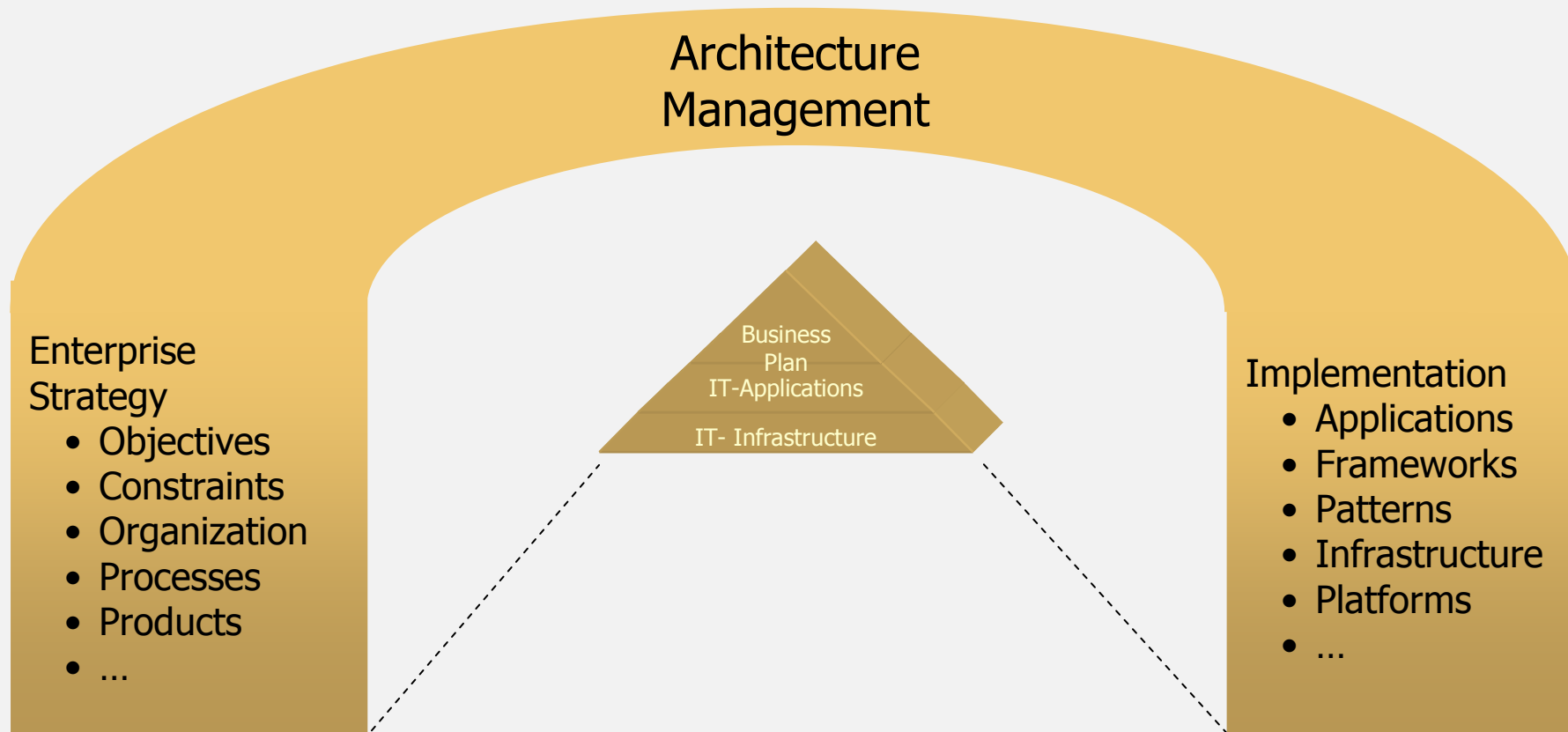
An Enterprise Architecture is a structured and aligned collection of plans for the design of the IT-landscape of a company



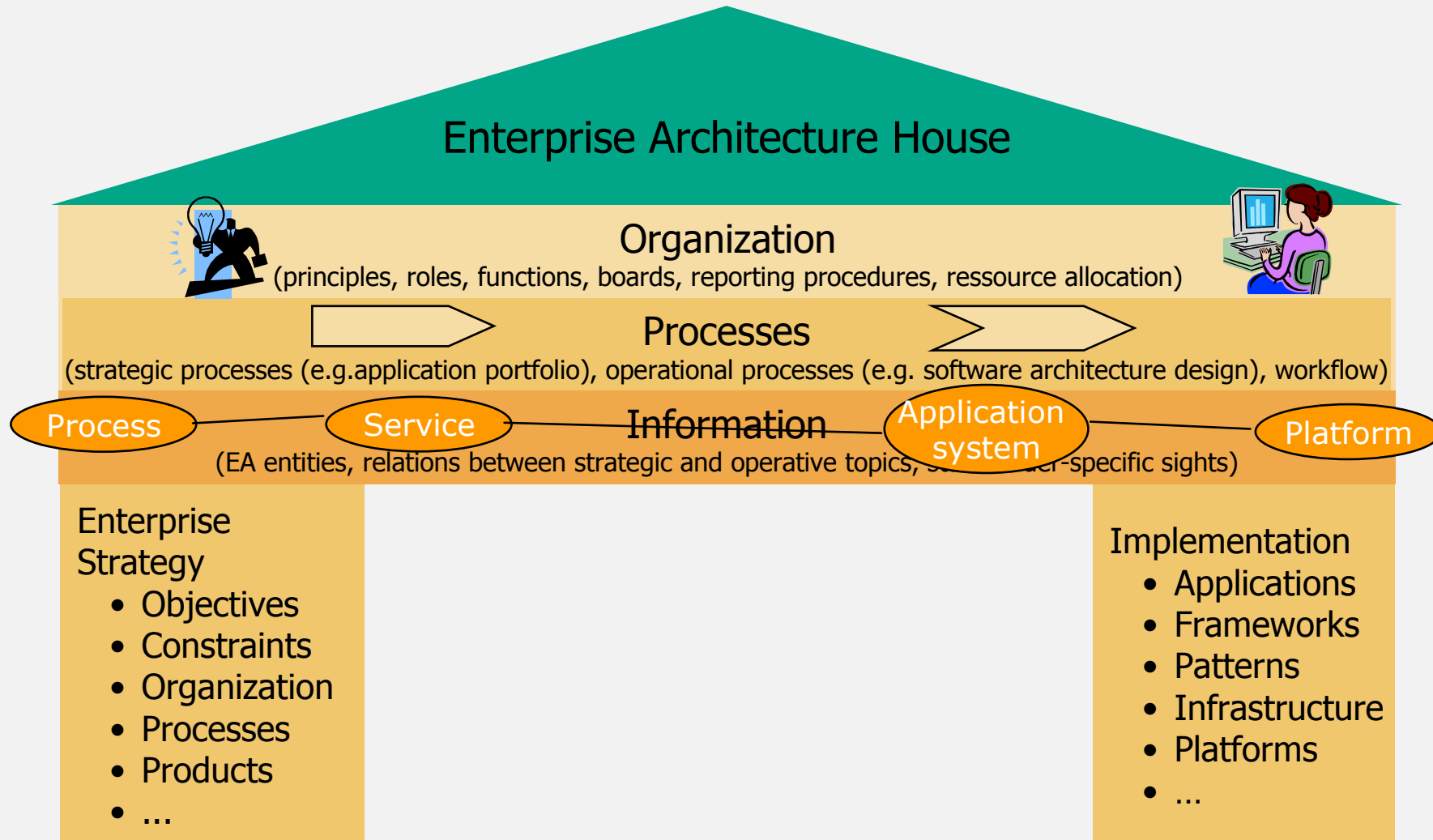
- ⇒ which represents in various details and sights,
- ⇒ structured in architectural levels (business, application-, and systems architecture),
- ⇒ adjusted to special stakeholders (i.e. managers, planners, clients, designers),
- ⇒ all aspects of IT-systems (e.g. data, functions, interfaces, platforms, networks),
- ⇒ and their embedding into the business (e.g. goals, strategies, business processes,
- ⇒ in past, current, and future specifications

## Architecture Management: From Strategy to Implementation

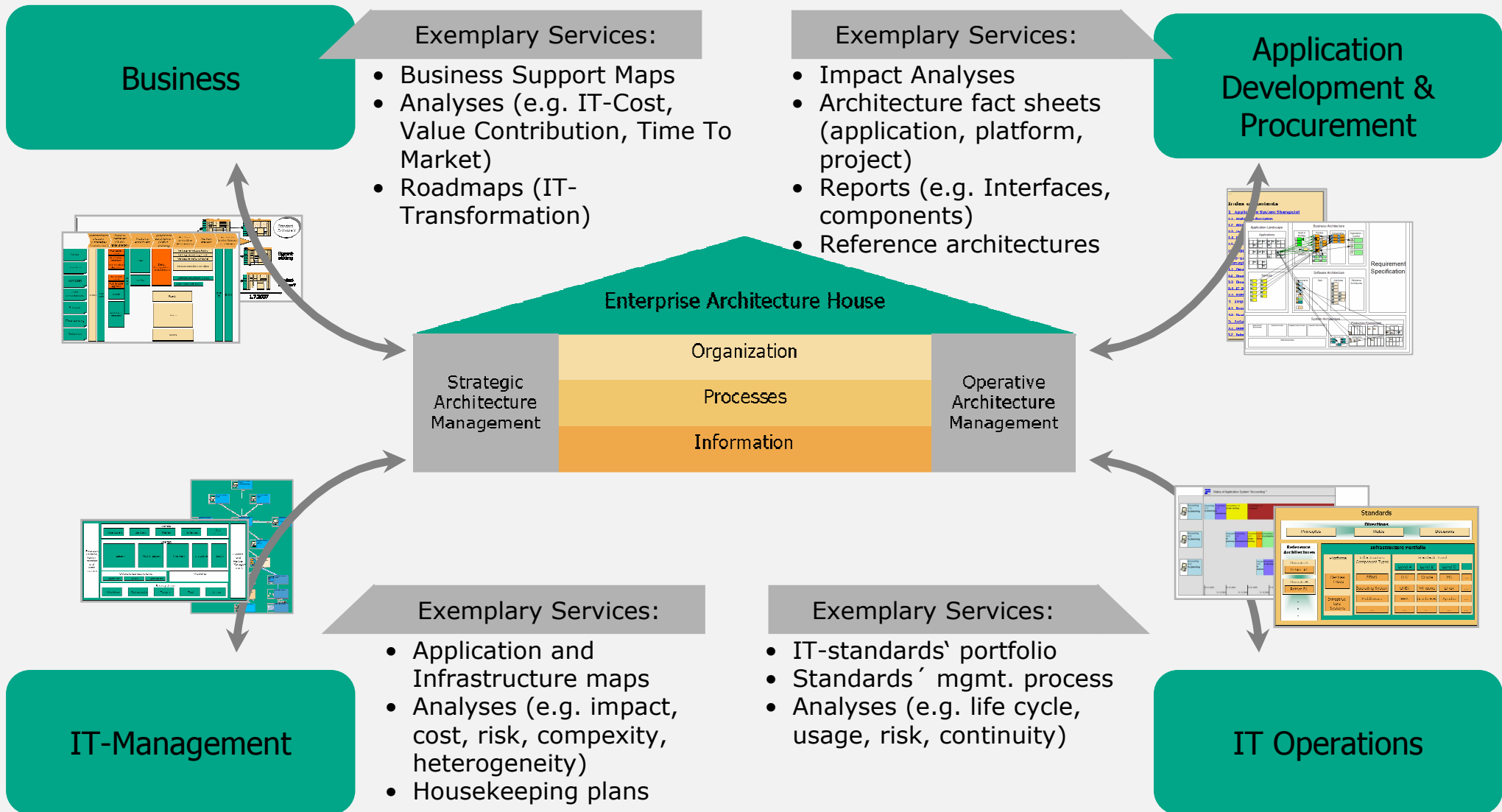
- ❑ Architecture management as a management discipline covers planning, organization, controlling and steering of enterprise architecture development.
- ❑ Architecture management aligns IT to the business and ensures the correct and reliable transformation from strategy to implementation



# “Bridging the gap”



# Customers and Markets of Enterprise Architecture Management



# Example: EA Model Maintenance

EA model maintenance as a prerequisite for effective transformation planning is done through the following channels:

- ⇒ Automatically from electronic sources. Share depends on overall IT maturity, process integration and culture.
- ⇒ Manually by architects.
- ⇒ By data stewards embedded into daily work.

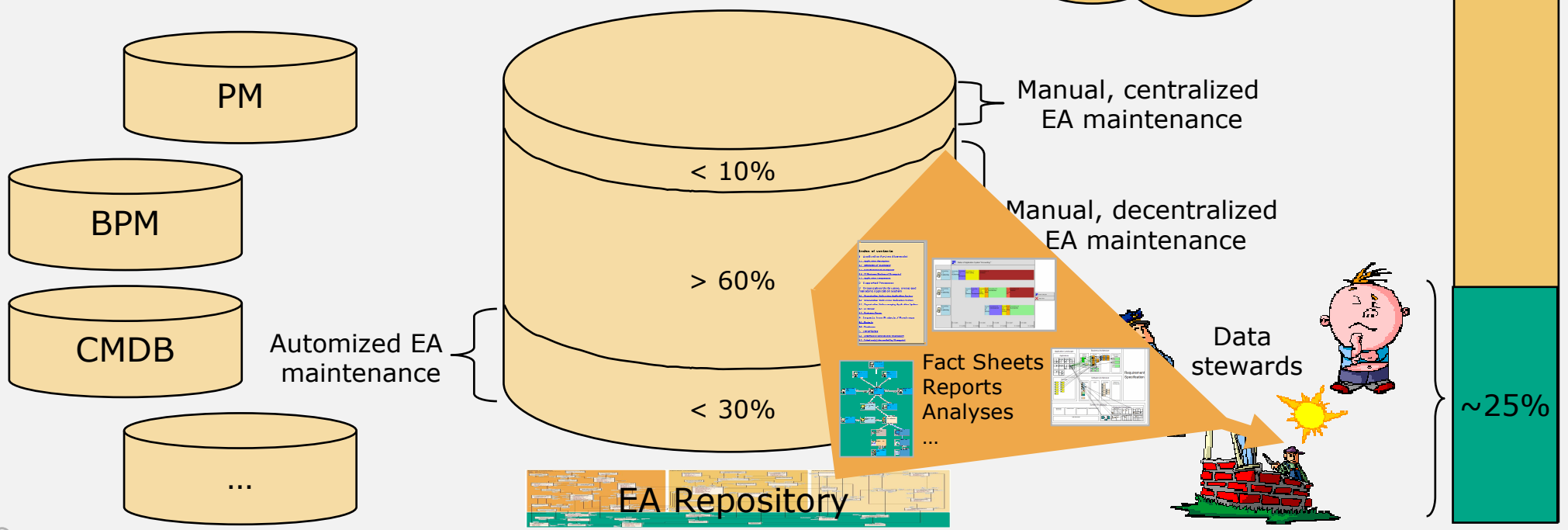


Architecture Management

IT-Staff

~3-4%

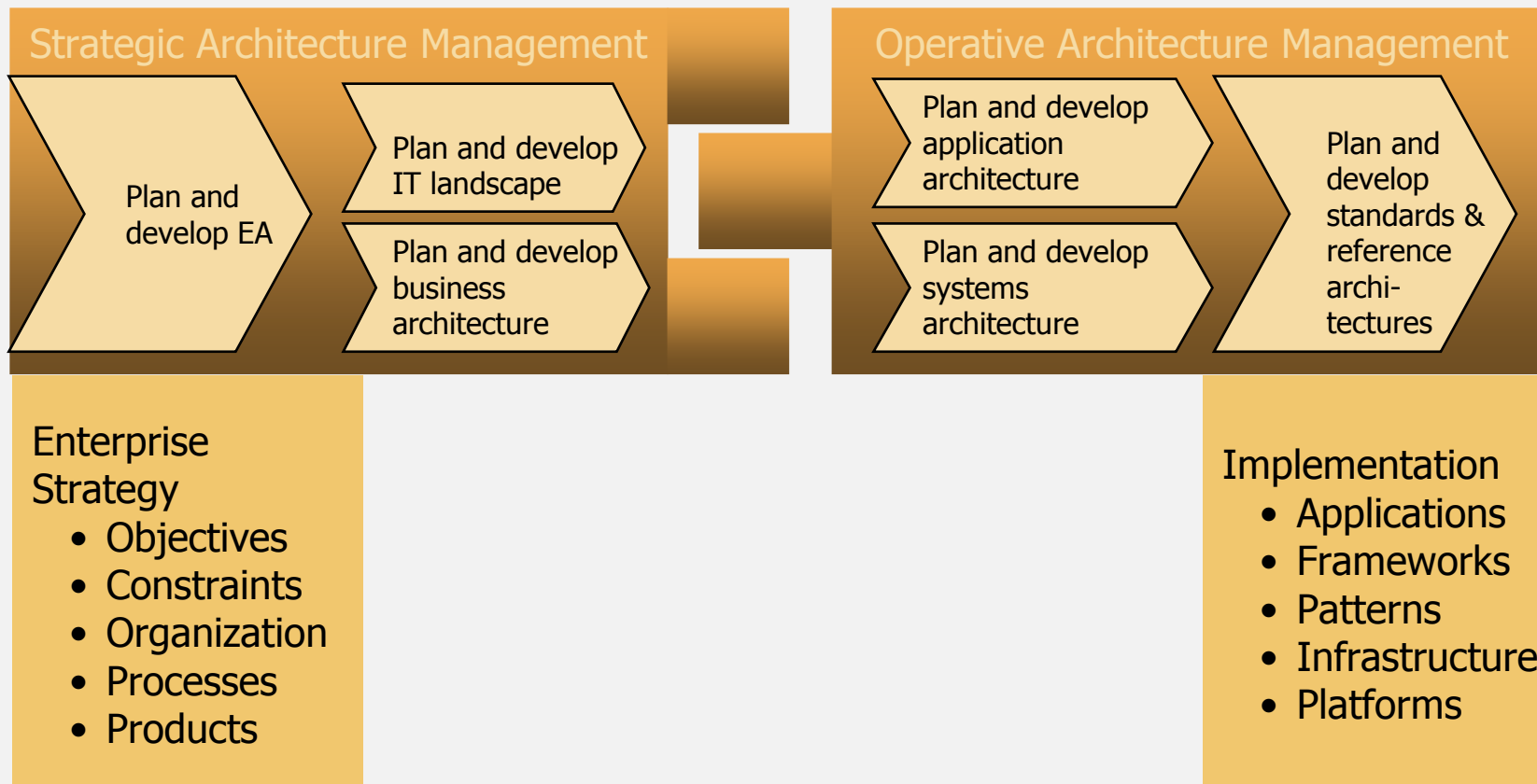
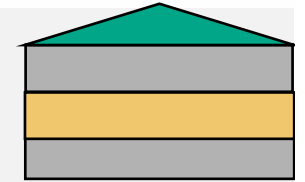
Let 250 people work for free to provide toys for 40 architects!



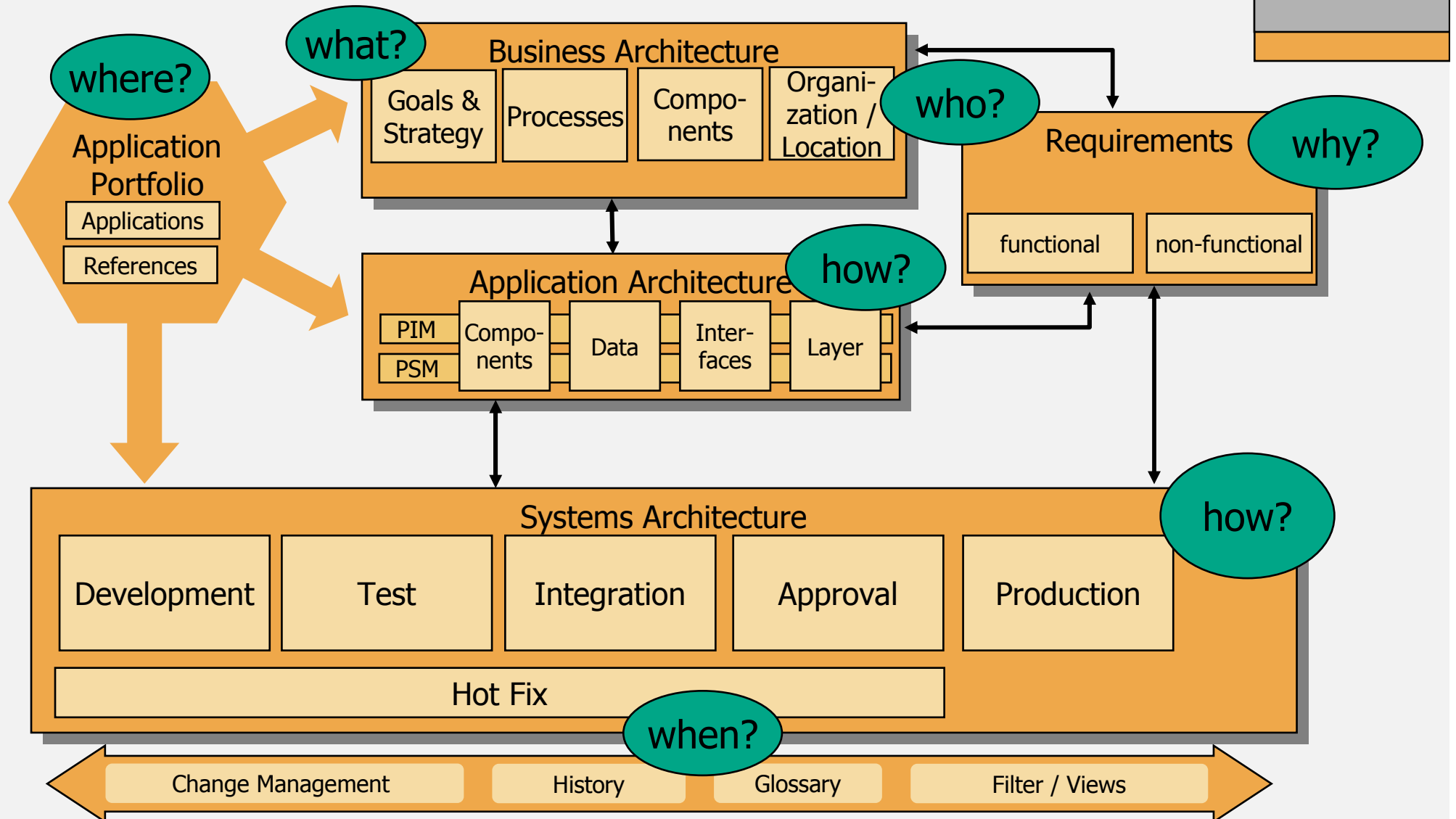
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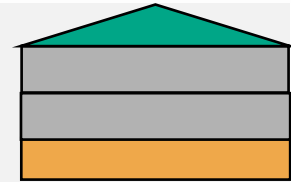
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# Architecture Management Processes



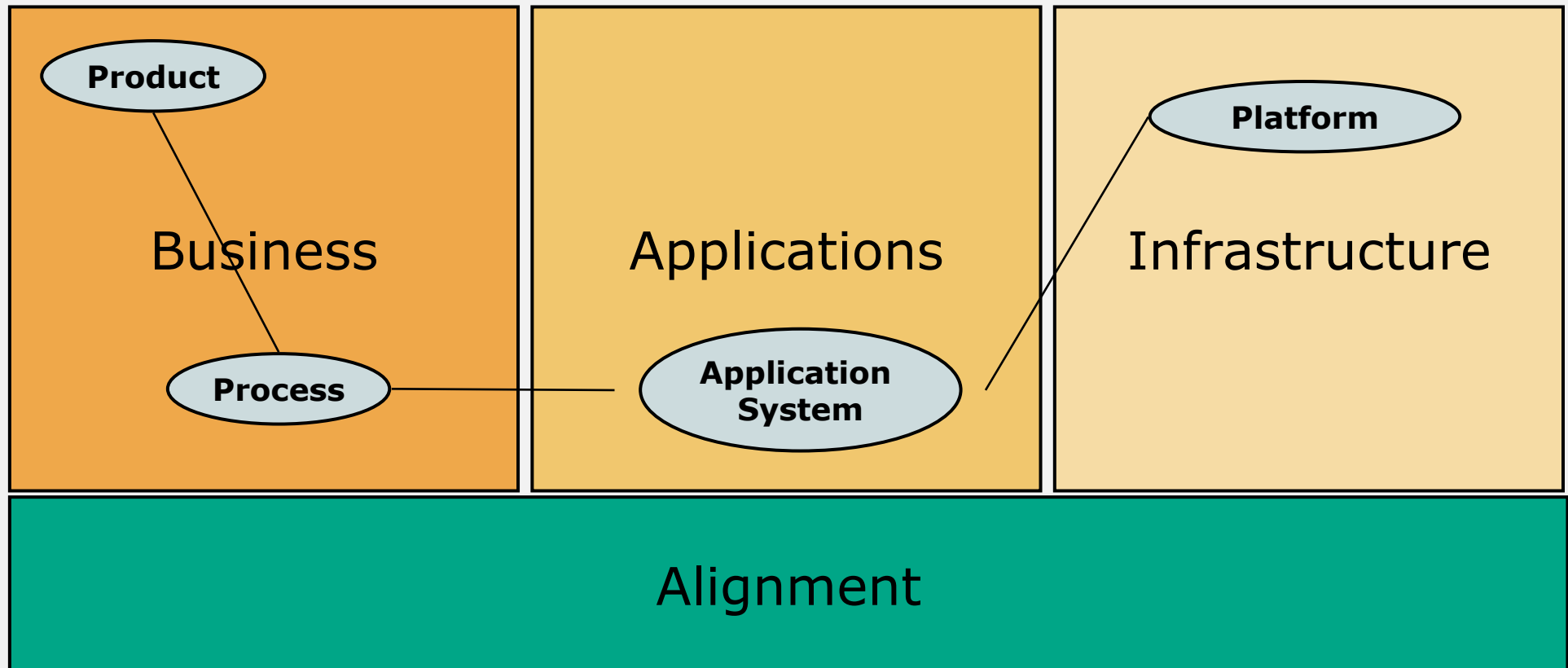
# Information Structure of Enterprise Architecture



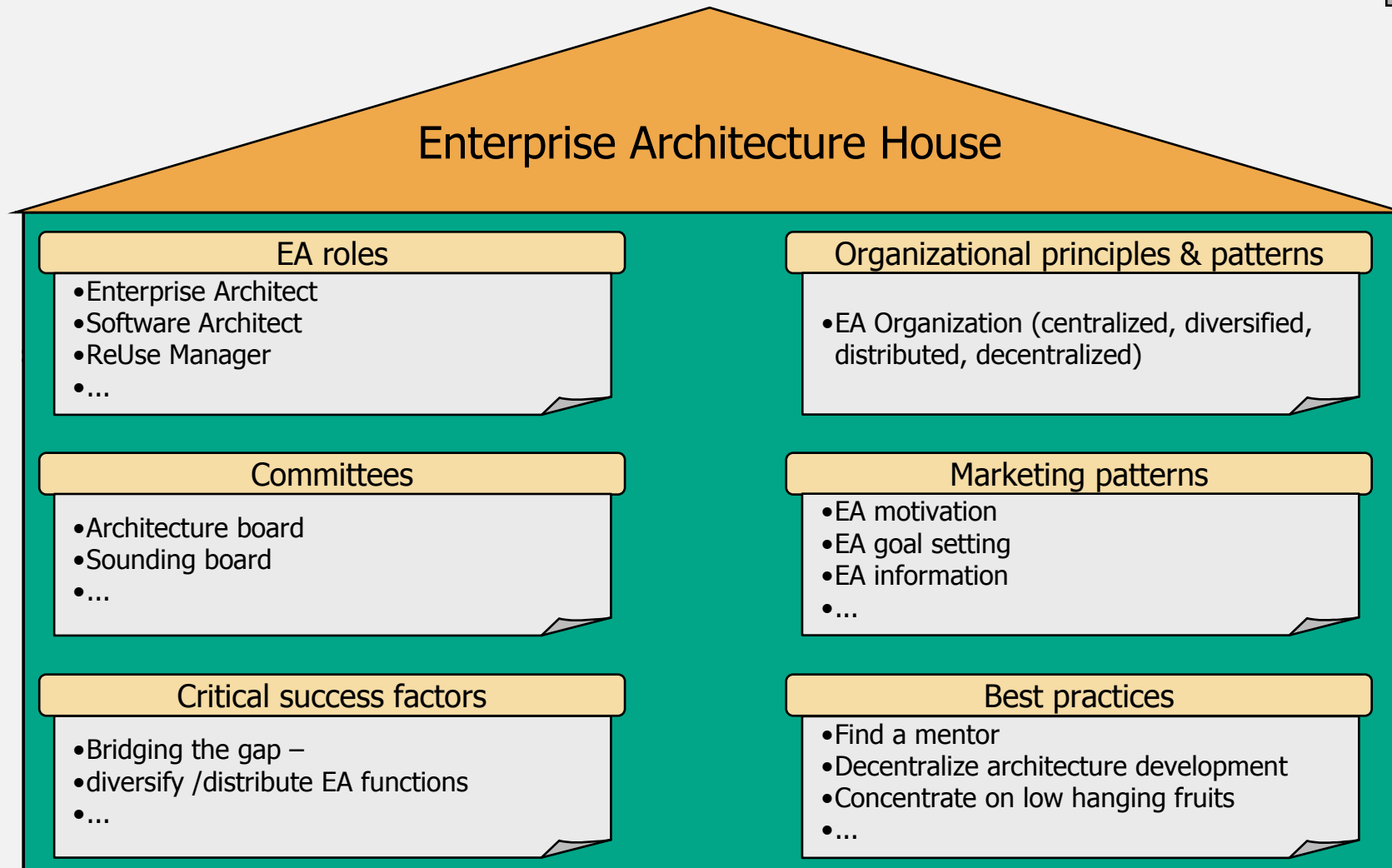
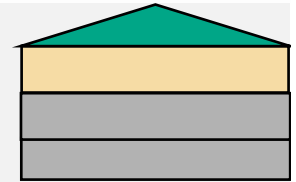


## EA Meta Model

- ❑ Documentation of correlations between business, IT – applications and IT-infrastructure
- ❑ This model is the “map of maps” and aggregates existing models



# Organization of Enterprise Architecture

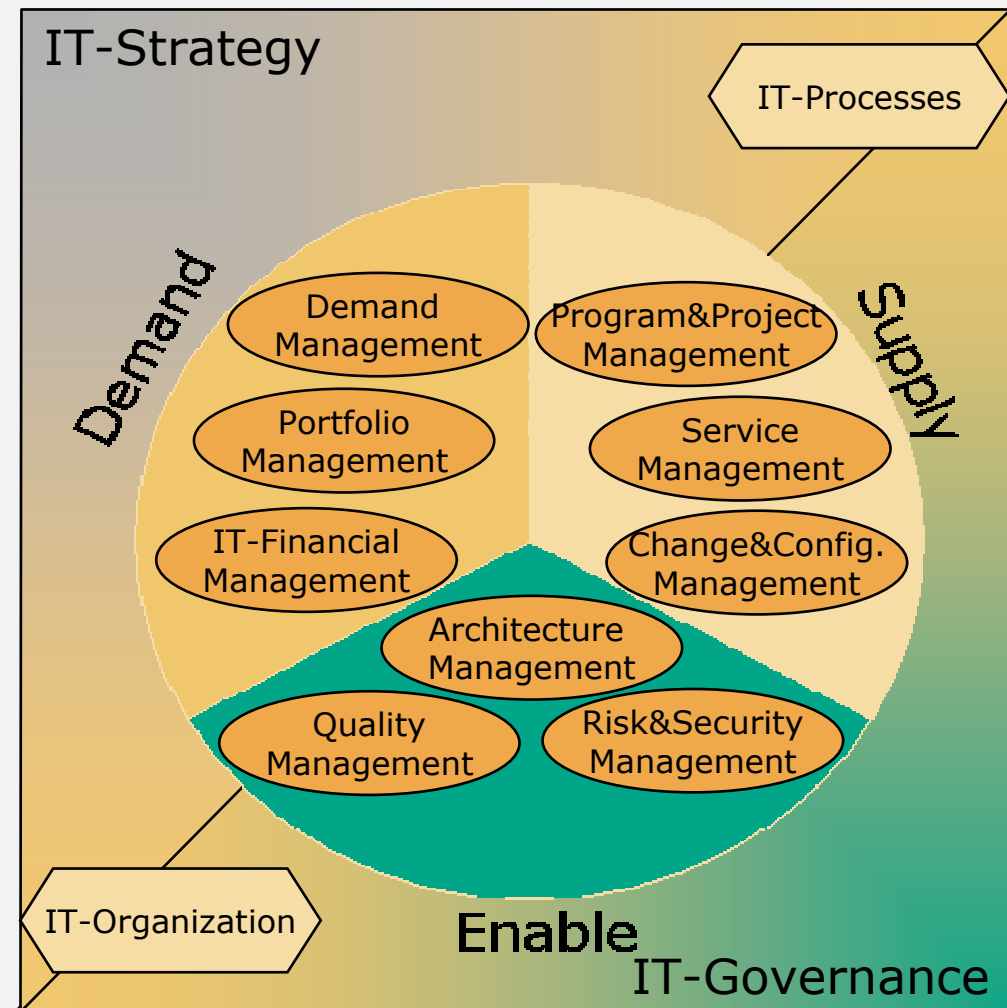
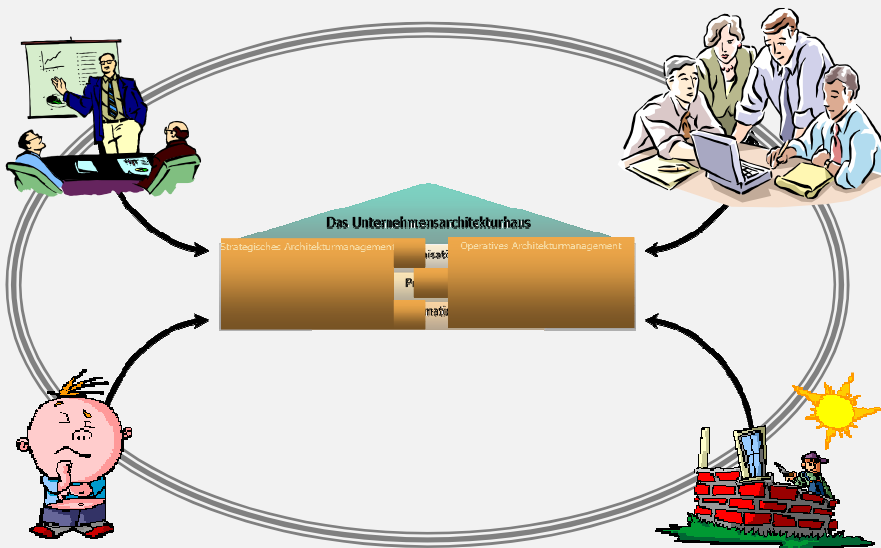


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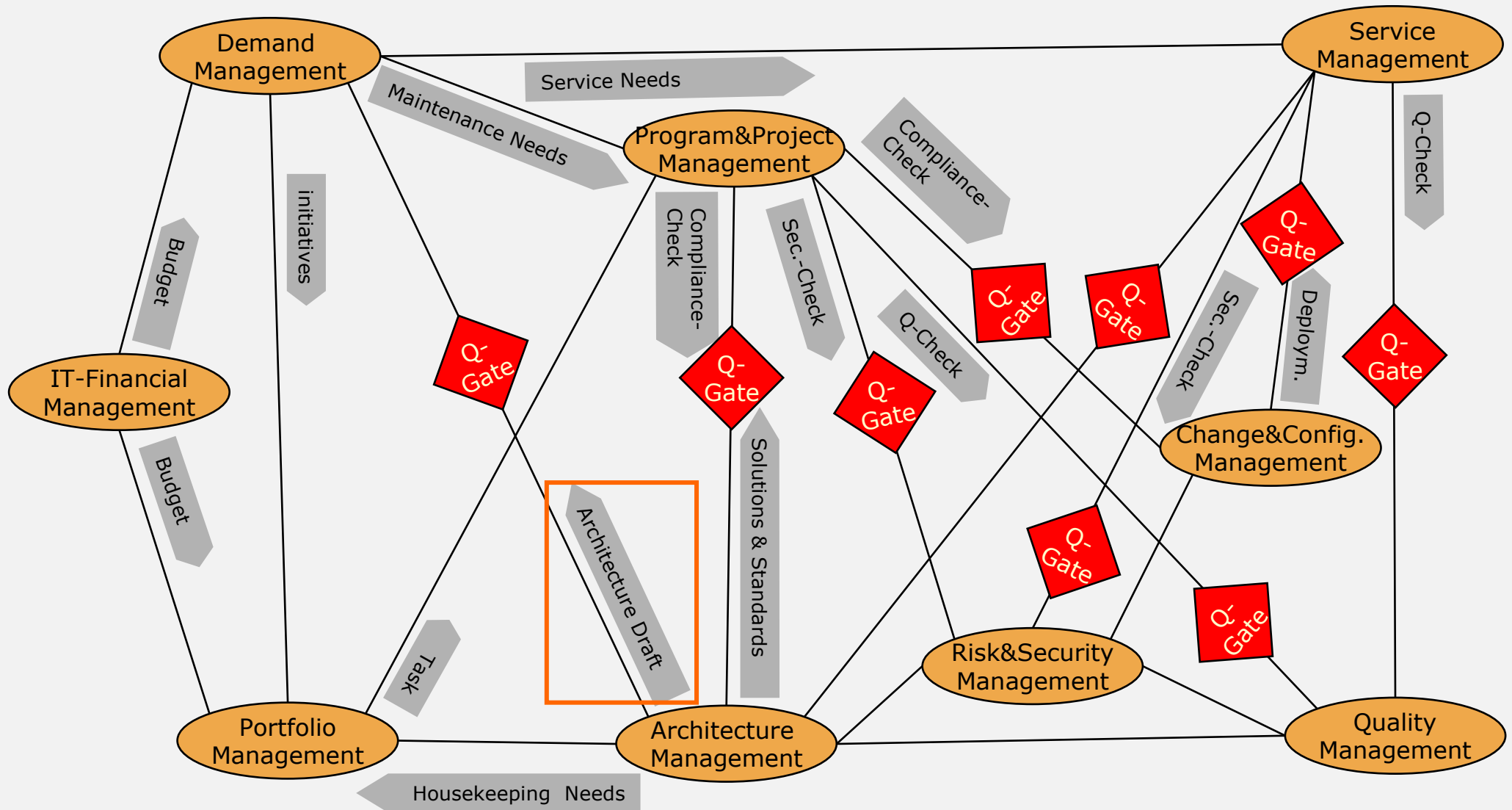
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# A comprehensive Architecture Management is ...

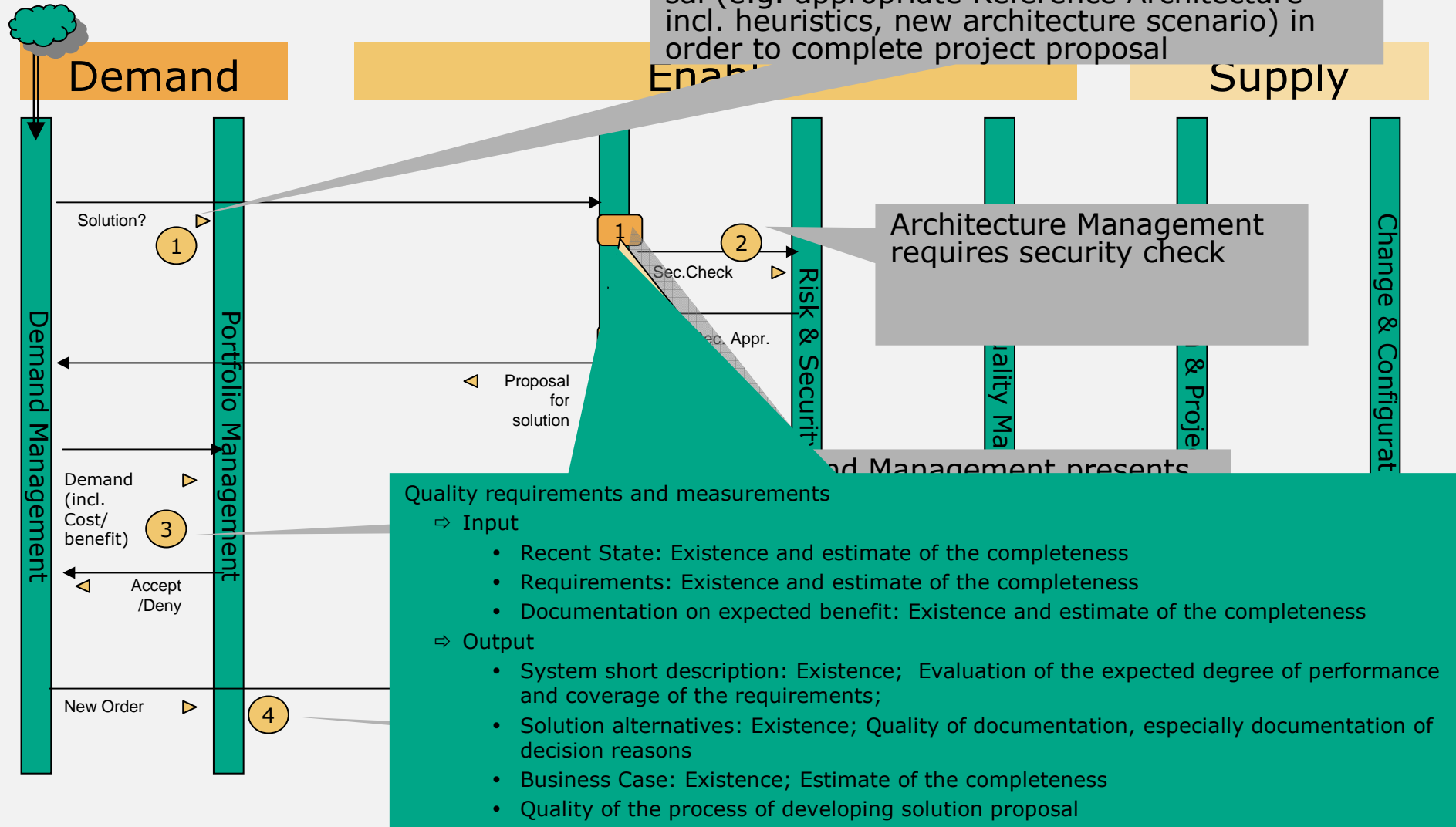
- Customer- and value-oriented.
- Operatively and strategically aligned.
- Cross-linked with other IT Management Processes.



# Cross-linking of IT Management Processes I



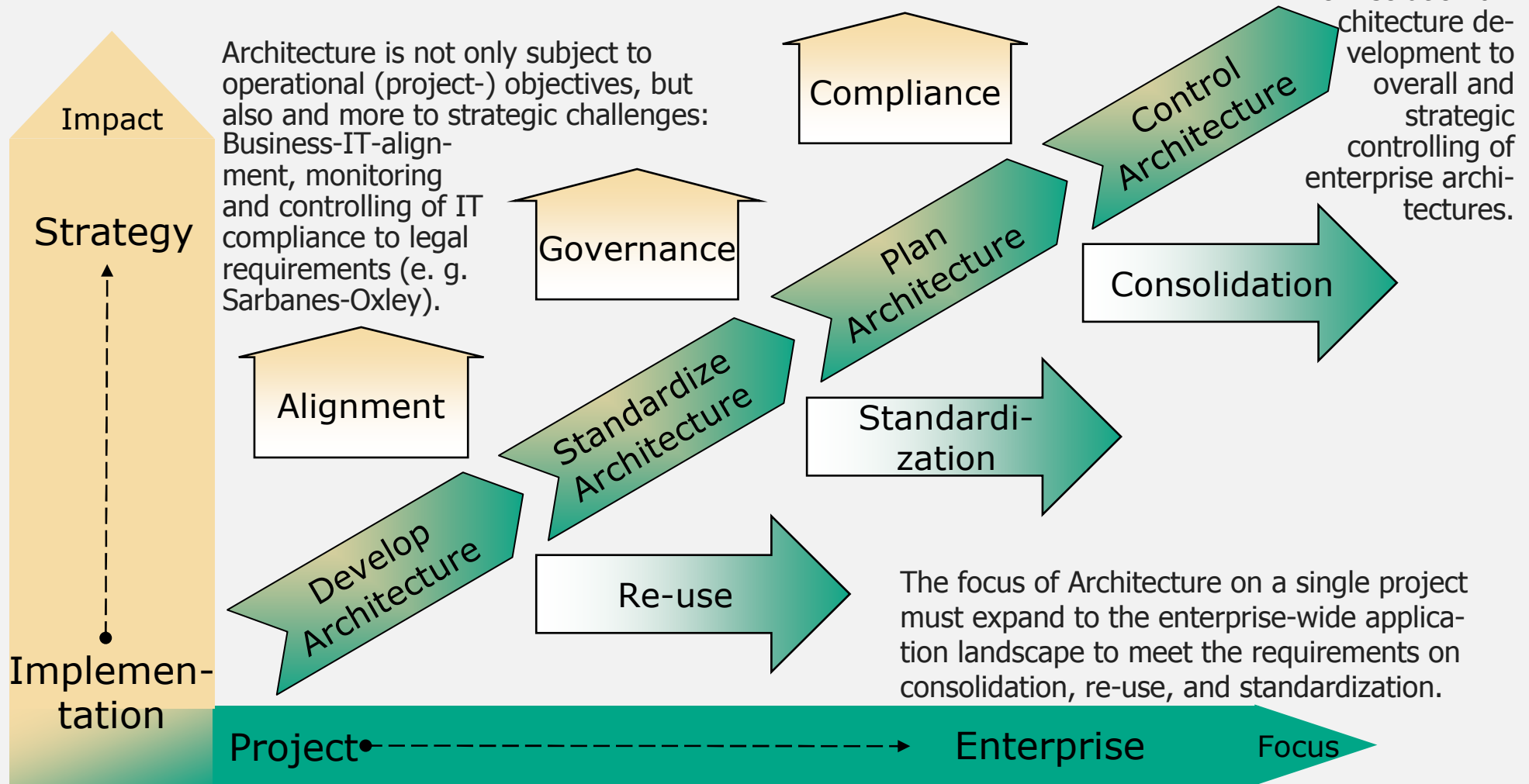
# Cross-linking of IT Management Processes II: Project Initialization (Example)



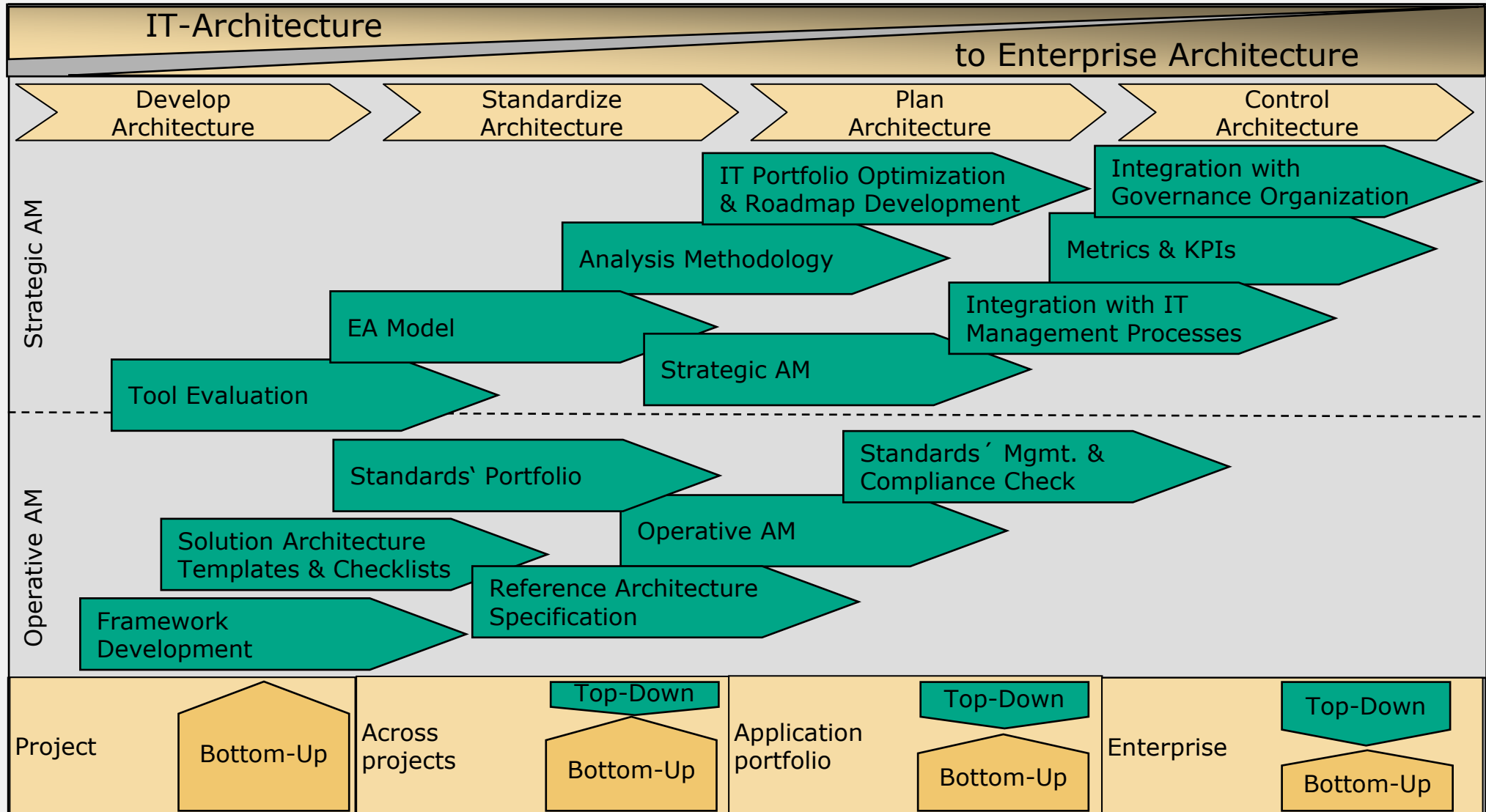
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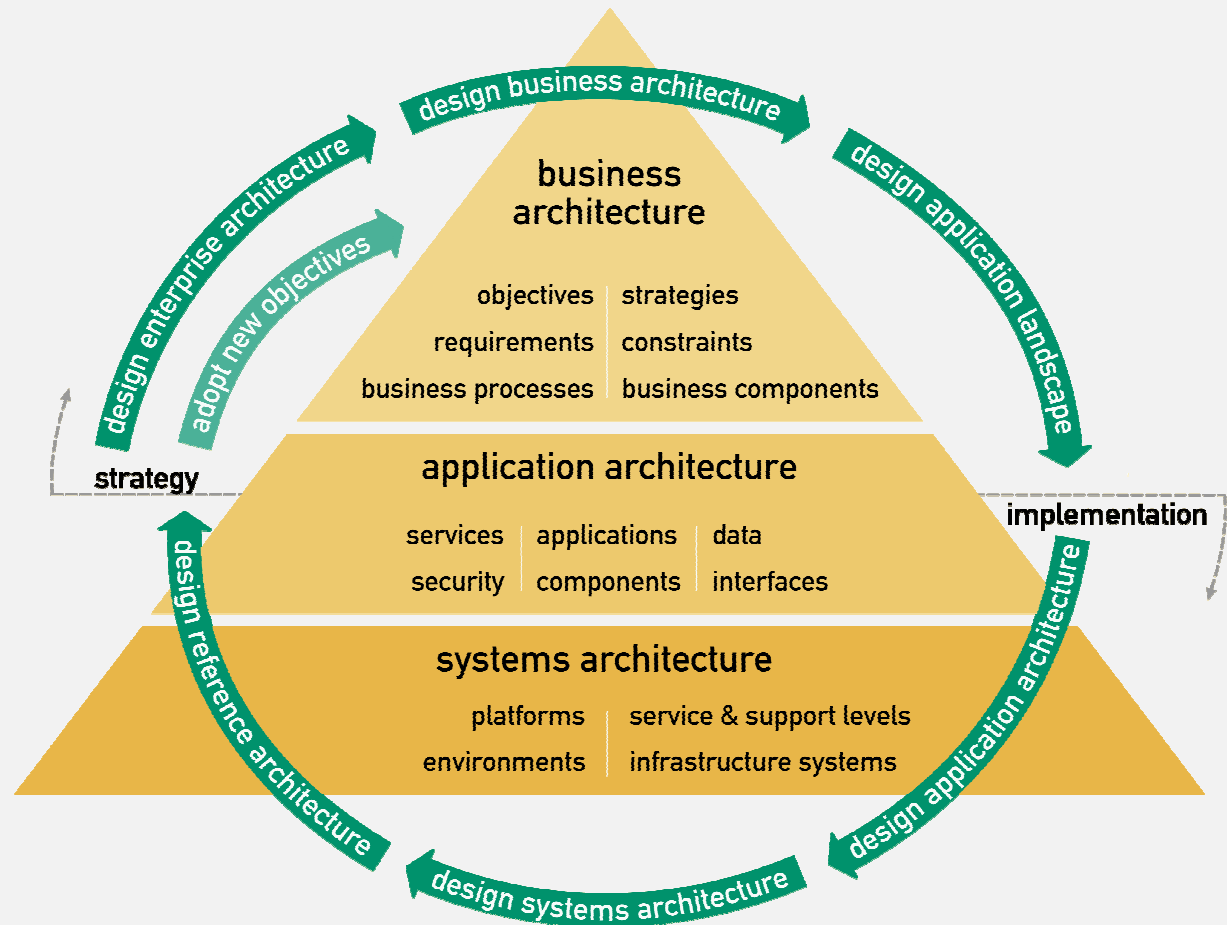
# Growing Significance of Architecture



# Roadmap: From ...



# Thank you for your attention !



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