

# Vision on Architecture

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## Abstract

Architecture is a term that is used with various meanings. This presentation shows the broader view on architecture as used at Gaudisite.nl. This vision includes customer value proposition and business proposition as part of the architecture.

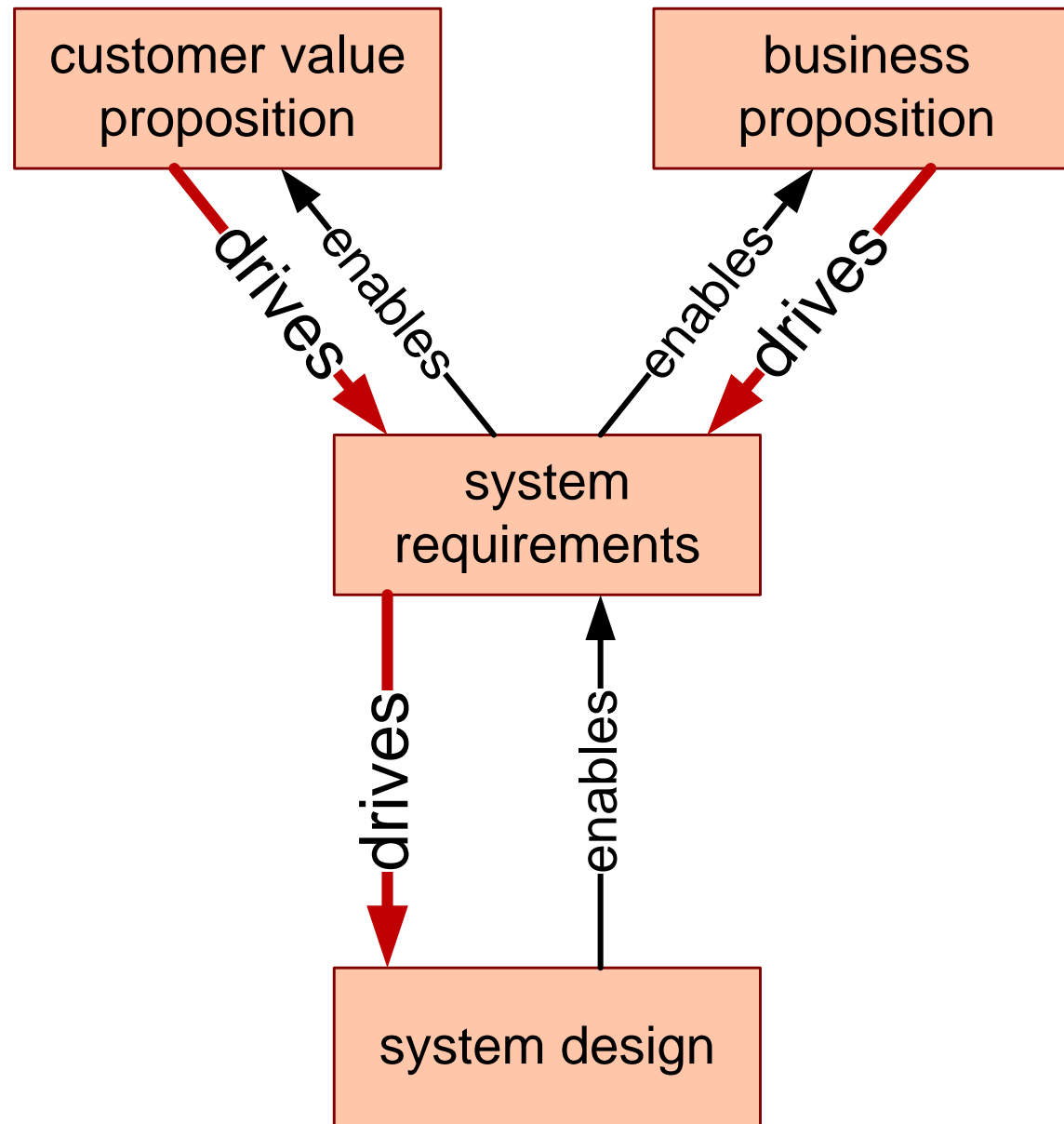
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June 23, 2016  
status: planned  
version: 0.2

logo  
TBD

# Architecture Top View



## *Market and Business Context*

- continuously changing competitive landscape
- fast changing needs
- variation in needs

consequence: uncertainties and unknowns

Objective of Architecture is to achieve Technical Leadership (e.g., a winning competitive position)

A good architecture facilitates fast creation of solutions, fitting the needs, and coping with uncertainties and unknowns

# Our Primary Interest

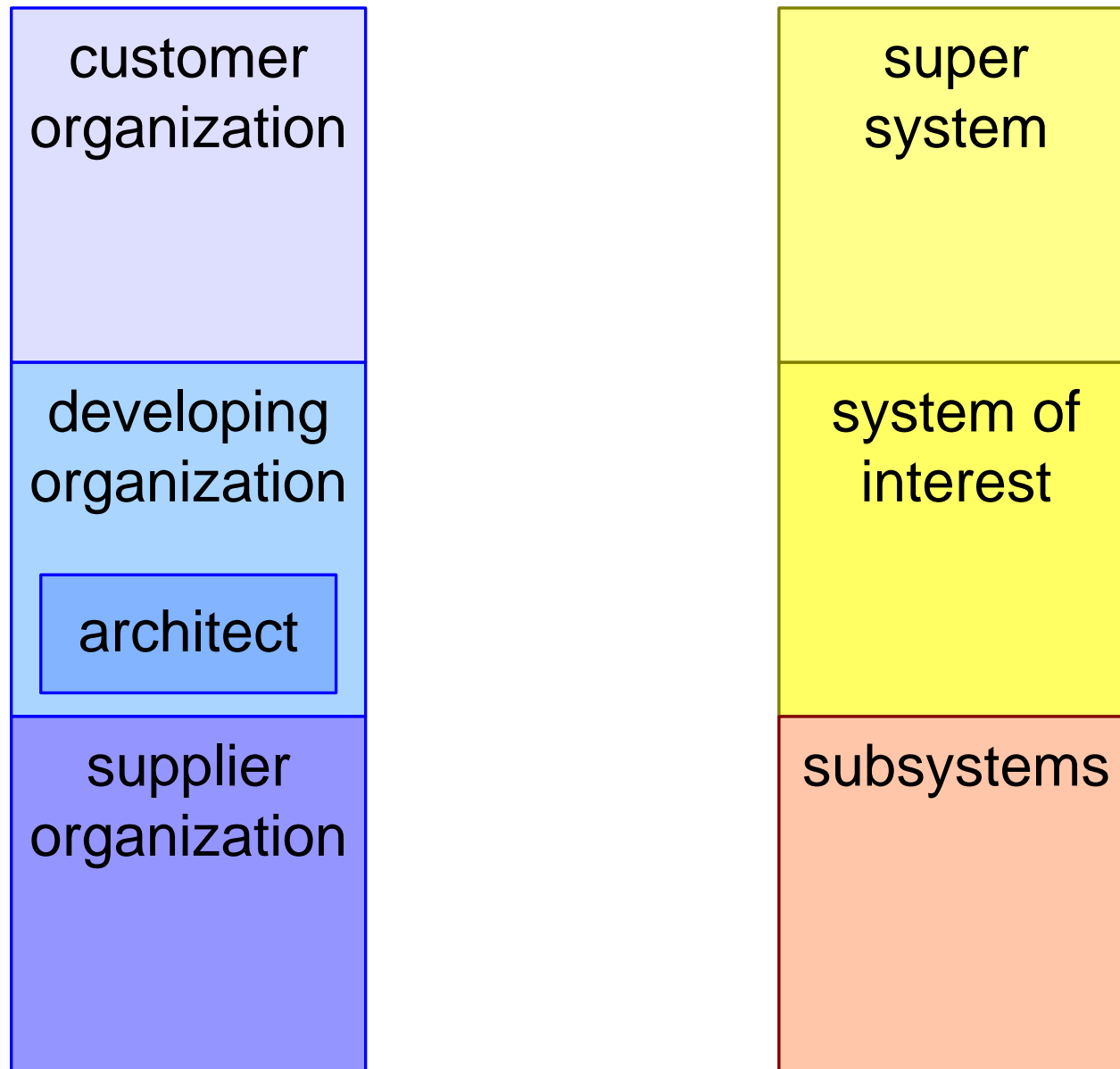
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developing  
organization

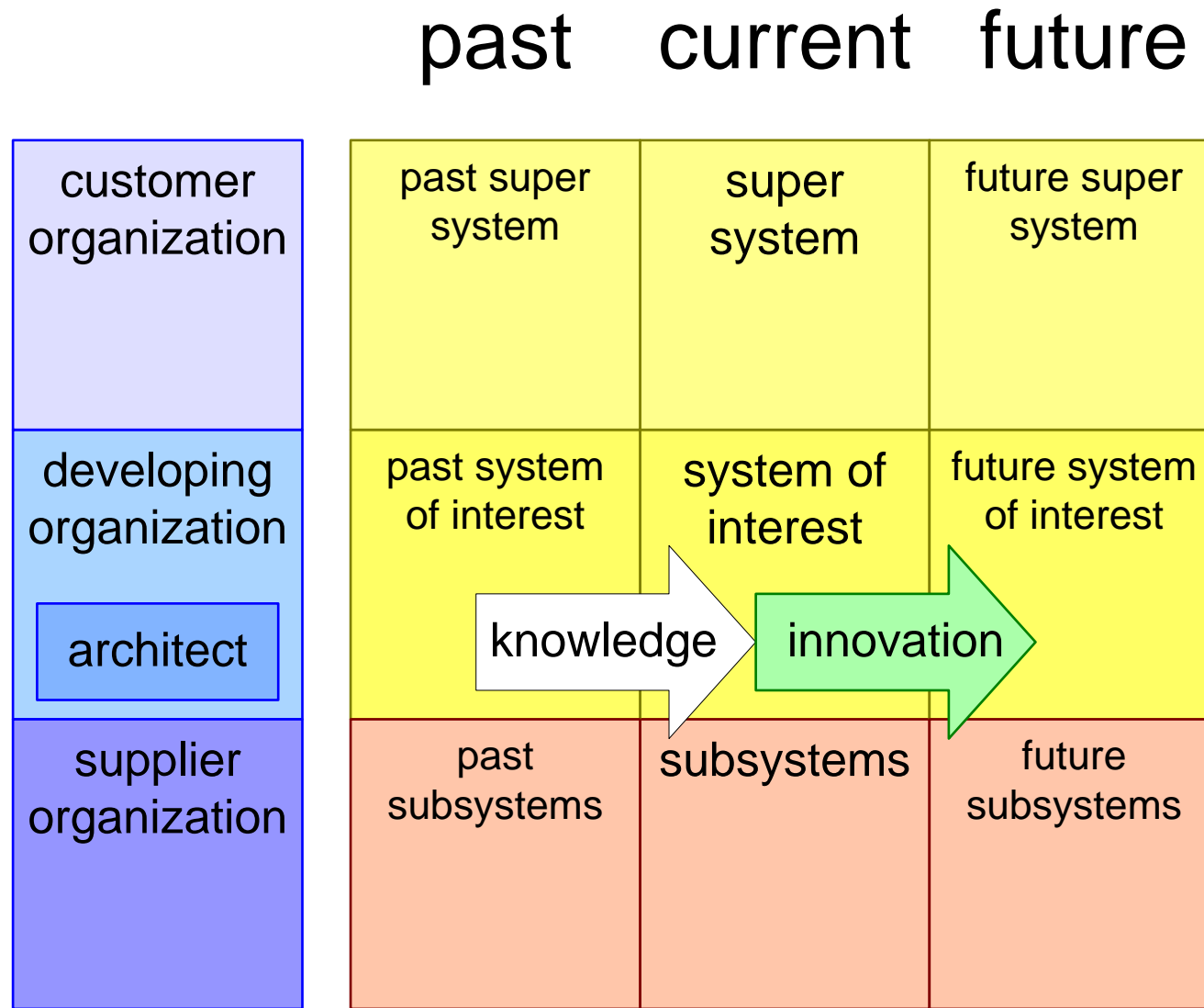
architect

system of  
interest

# Context, Zoom-out and Zoom-in

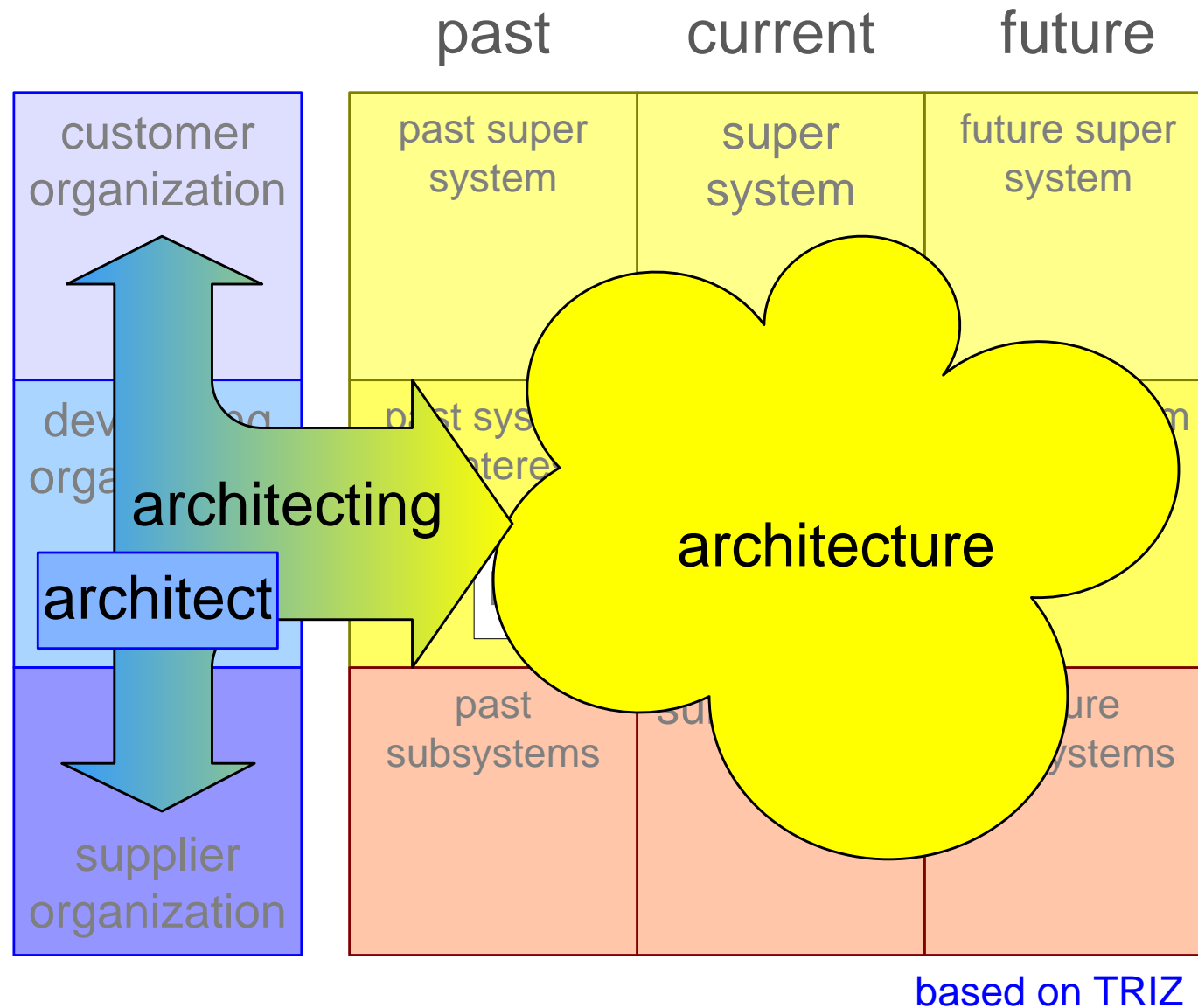


# Adding the Time Dimension

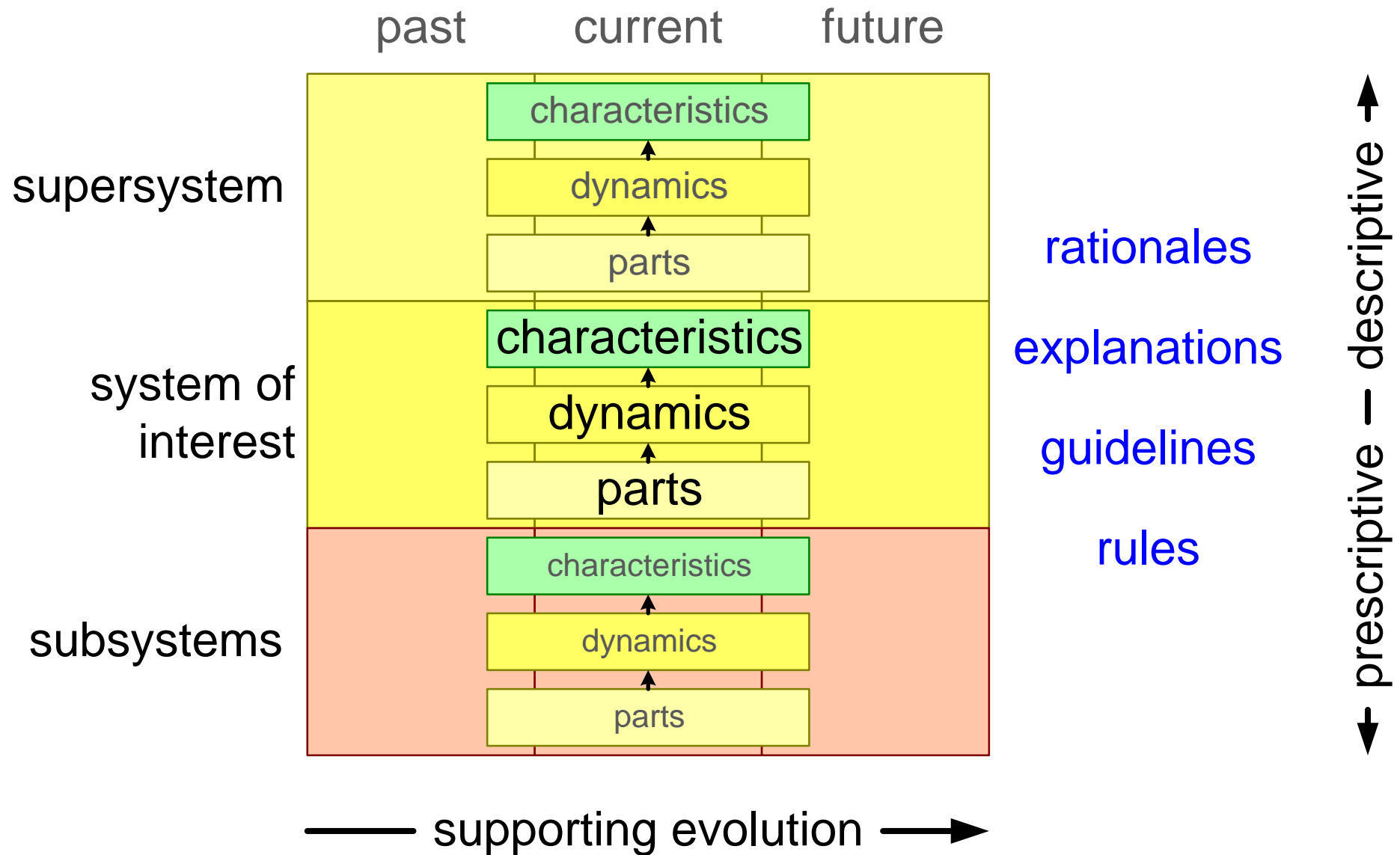


based on TRIZ

# Architect, Architecture, Architecting

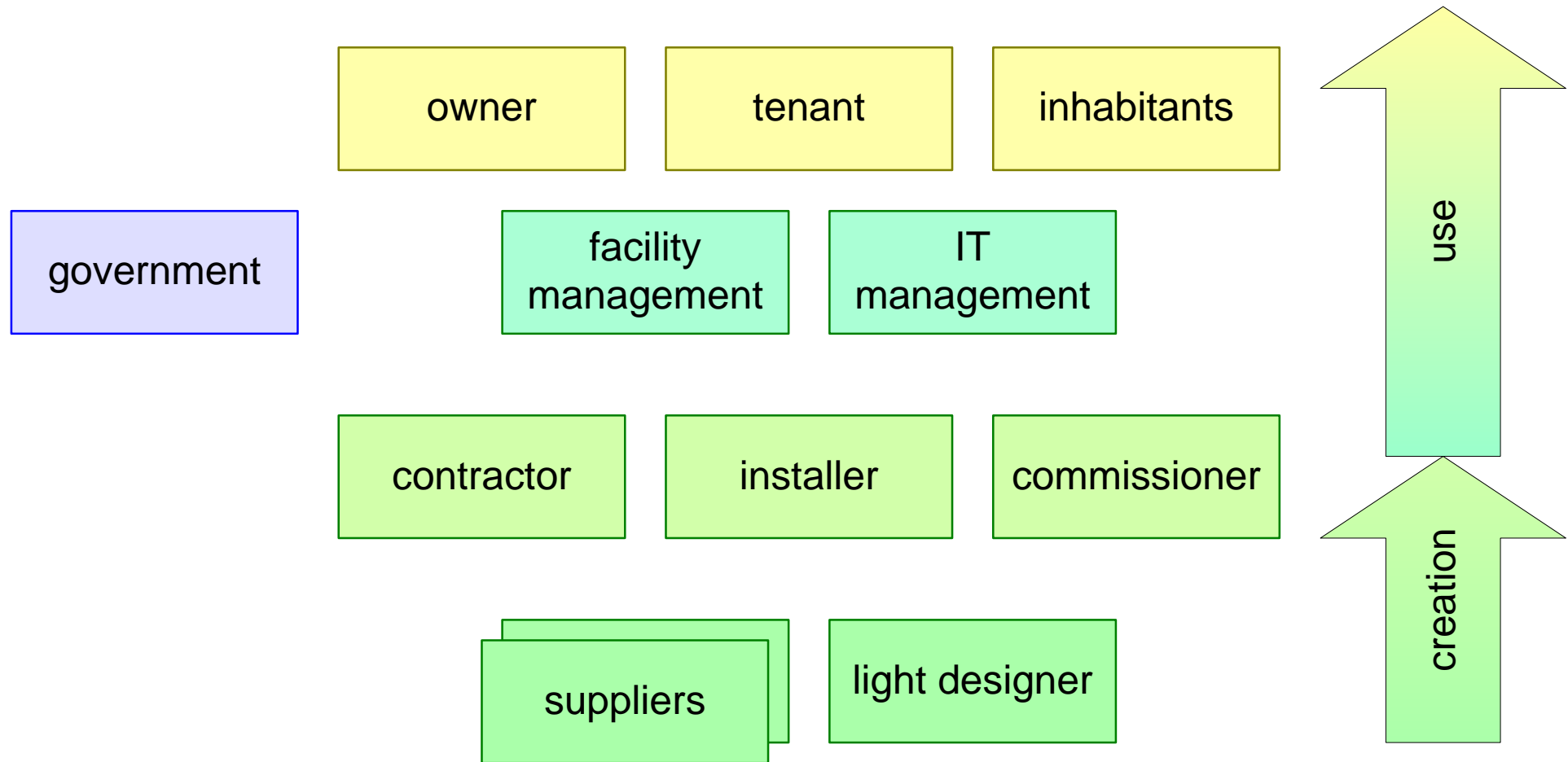


# Architecture Description

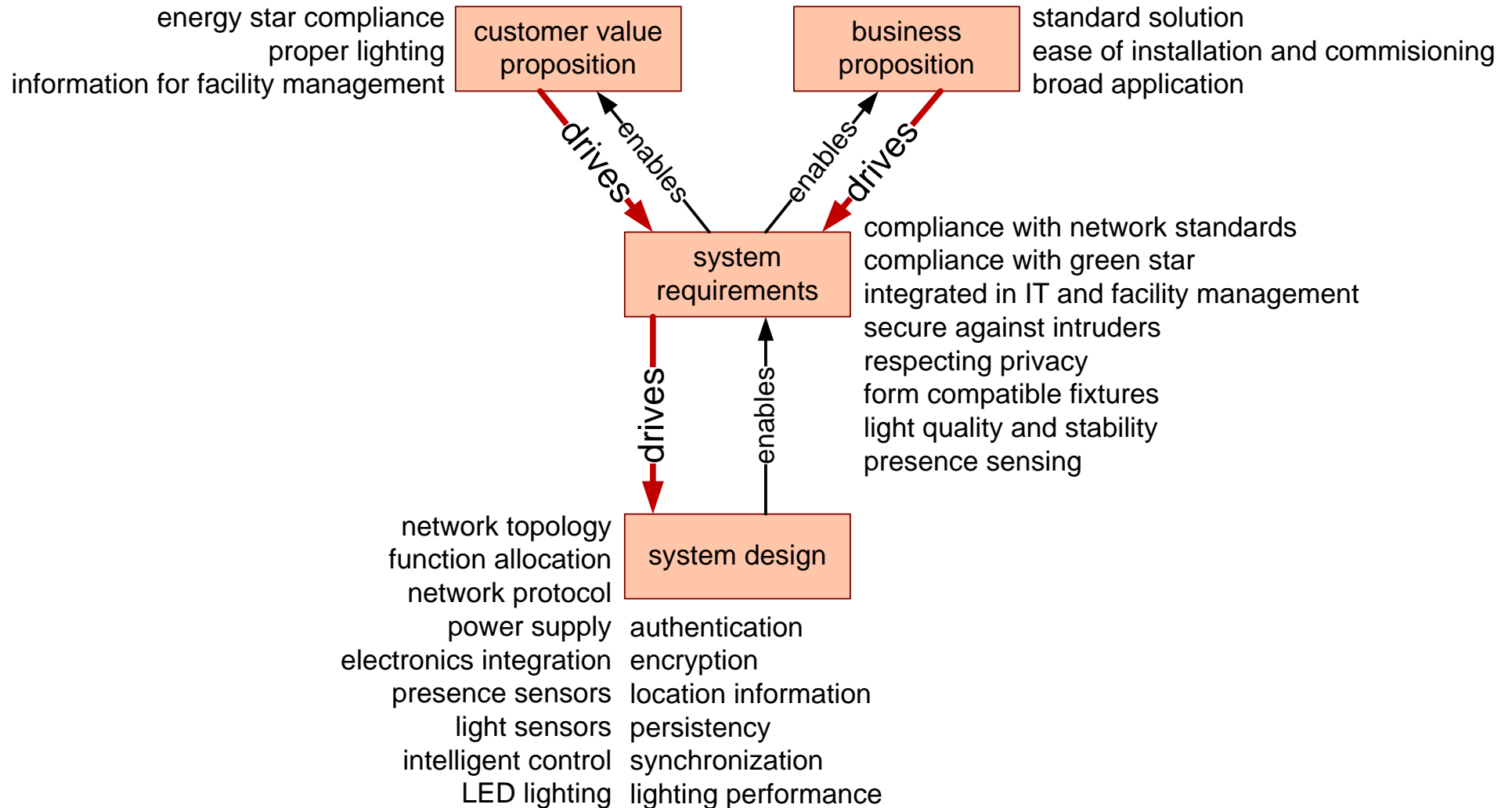




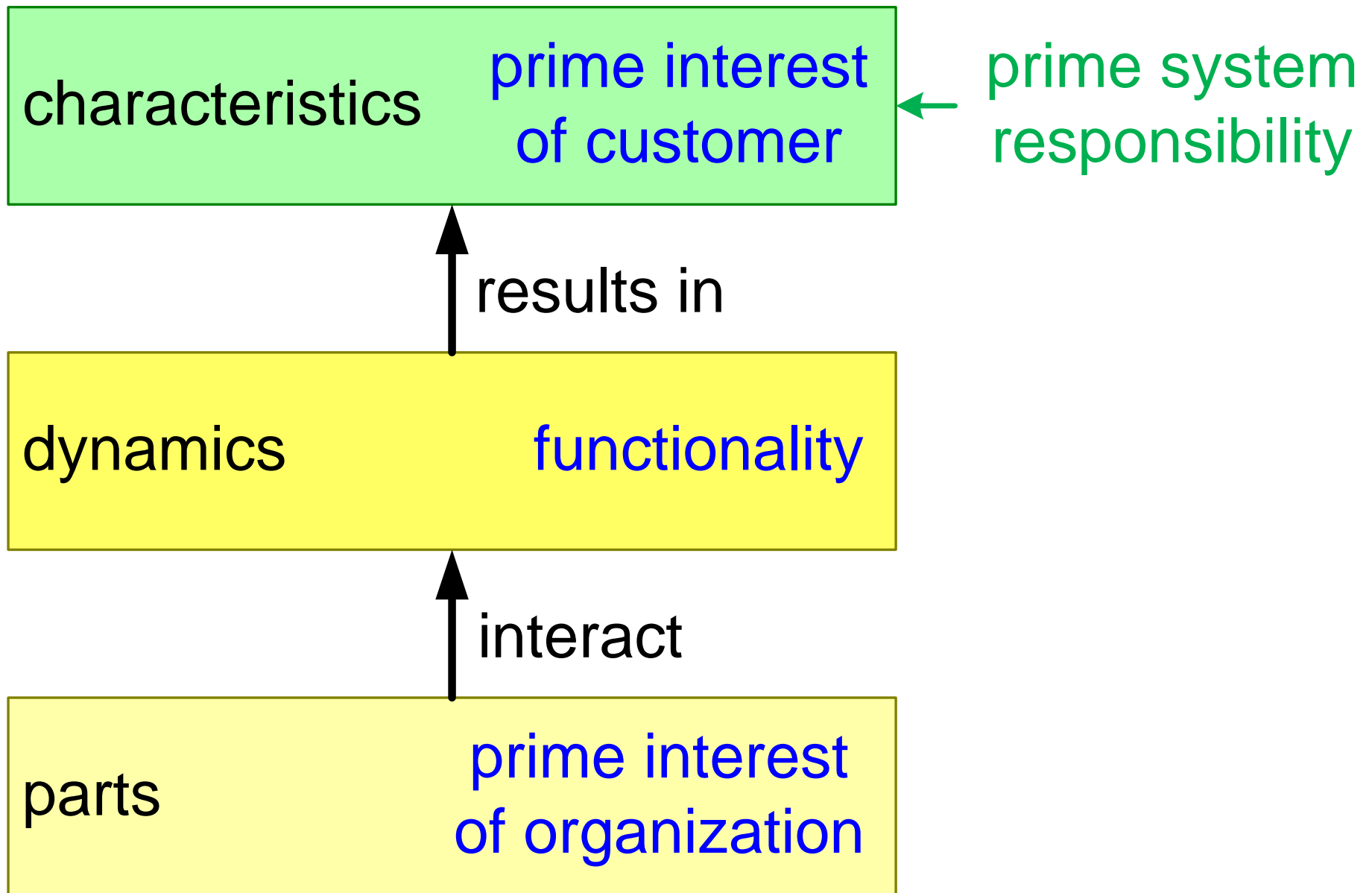
# Example Context



# Example Aspects in Office Lighting



# Design = Structure + Dynamics + Quantification



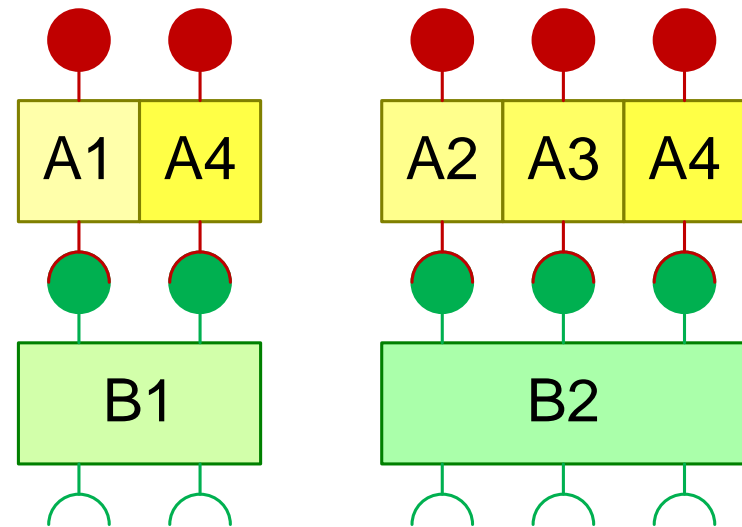
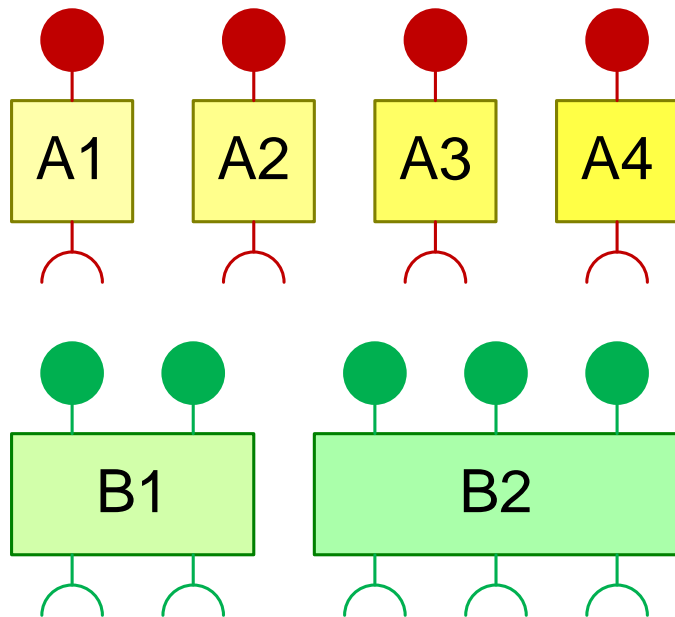
# Structure = Parts + Interfaces + Configuration

*ultimate goal:*

- modular component catalogue
- well-defined interfaces
- independent testable

*to facilitate:*

- fast creation of solutions
- concurrent engineering
- logistics and production
- variations and changes



# Designing Desired Qualities and Behavior

- How do parts interact to create desired dynamic behavior?
  - allocate functions
- How do desired qualities and performance emerge from the interaction?
  - dimension and configure parts and functions

