

# Architecting System Performance; Connecting Breadth and Depth

by *Gerrit Muller* TNO-ESI, University College of South East Norway

e-mail: `gaudisite@gmail.com`

`www.gaudisite.nl`

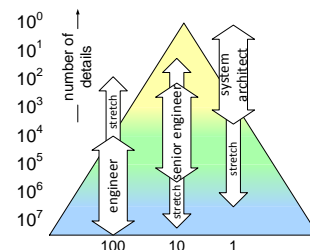
## Abstract

System Performance plays a crucial role in the customer value proposition and the business proposition. Minor details deep down into the system may have a large impact on system performance, and hence on both value propositions. Challenge in architecting system performance is to connect both worlds, which are mentally far apart.

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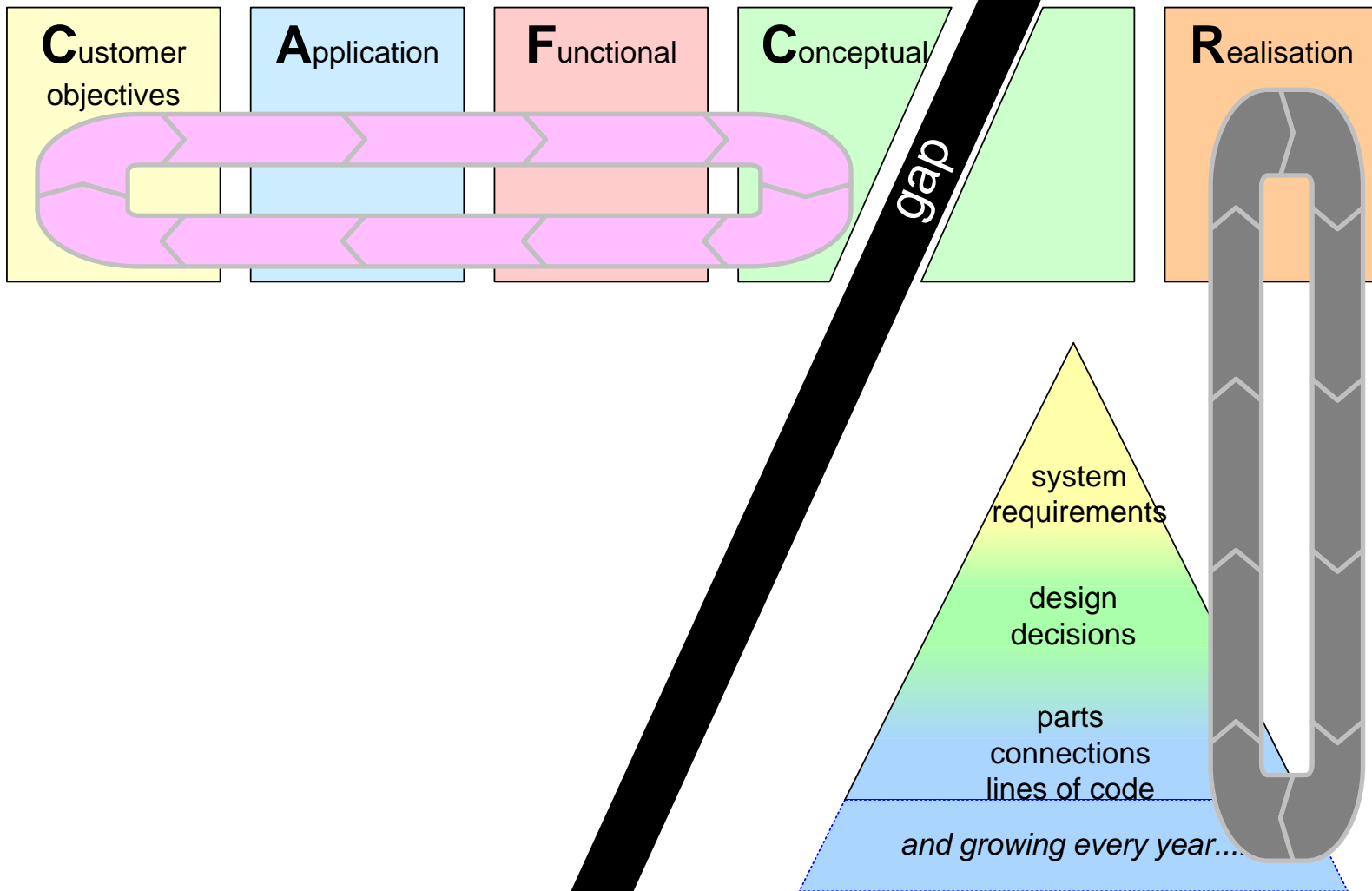
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# Organizational Problem: Disconnect

What does Customer need in Product and **Why?**

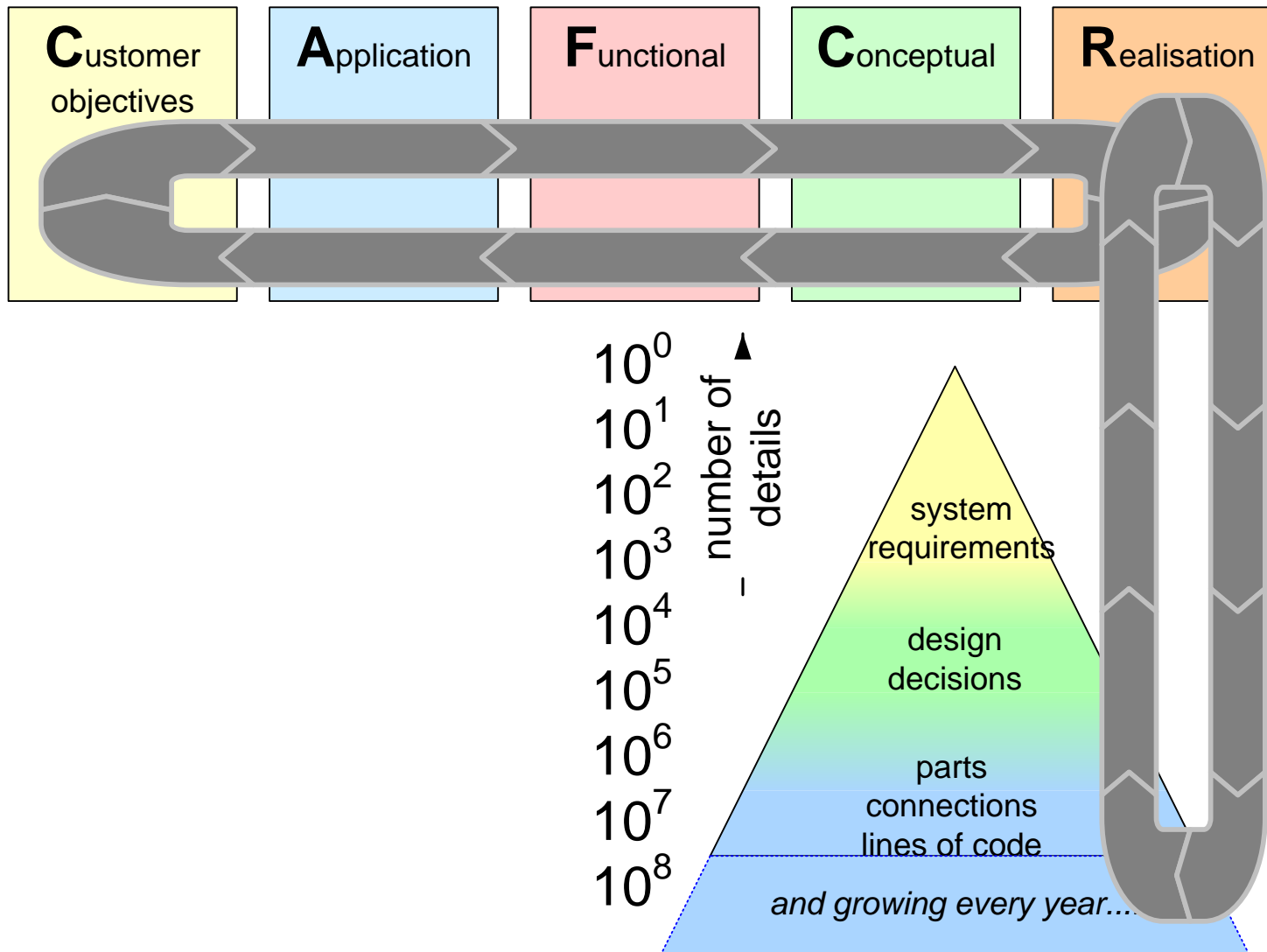


How can the product be realized  
What are the critical decisions

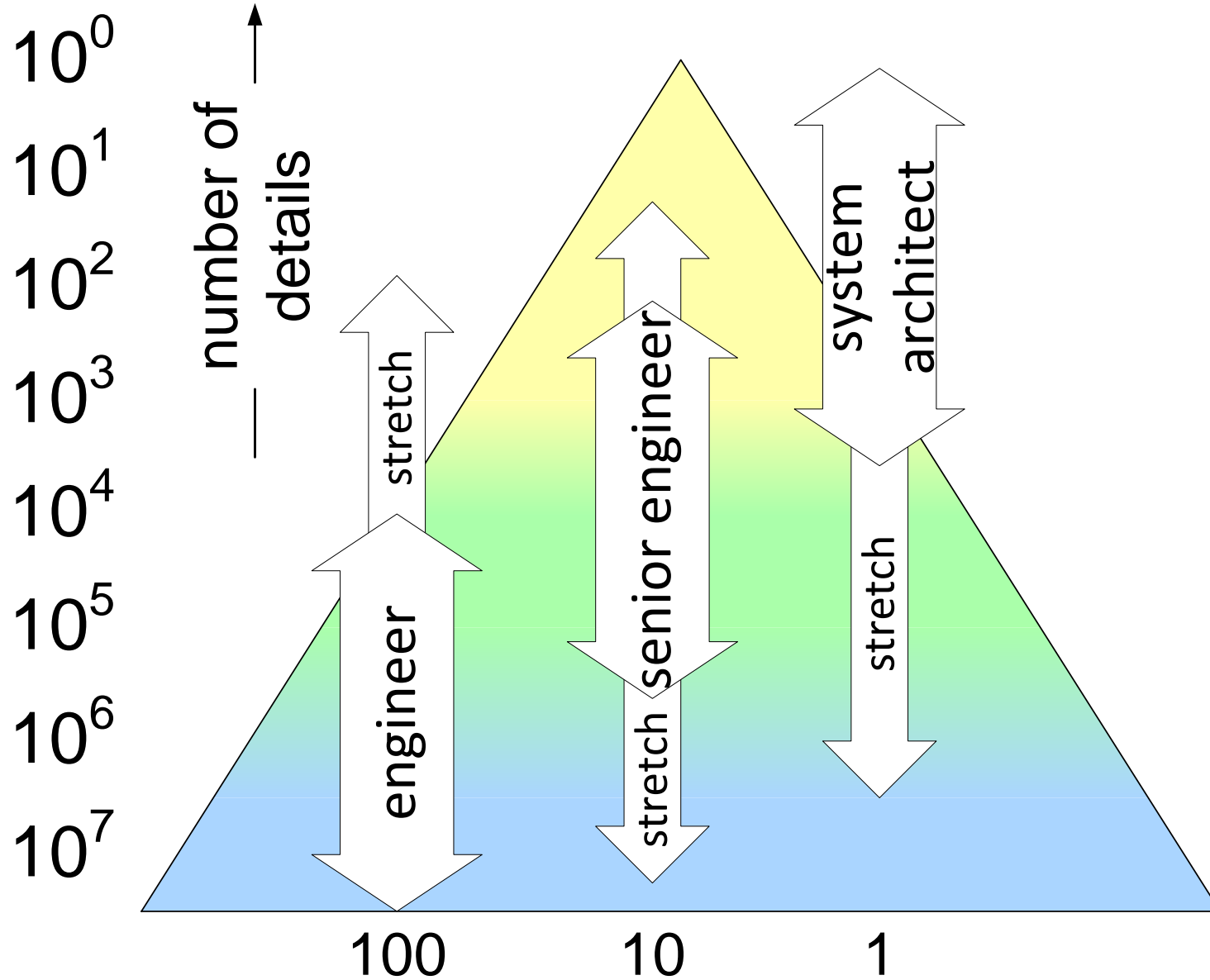
# Architect: Connecting Problem and Technical Solution

**What** does Customer need  
in Product and **Why?**

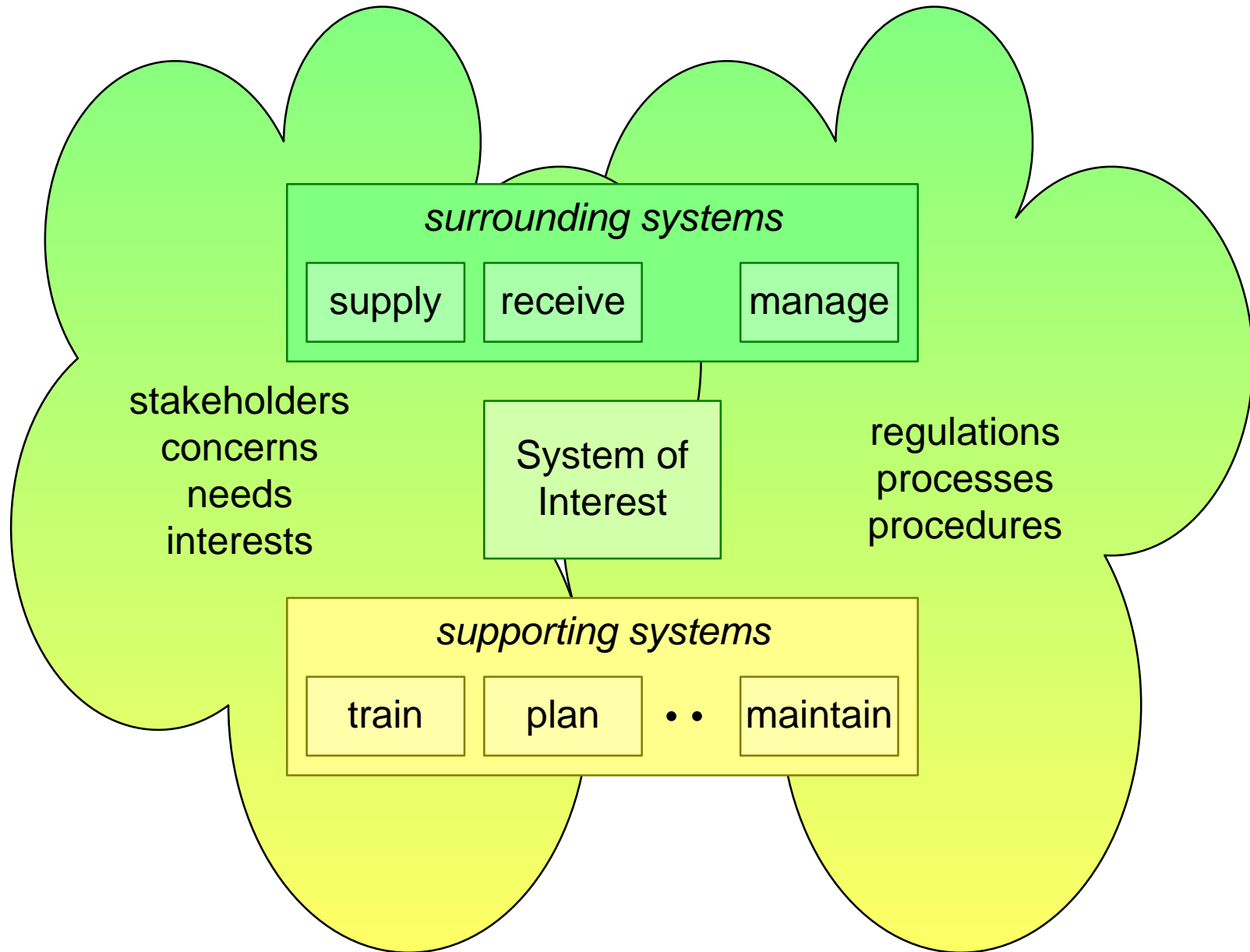
**How** can the product be realized  
**What** are the critical decisions



# Major Bottleneck: Mental Dynamic Range



# Breadth



Devilish details in design space may have large impact on performance.  
Many detailed design decisions determine system performance.

