

Architecting System Performance; Connecting Breadth and Depth

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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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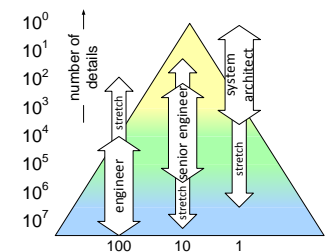
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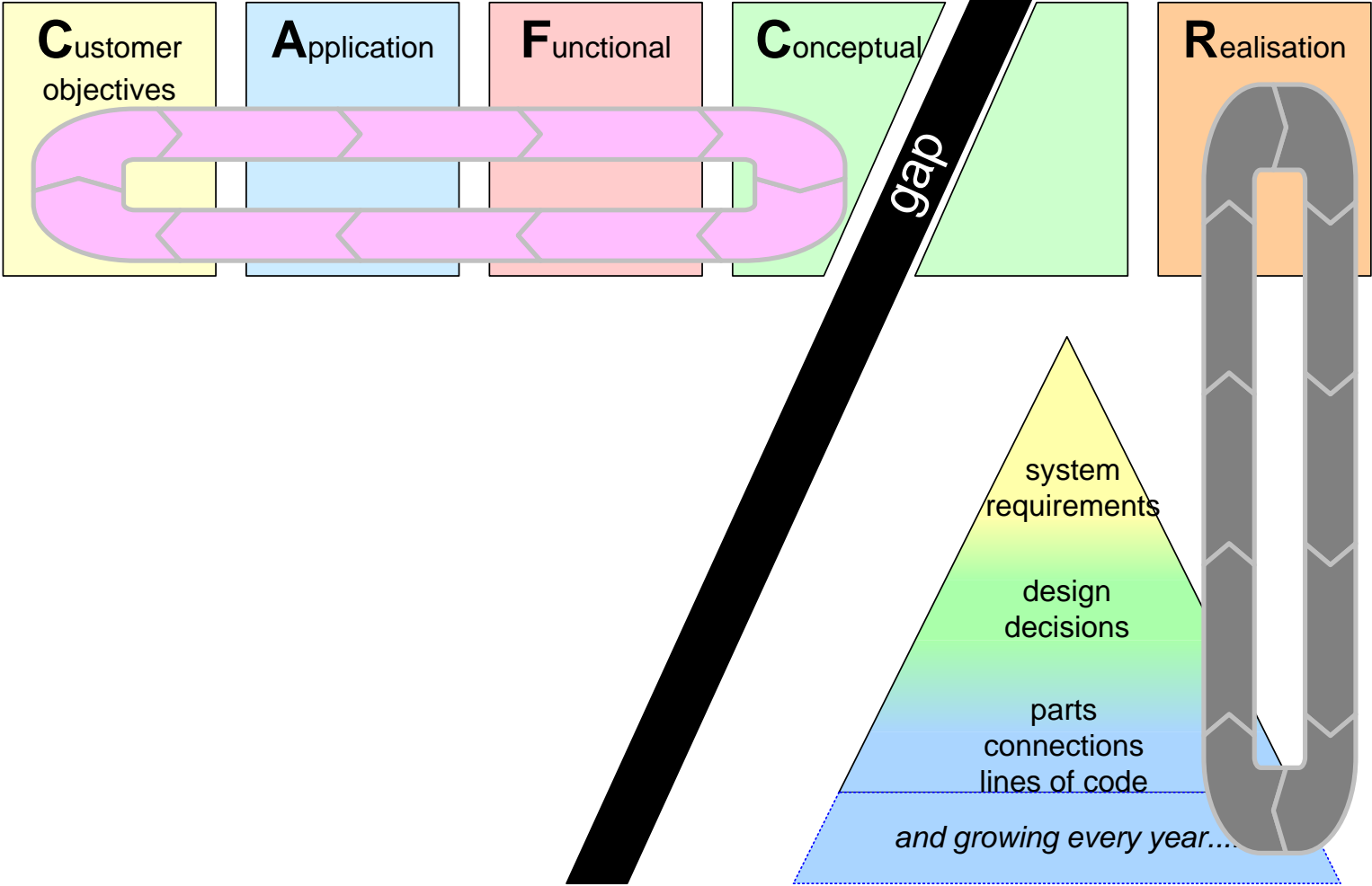
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Organizational Problem: Disconnect

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

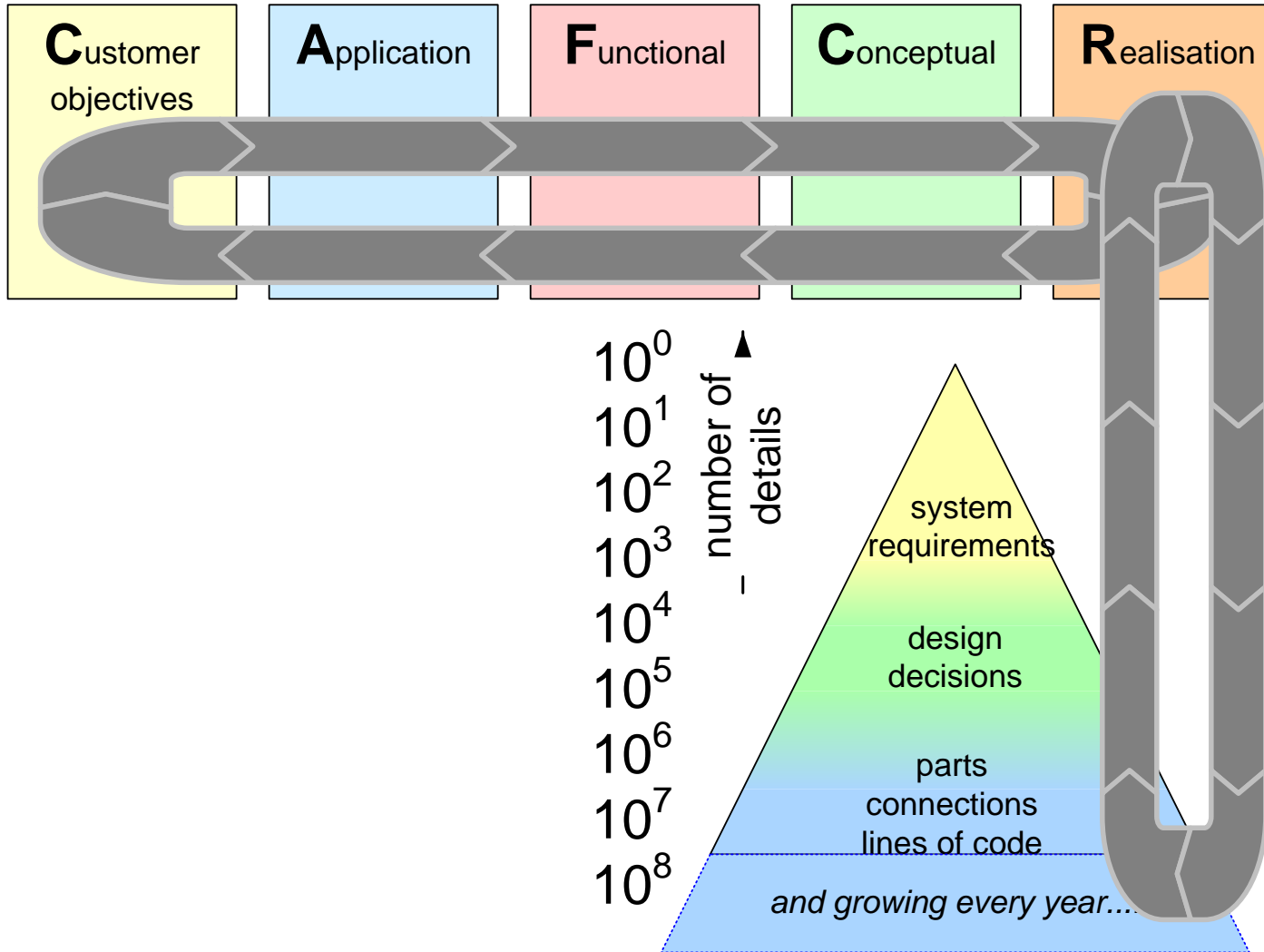


How can the product be realized
What are the critical decisions

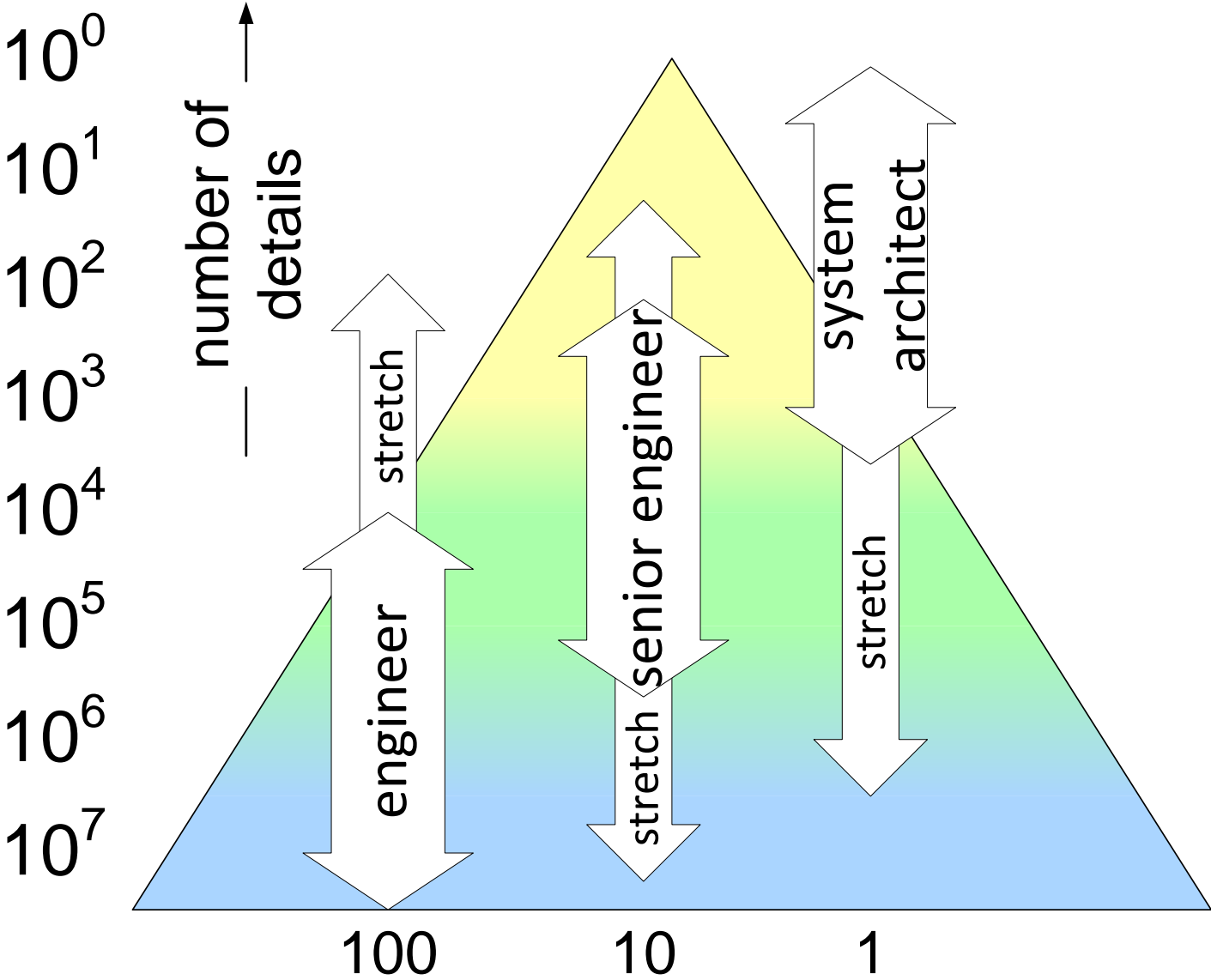
Architect: Connecting Problem and Technical Solution

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

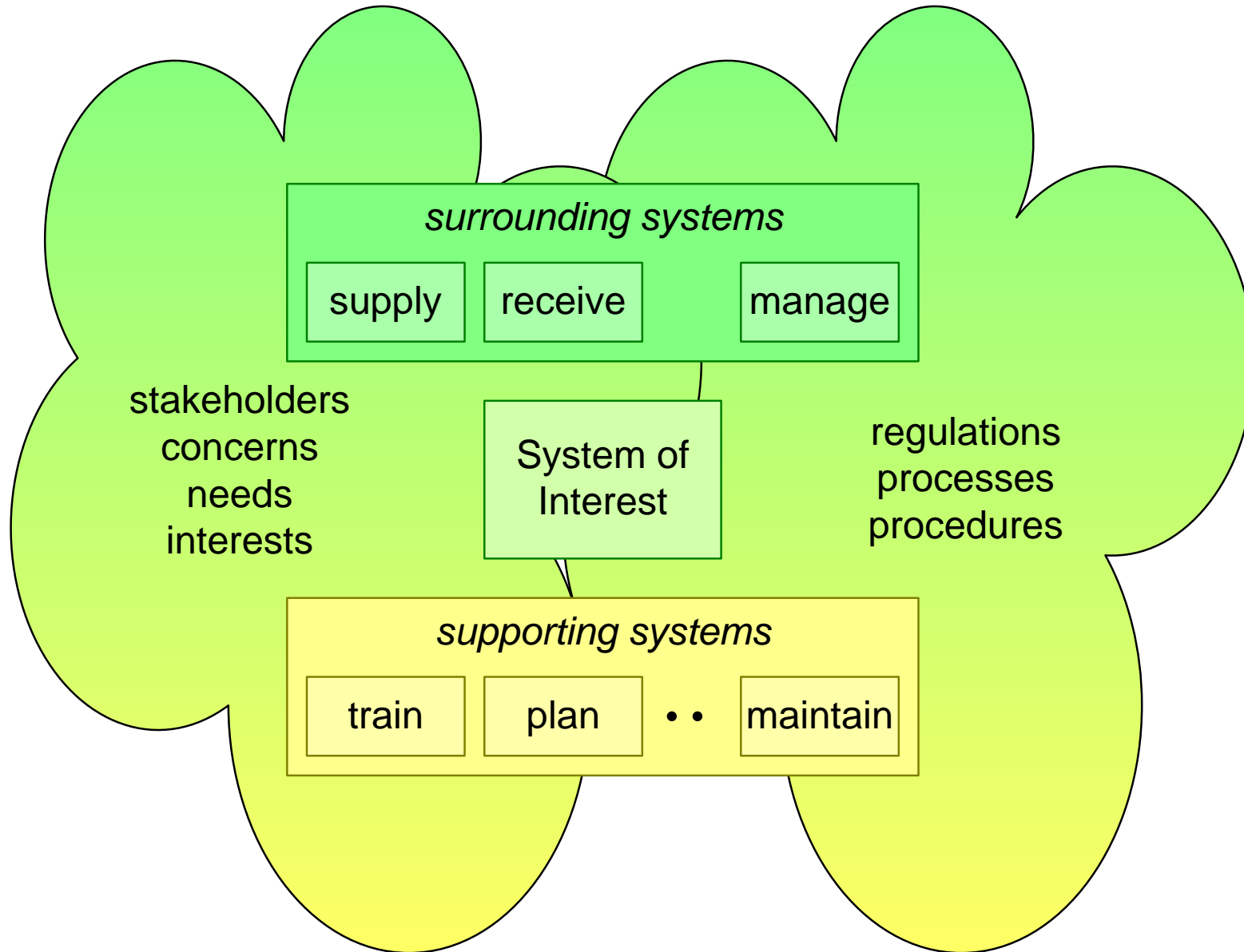
How can the product be realized
What are the critical decisions



Major Bottleneck: Mental Dynamic Range



Breadth



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

