Abstract

The architect plays an essential role in making solutions, which fit with the human measure. During the long product creation chain the human measure is easily lost.

The role of the architect is to integrate understanding of the customer world with know-how of the solution (technology) world. The architect quickly iterates many stakeholder viewpoints to achieve a satisfying solutions from many, seemingly conflicting, viewpoints.
Did you ever program a VCR?

A  

depressed

B  

desperate

C  

hysteric
Product Creation Cycle

Architect and Human Measure; the integration role

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ETproductCreationCycle
Bridging the gap between Experience and Engineering

Humans → Experience

Sense, smell, feel
Emotions, Opinions

Architecting

From Fuzzy to SMART

Technology → Engineering

Analysis, Definition
Verification

Devices
Appliances

use

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ETarchitecting
The architecting approach

Understanding
Why

Describing
What

Guiding
How

Do the right things

Do the things right
Task of the system architect

What does Customer need in Product and Why?

Customer
What
C: Customer objectives

Application
A: Context understanding

Product
What
F: Intention

Conceptual
C: Objective driven

Realization
R: Knowledge based

opportunities

constraint awareness

objective

intention

context understanding

Architect and Human Measure; the integration role

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MSintegratingCAF/CR
Guiding how

1. Functional Decomposition

2. Construction Decomposition

3. Allocation

4. Infrastructure

5. Choice of integrating concepts

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Conclusion

team full of heroes

medidling architect
Current Architects

Required Architects

customer objectives application functional conceptual realisation
The architect maintains technical roots

Architect and Human Measure; the integration role

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MATfromSpecialistToSystemArchitect

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