Consolidating Architecture Overviews

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Abstract

This presentation provides guidelines and means to capture architecture overviews. Main challenge is to maintain the overview across multiple views. Architecture Overview A3s One support multi-view. Another challenge is to make an overview accessible for a wide range of stakeholders. The architecture description should therefor be visualized such that it fits the mental model of the audience.

Distribution

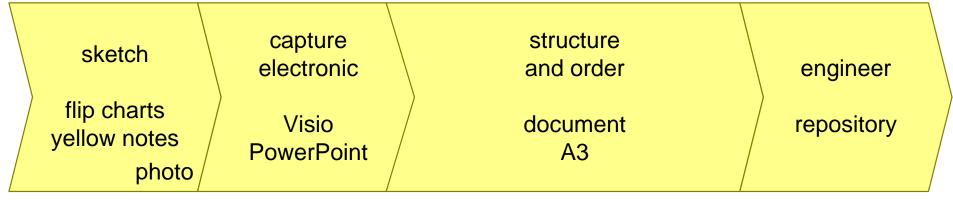
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version: 0.2



Maturing an Architecture Description

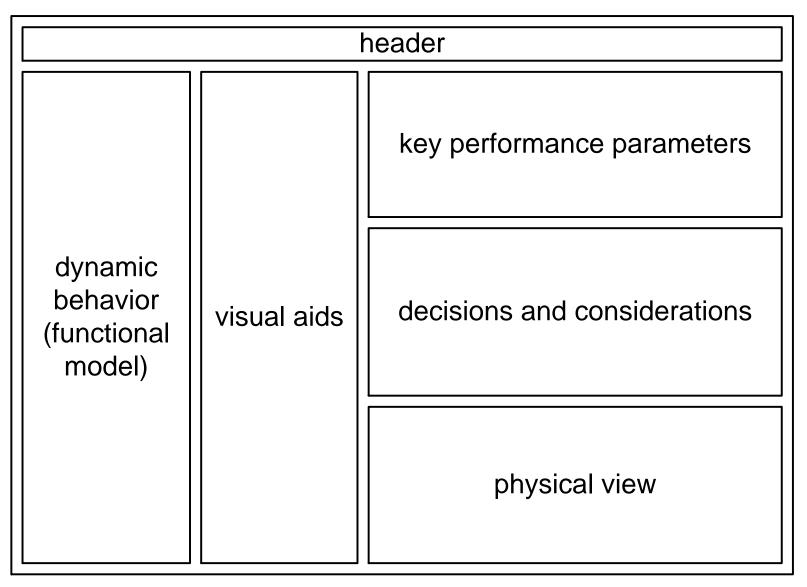


fast low threshold changing rapidly volatile informal

more effort evolving slowly non-volatile slightly more formal

major effort controlled change non-volatile formal

Architecture Overview A3



simplified from http://www.gaudisite.nl/BorchesCookbookA3architectureOverview.pdf

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A3s to Capture Architecture Overviews

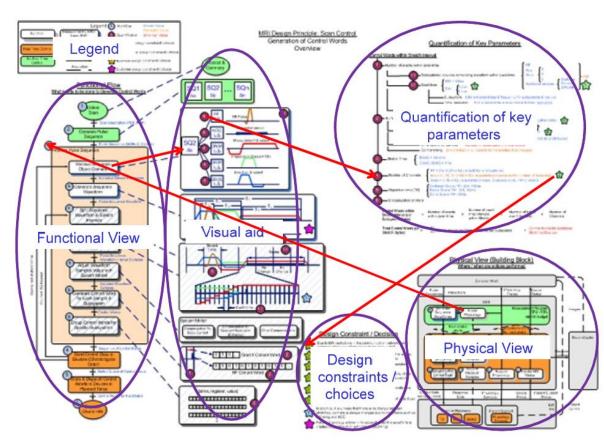
multiple related views

quantifications

one topic per A3

capture "hot" topics

digestable (size limitation)



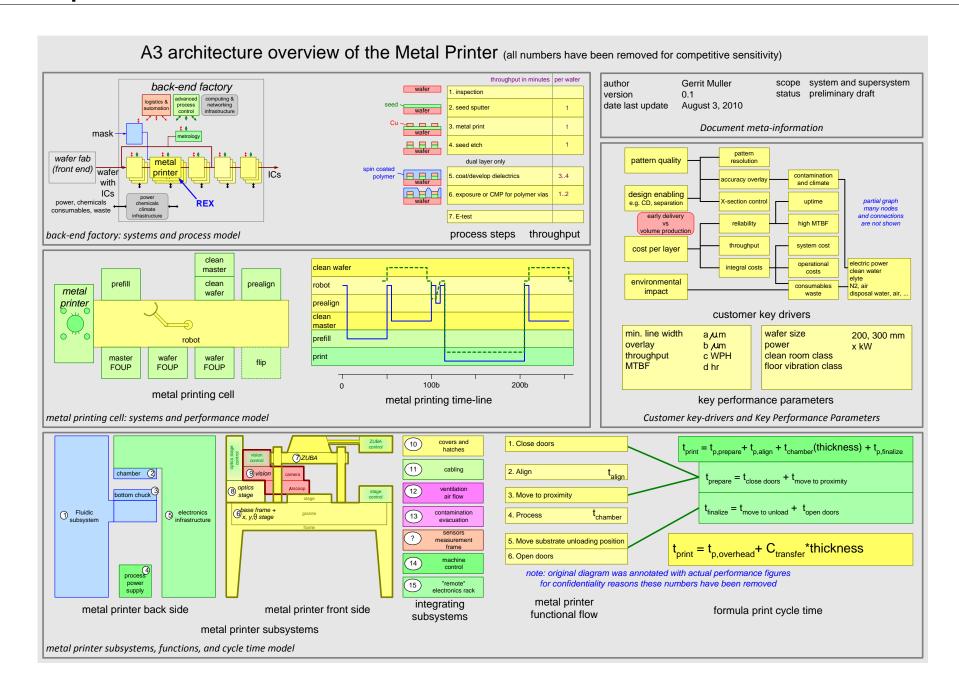
source: PhD thesis Daniel Borches http://doc.utwente.nl/75284/

practical close to stakeholder experience

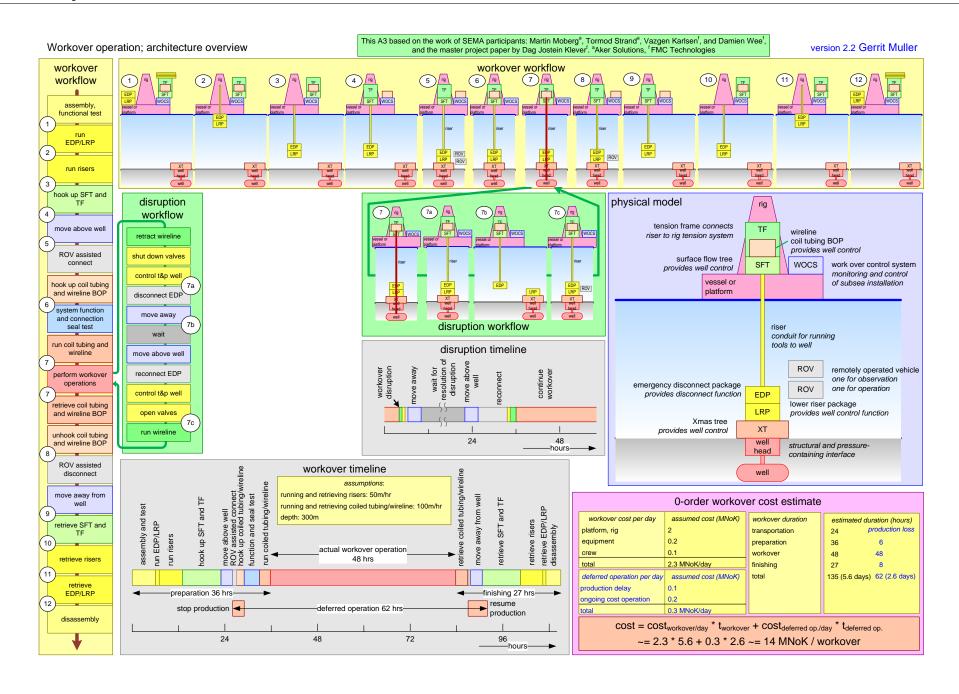
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LAWFleanArchitecting

Example of A3 Architecture Overview



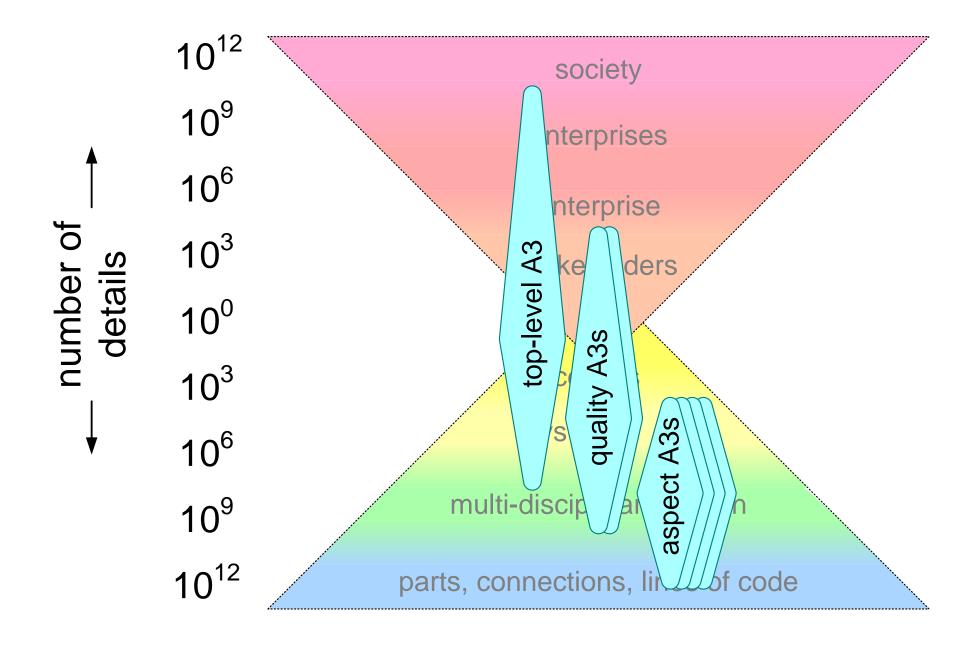
Example of SubSea A3 Architecture Overview



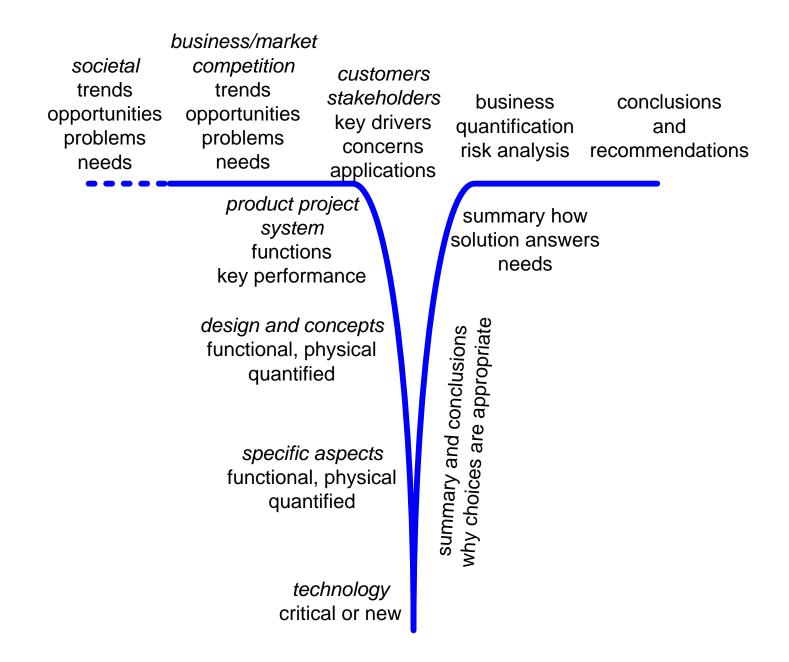
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SSMEoverviewA3

Multiple Levels of A3s



T-shape Presentation



Guidance from ArchitectingForum.org

- 1.1 One of several prerequisites for architecture creative synthesis is the definition of **5-7 specific key drivers** that are critical for success, along with the rationale behind the selection of these items
- 2.1. The essence of a system can be captured in about 10 models/views
- 2.2. A **diversity** of architecture descriptions and models is needed: languages, schemata and the degree of formalism.
- 2.3. The level of **formality** increases as we move closer to the implementation level.

from http://www.architectingforum.org/bestpractices.shtml