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.

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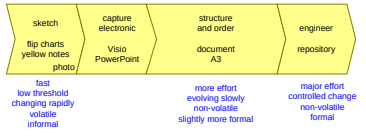
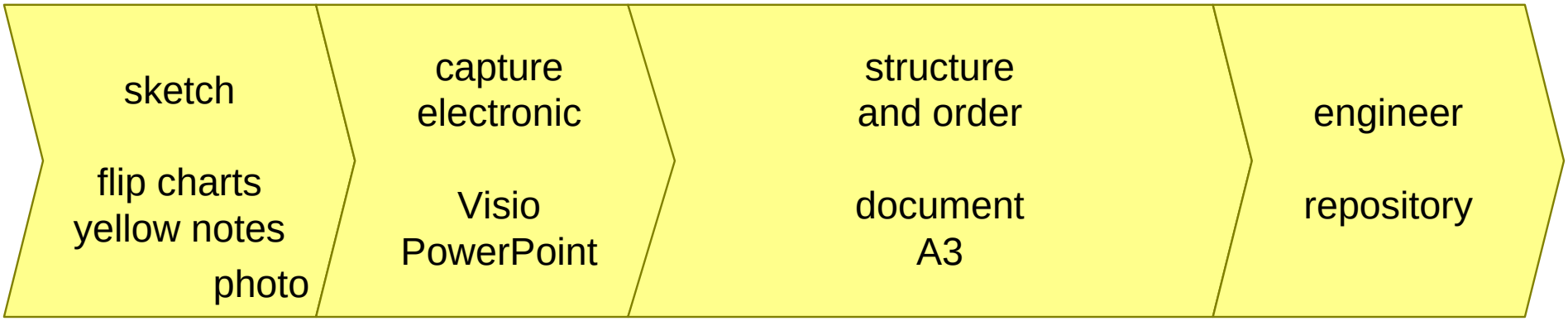
version: 0.2



Maturing an Architecture Description

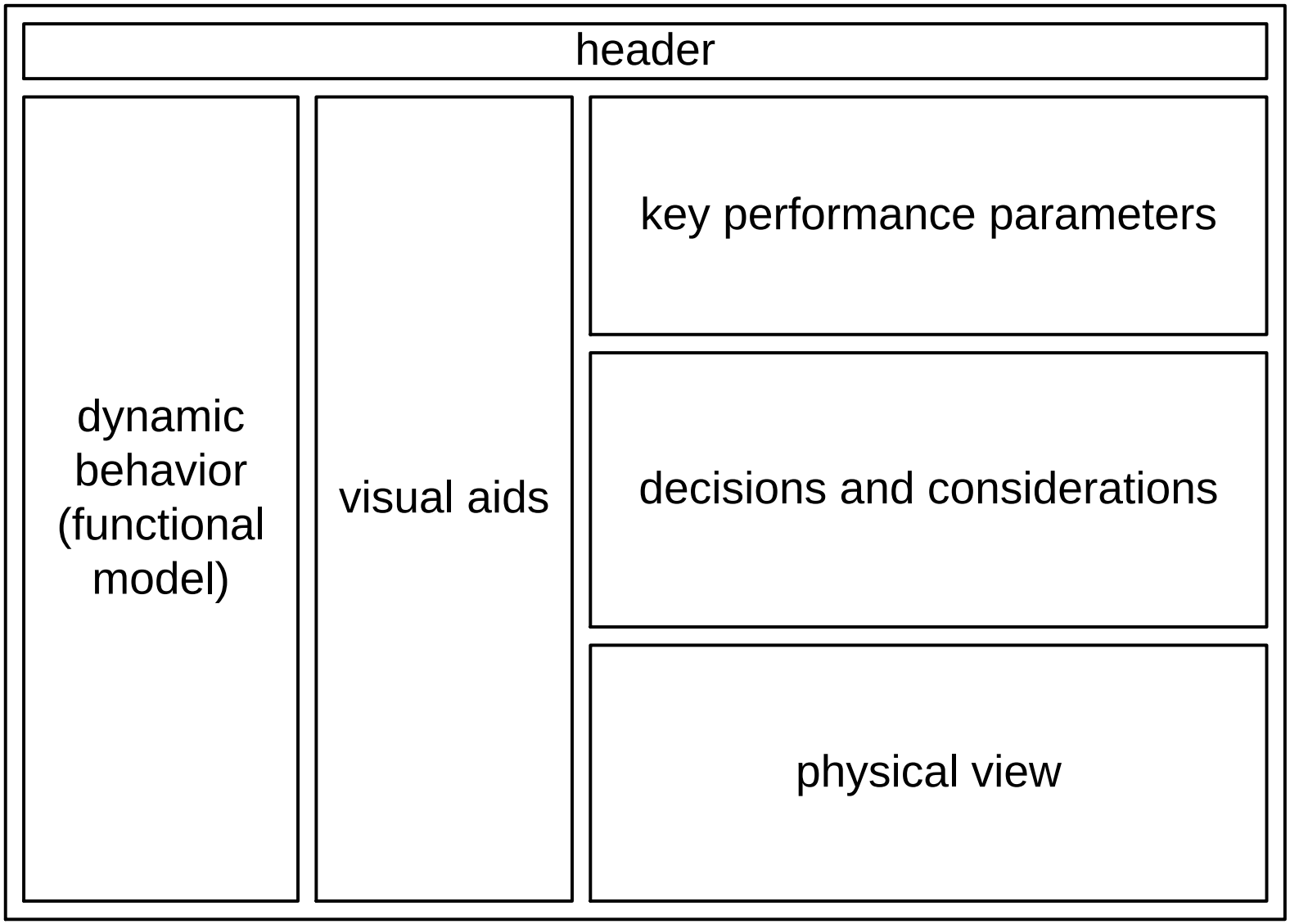


fast
low threshold
changing rapidly
volatile
informal

more effort
evolving slowly
non-volatile
slightly more formal

major effort
controlled change
non-volatile
formal

Architecture Overview A3



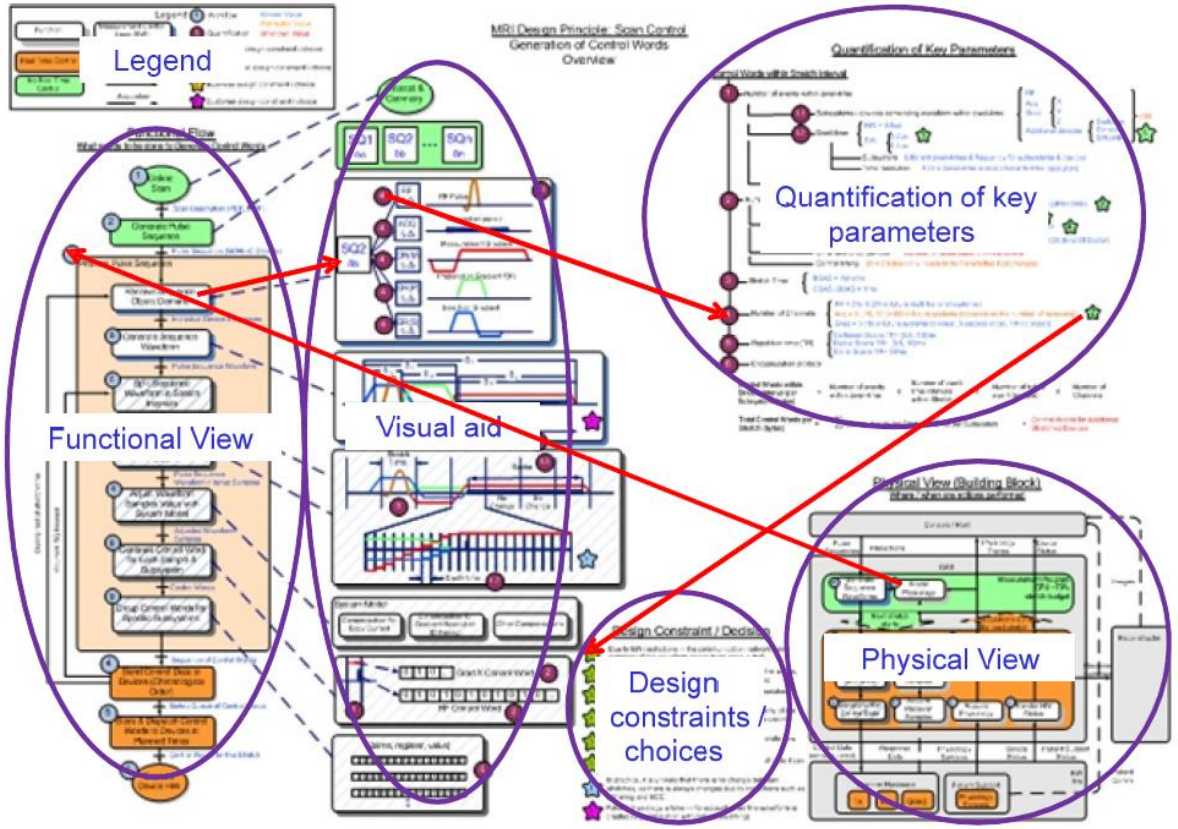
simplified from http://www.gaudisite.nl/BorchesCookbookA3architectureOverview.pdf

A3s to Capture Architecture Overviews

multiple related views

quantifications

one topic
per A3



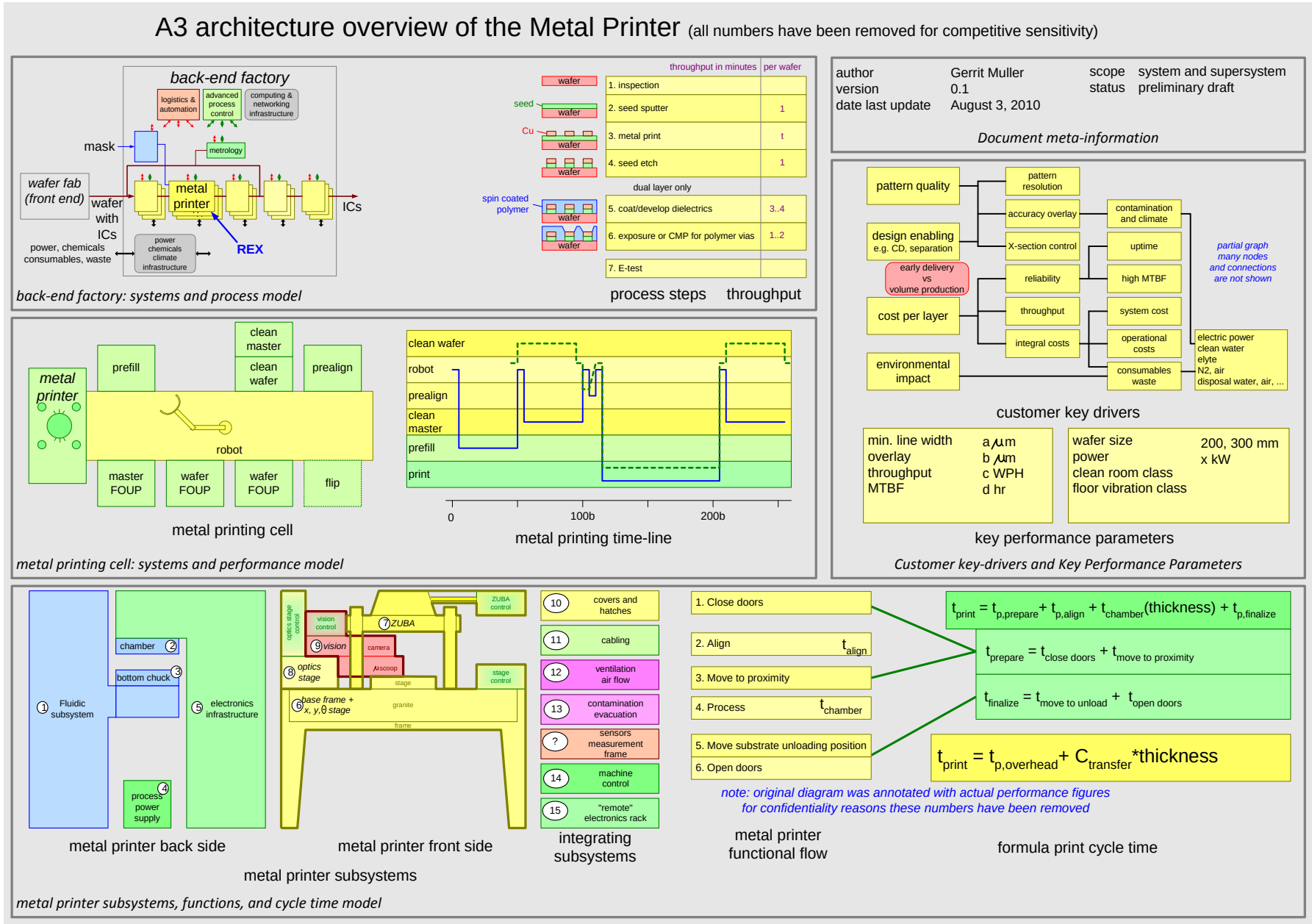
source: PhD thesis Daniel Borches http://doc.utwente.nl/75284/

capture
"hot" topics

digestable
(size limitation)

practical
close to stakeholder experience

Example of A3 Architecture Overview

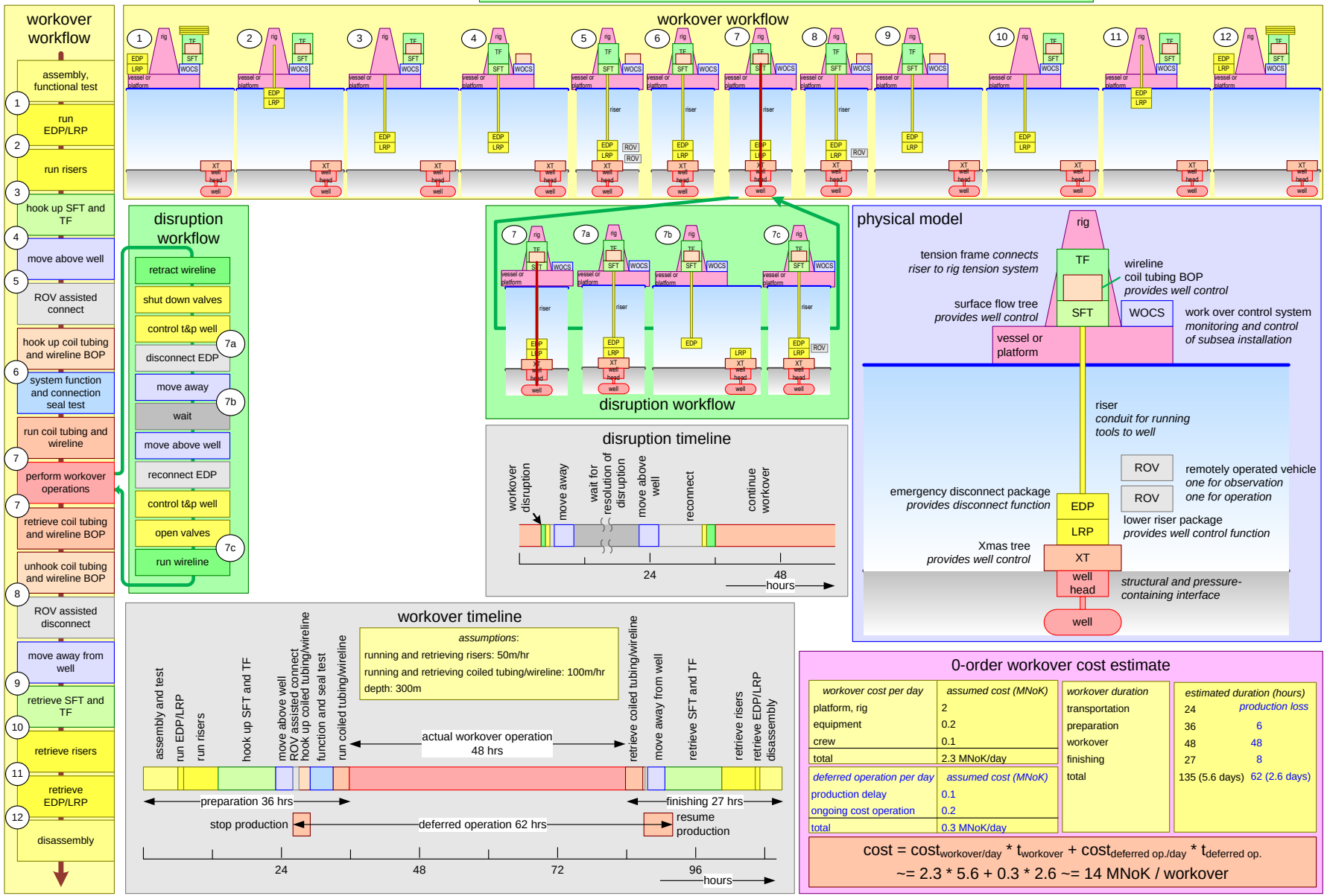


Example of SubSea A3 Architecture Overview

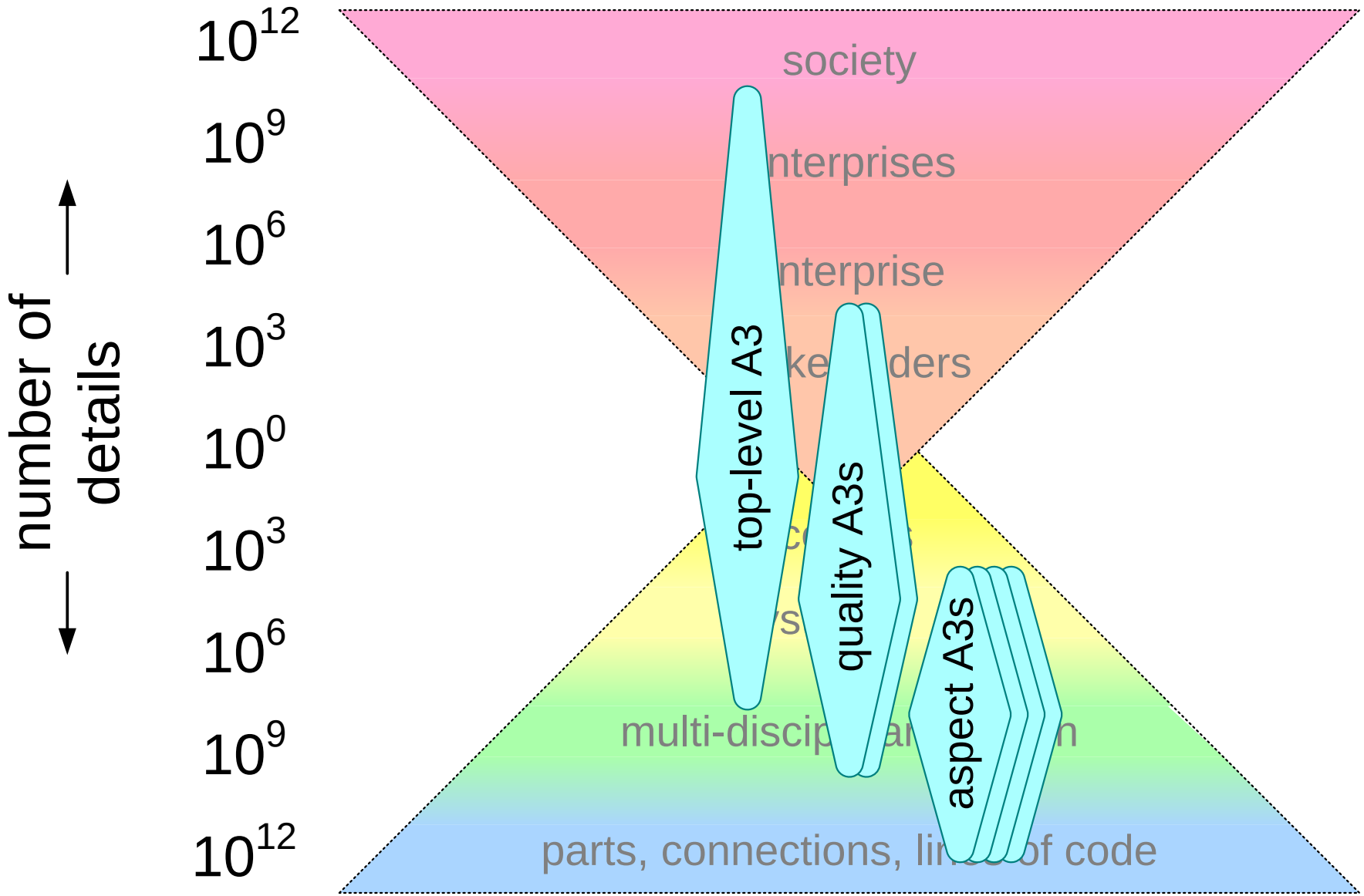
Workover operation; architecture overview

This A3 based on the work of SEMA participants: Martin Moberg[a], Tormod Strand[a], Vazgen Karlsen[f], and Damien Wee[f], and the master project paper by Dag Jostein Klever[f]. [a]Aker Solutions, [f]FMC Technologies

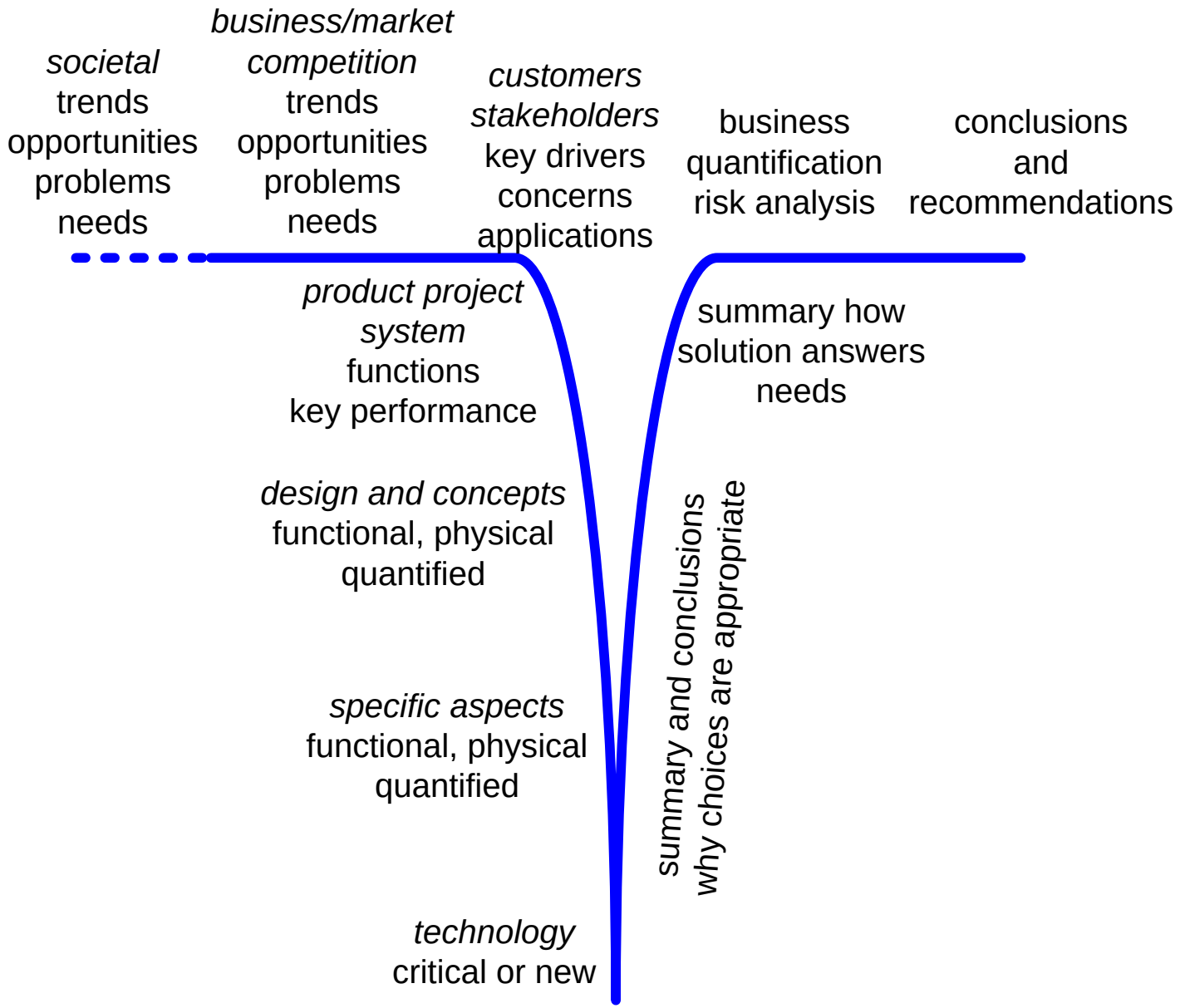
version 2.2 Gerrit Muller



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