What is Systems Architecting in an Industrial Context?

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Abstract

Architecting is the creation of an architecture by the product creation team. The next question is: “What is an architecture?”.
What is Systems Architecting in an Industrial Context?
Architectures = tangible (internal) + intangible (external)

<table>
<thead>
<tr>
<th>Performance</th>
<th>Behaviour</th>
<th>Functionality</th>
<th>External</th>
</tr>
</thead>
<tbody>
<tr>
<td>Structure</td>
<td>Construction</td>
<td>Internal</td>
<td></td>
</tr>
</tbody>
</table>

The perception of, experience with, the system by all stakeholders in all phases of the system life-cycle.
The business context of architecting methods

- Business sets targets
- Architecting method
- Product creation
- Process Organisation supports
- People enables
- People performs
- People fits in
- People supports

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PBUSUcontext
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Business
architecting method
product creation

People
sets targets
supports
enables
perform
fits in
supports

Process Organisation
policy and planning
*business, marketing, operational managers*

customer-oriented
*sales, service, production, logistics*

product creation
*project leader, product manager, engineers, suppliers*

people, process, and technology
*capability managers, technology suppliers*