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PART 102 - Systems Engineering and PLM

why should it fit together for engineering of machines

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Systems Engineering and PLM

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Two completely different disciplines

Why is **Software Factory** a trusted advisor

Engineering of machines and **new requirements** in a **challenging world**

Different views and **information** in the run of a **project**

Integral **solution** with **PTC Integrity** and **PTC Windchill**



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Tailored software for more than 20 years



CAD/CAM process automation with **PTC® Creo®**



PLM process automation and migrations with **PTC® Windchill®**



Systems & software engineering based on **PTC Integrity™**



PLM in retail, footwear and apparel with **PTC® FlexPLM®**



Manufacturing and service solutions with **ThingWorx™**



High-demanding tailor-made solutions with **ThingWorx™**

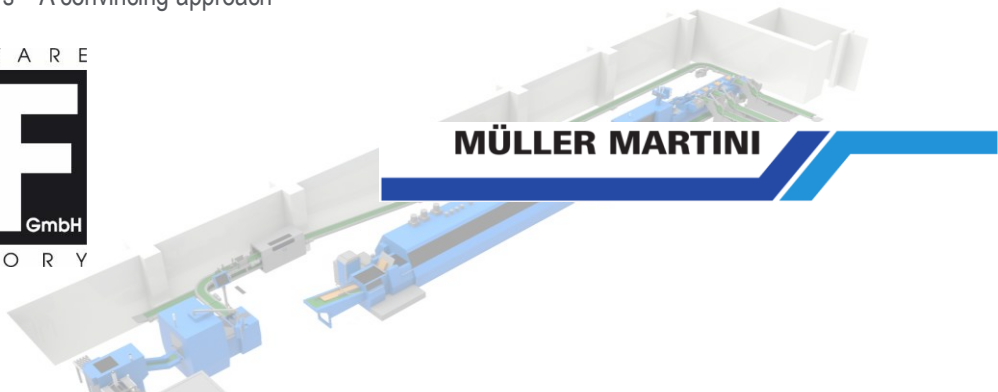


IT Operations: Consulting and application support services

Bundled capabilities

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Capable partners – A convincing approach



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5

A challenging product

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<https://www.youtube.com/watch?v=MKISA-xUV5M>

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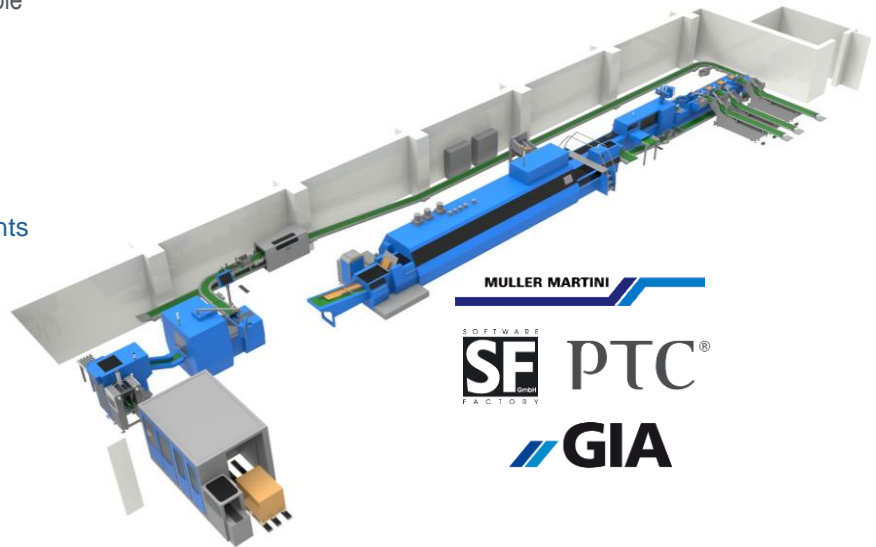
6

A challenging product

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Key characteristics of our example

- Very complex machine
- Multiple options and variants
- Multi discipline sales and engineering process



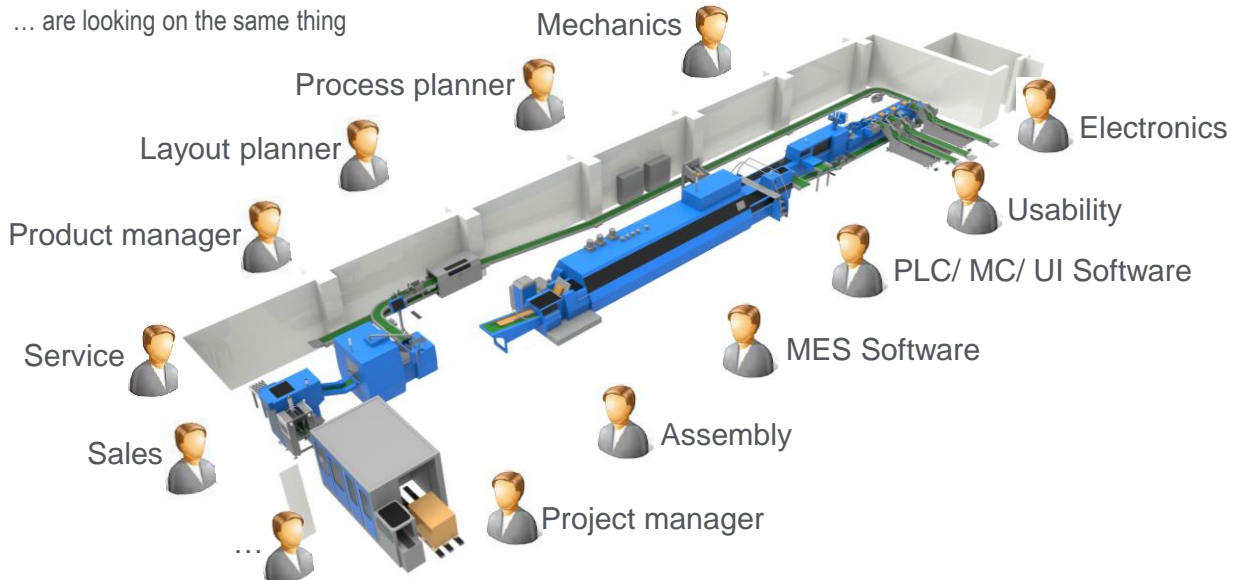
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7

Multiple stakeholders ...

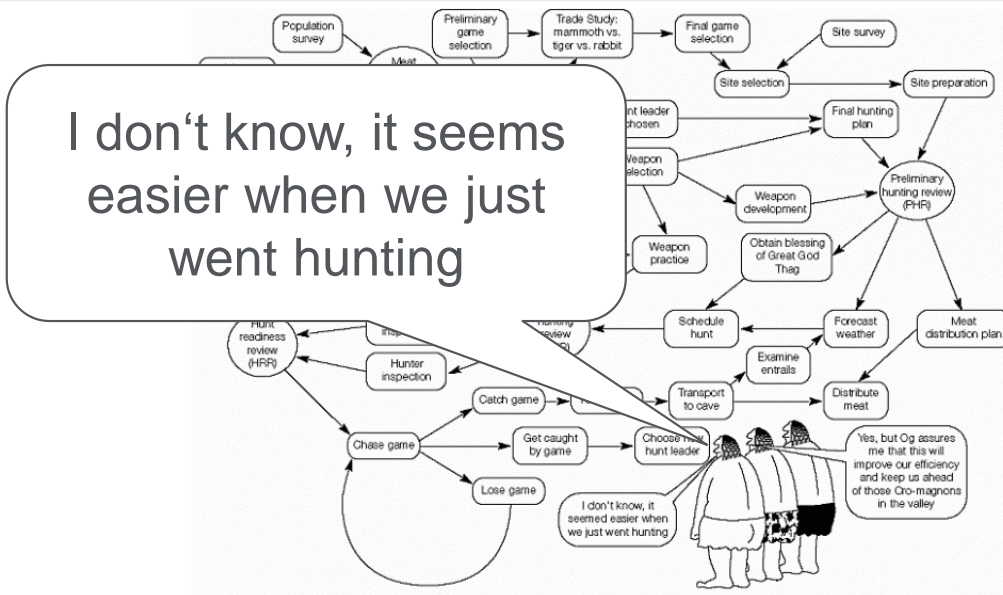
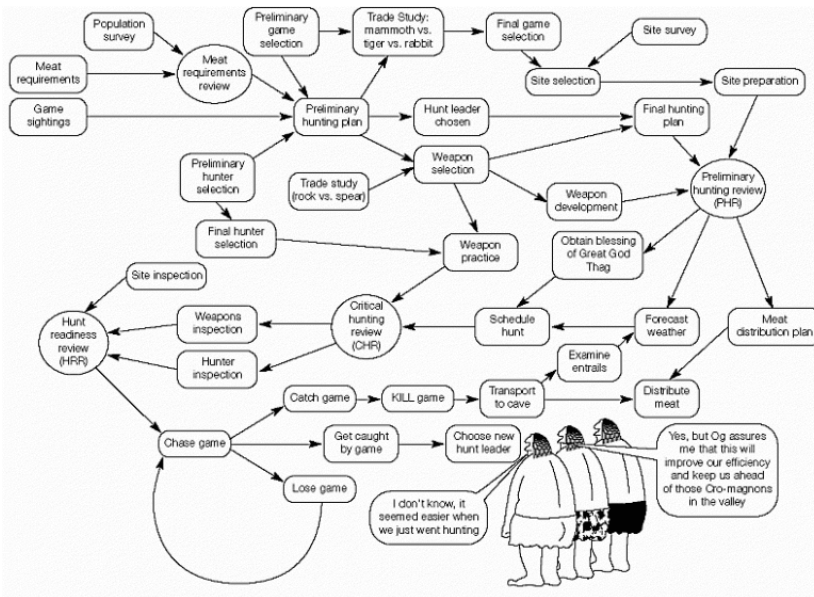
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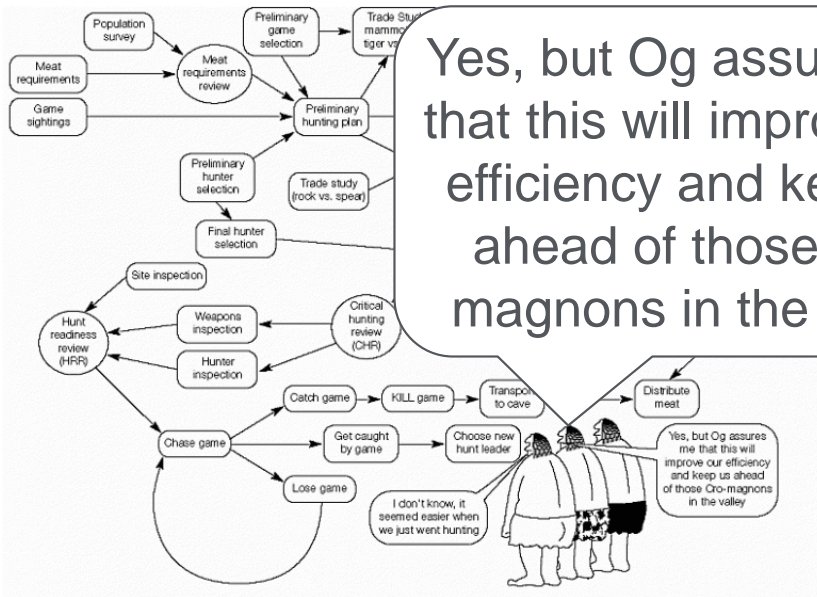
... are looking on the same thing



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8

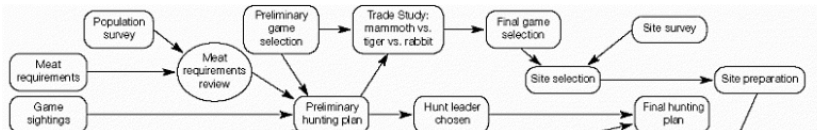




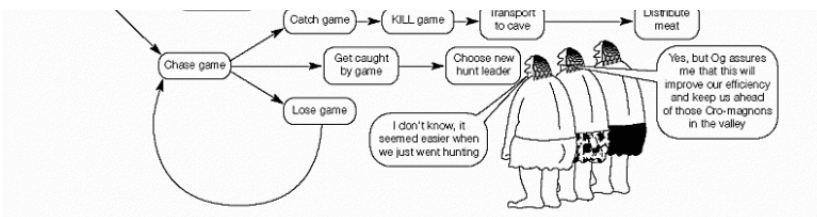
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11

What to do?

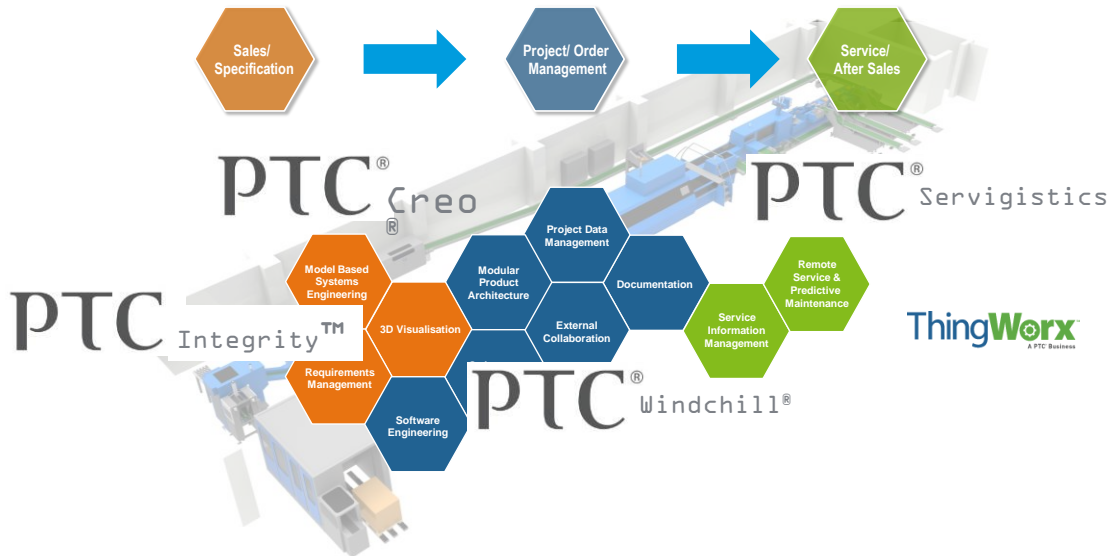
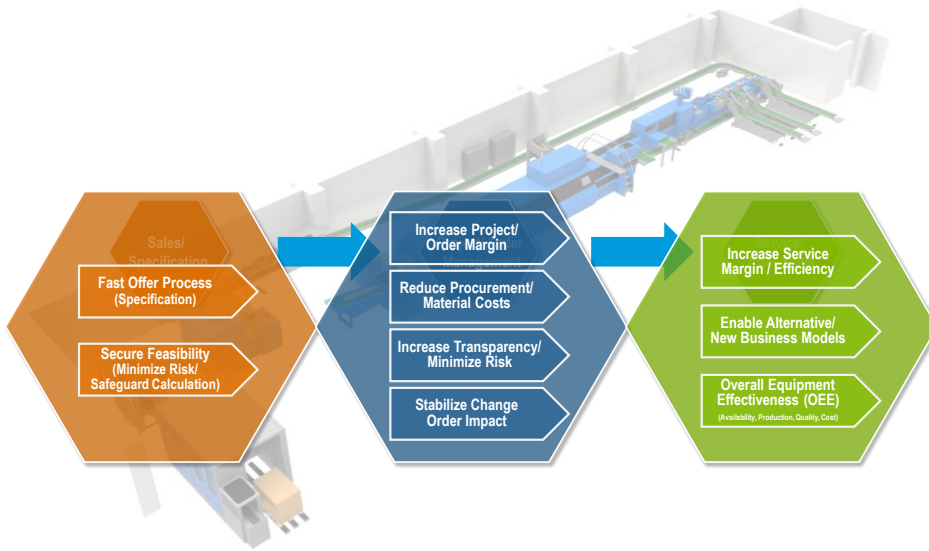


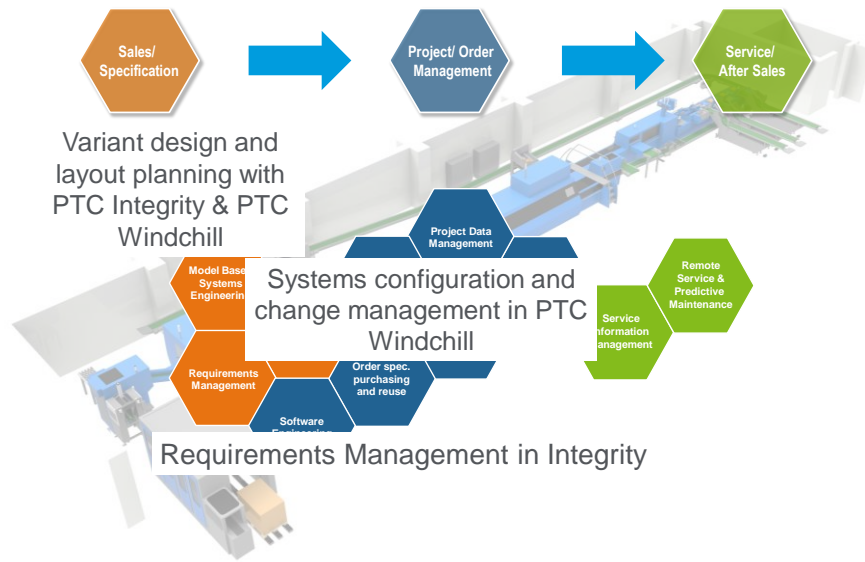
How could we use Systems Engineering without falling in the stone age's traps?



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12





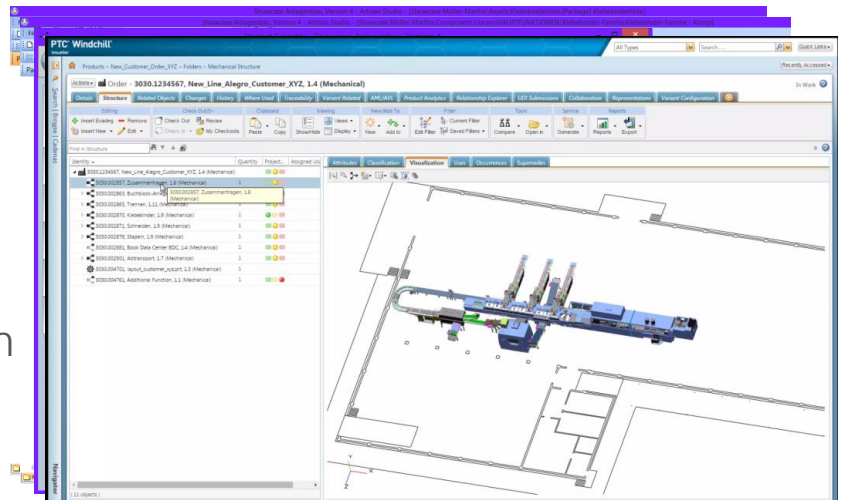
Variant design and layout planning with PTC Integrity & PTC Windchill

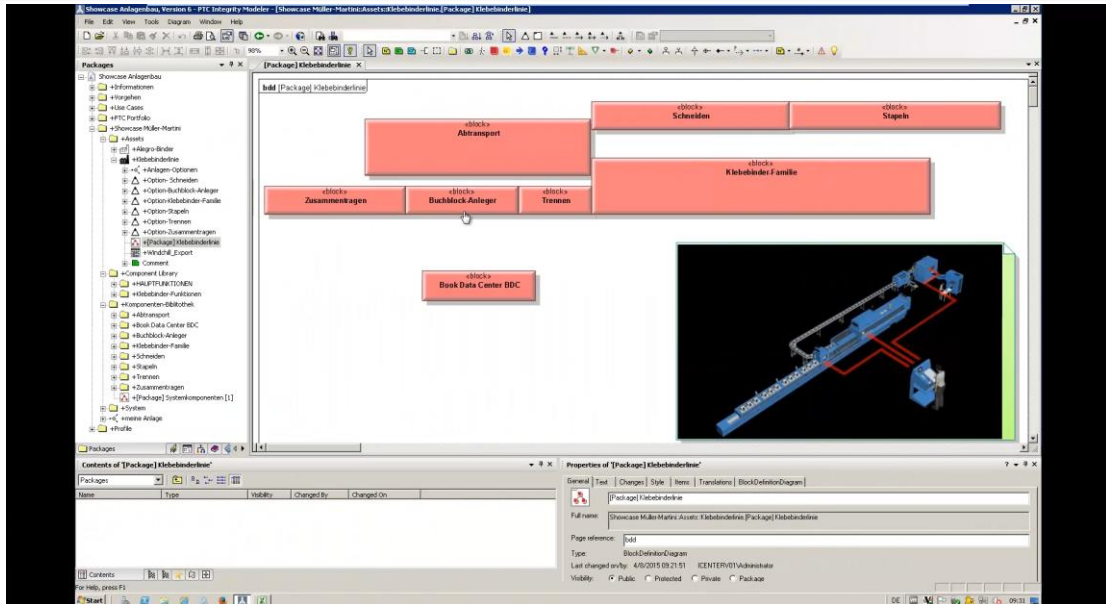
Functional Design

Variant Design

Variant Composition

Virtual Assembly





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Define Requirements on existing standards

Change management & Version compare

Collaboration on one data

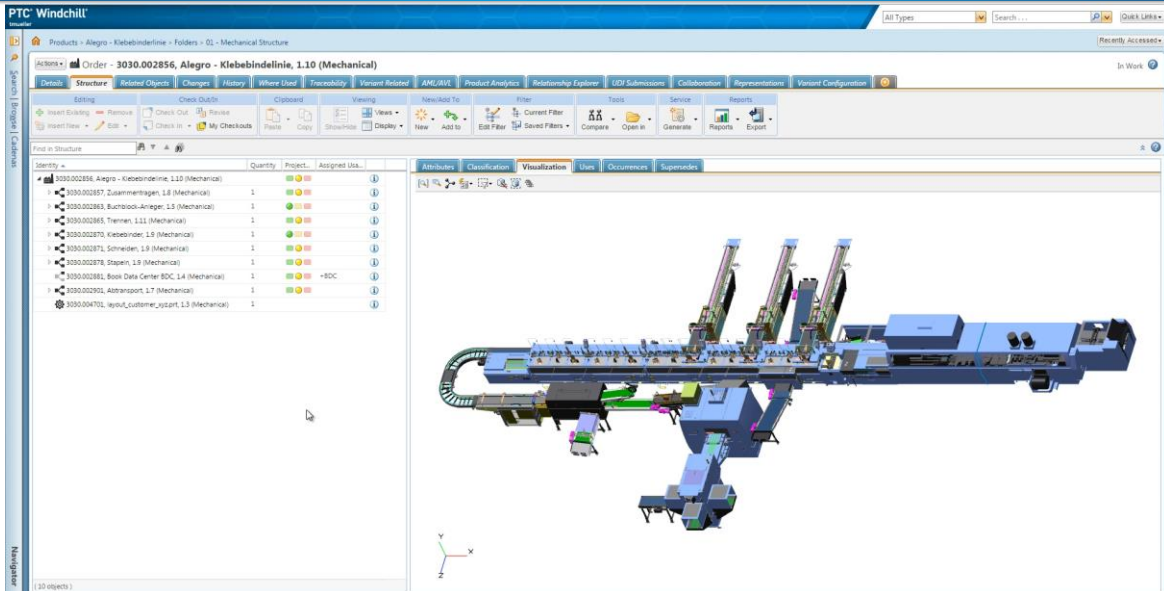
Reports on open issues



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Systems configuration and change management in PTC Windchill

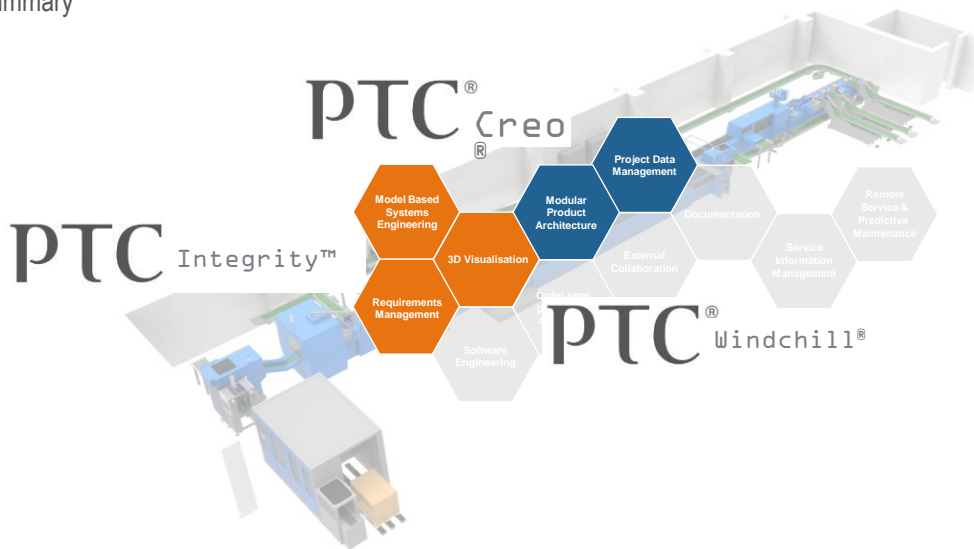
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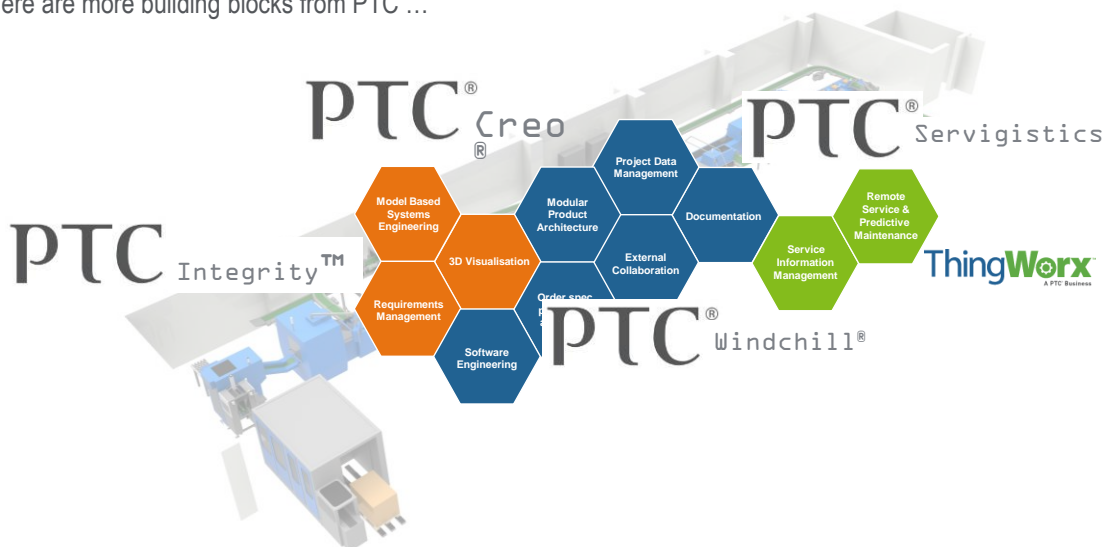
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Summary



There are more building blocks from PTC ...



... and additional building blocks at our booth!



- Your feedback is valuable
- Don't miss out on the chance to provide your feedback
- Gain a chance to win an instant prize!
- Complete your session evaluation now

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