

Why a Digital Thread makes a lot of sense

PLM Road Map & PDT Europe 2023

PLM Road Map™ EMEA & PDT Europe 2023
The Digital Thread in a Heterogeneous, Extended Enterprise Reality
A call for PLM Professionals to share their knowledge & experience

CIMdata® 15 & 16 November 

Why a Digital Thread makes a lot of sense

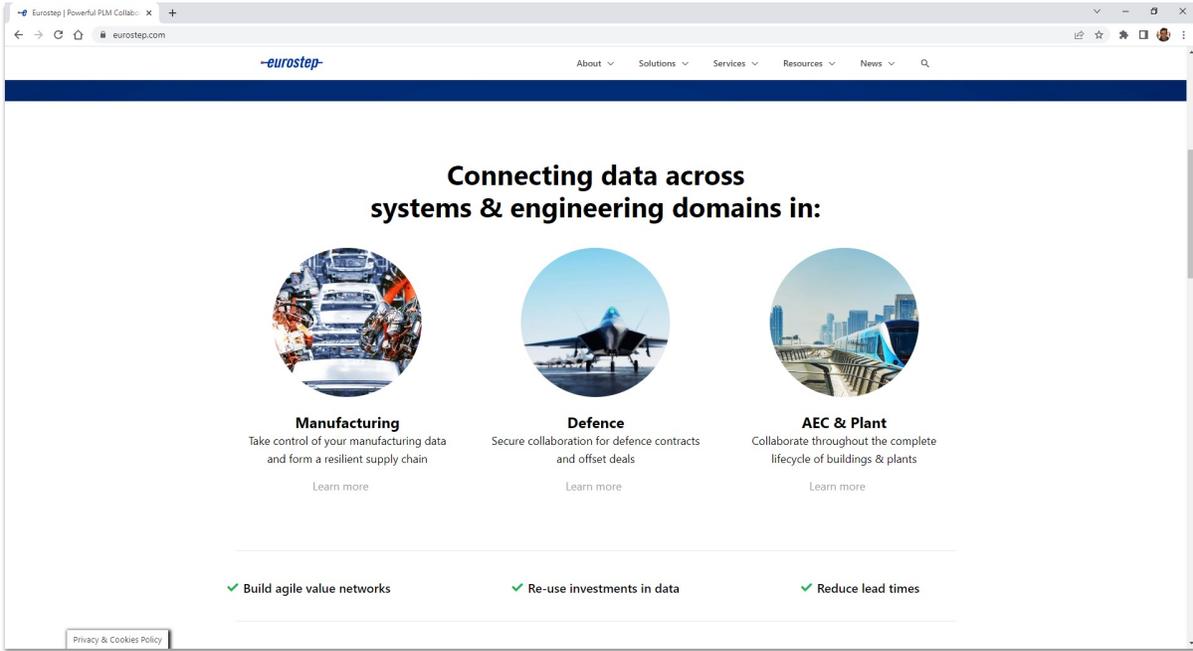
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CEO Eurostep

15-16 November 2023

For more information:

<http://www.eurostep.com>


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The screenshot shows the Eurostep website homepage. At the top, there is a navigation bar with the Eurostep logo and menu items: About, Solutions, Services, Resources, and News. The main heading reads "Connecting data across systems & engineering domains in:". Below this, there are three circular icons representing different domains: Manufacturing (showing a factory), Defence (showing a fighter jet), and AEC & Plant (showing a city skyline). Each icon is accompanied by a brief description and a "Learn more" link. At the bottom, there are three green checkmarks with corresponding text: "Build agile value networks", "Re-use investments in data", and "Reduce lead times". The footer includes a "Privacy & Cookies Policy" link, the copyright notice "© Eurostep | 2", and the Eurostep logo.

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The digital thread

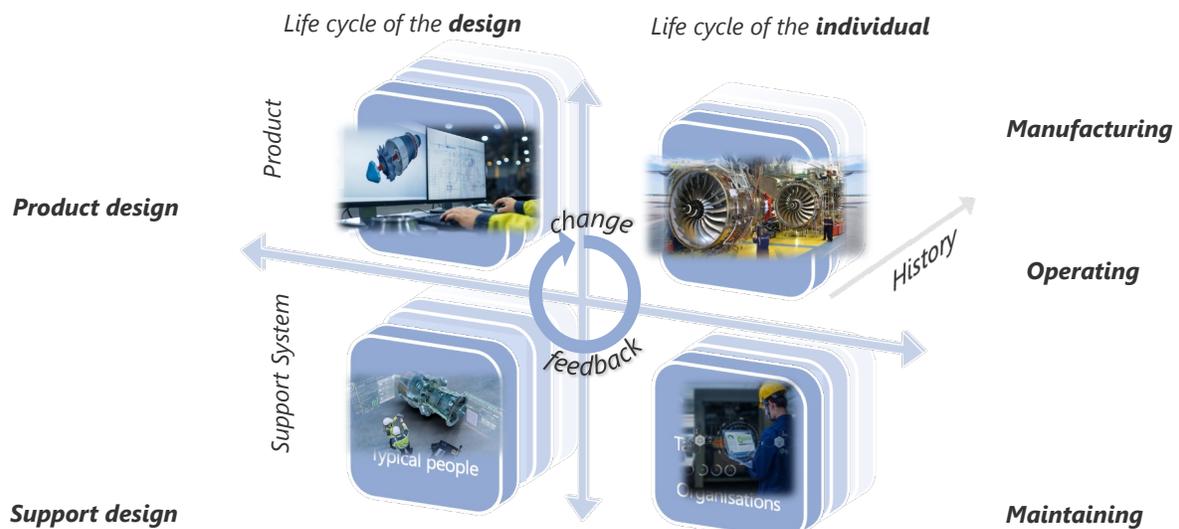


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Digital Thread Objective

To keep the *information* needed to:
operate and maintain a product
aligned with the *changing* product over its *life cycle*.

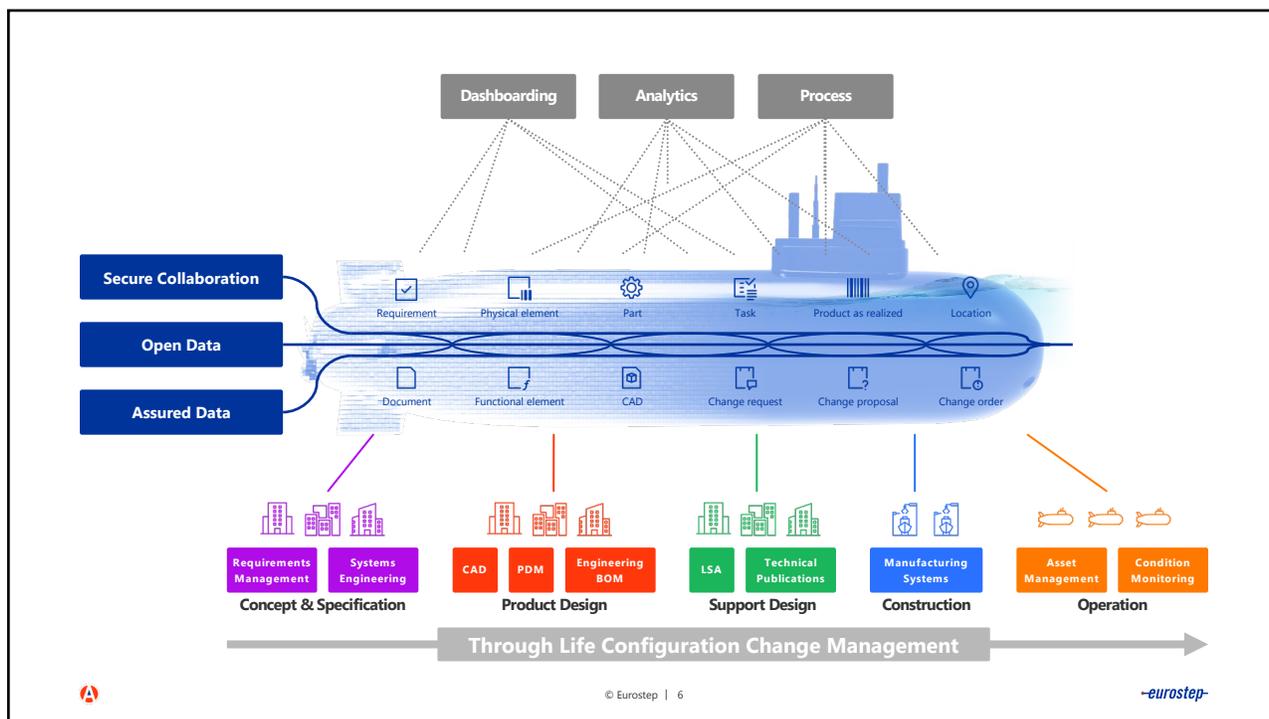
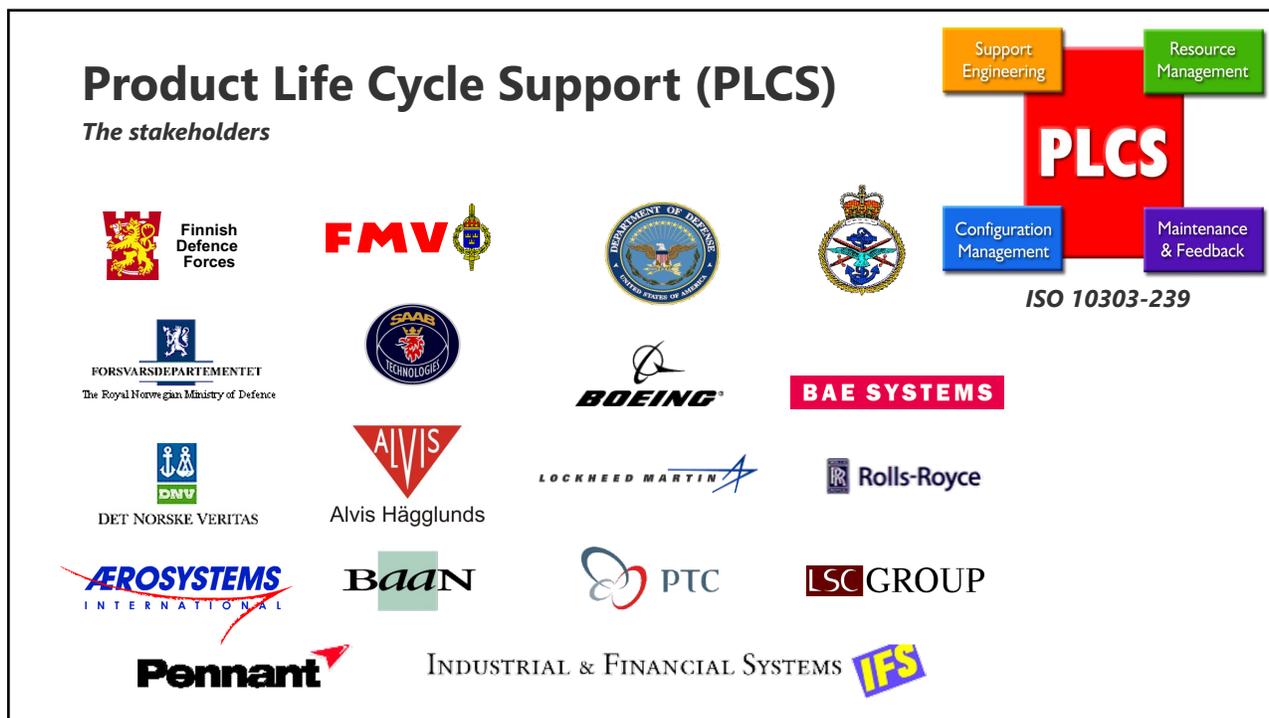


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Digital Thread Challenges

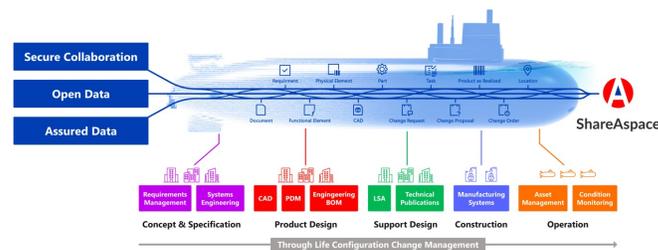


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Digital Thread Challenges – Business & Process

- Cross domain
 - Cross budget
 - Cross decision makers
 - Process agnostic
- So...
- Who cares?
 - Who pays?



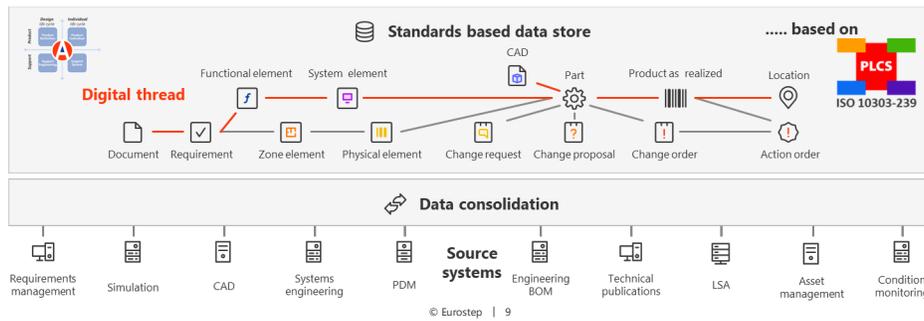
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Digital Thread Challenges – Solutions & Applications

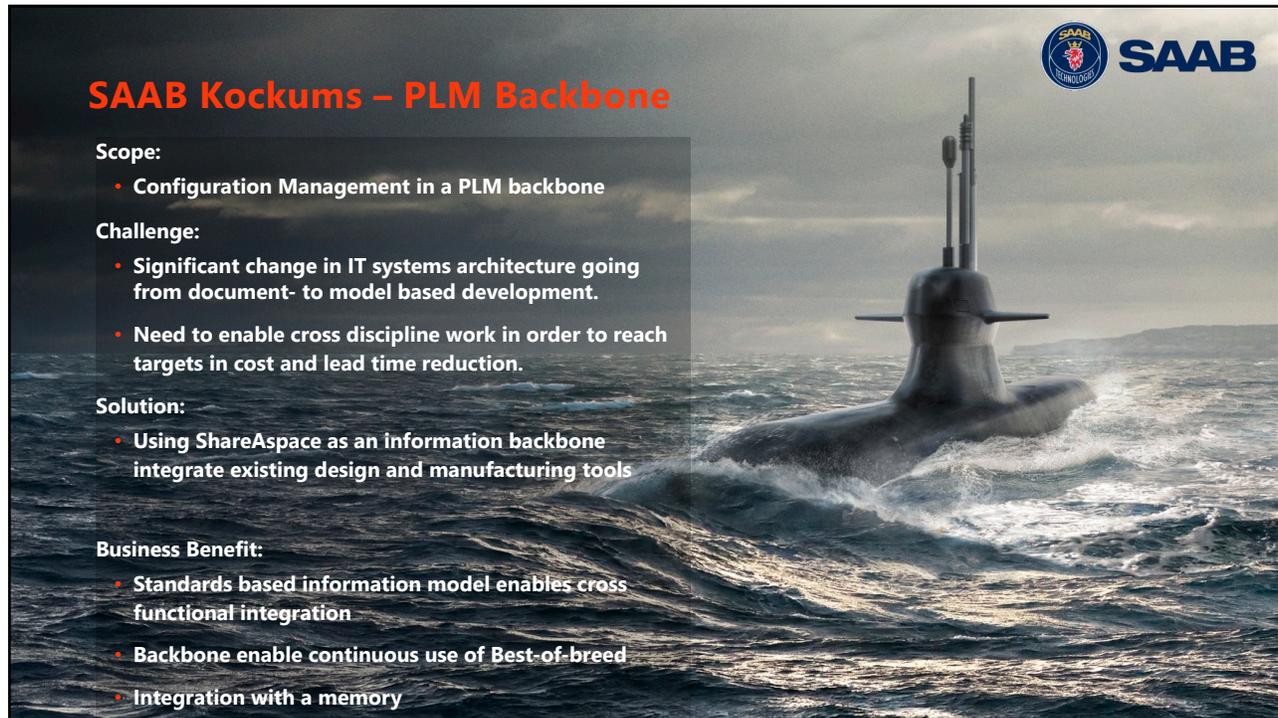


Use case



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SAAB Kockums – PLM Backbone

Scope:

- Configuration Management in a PLM backbone

Challenge:

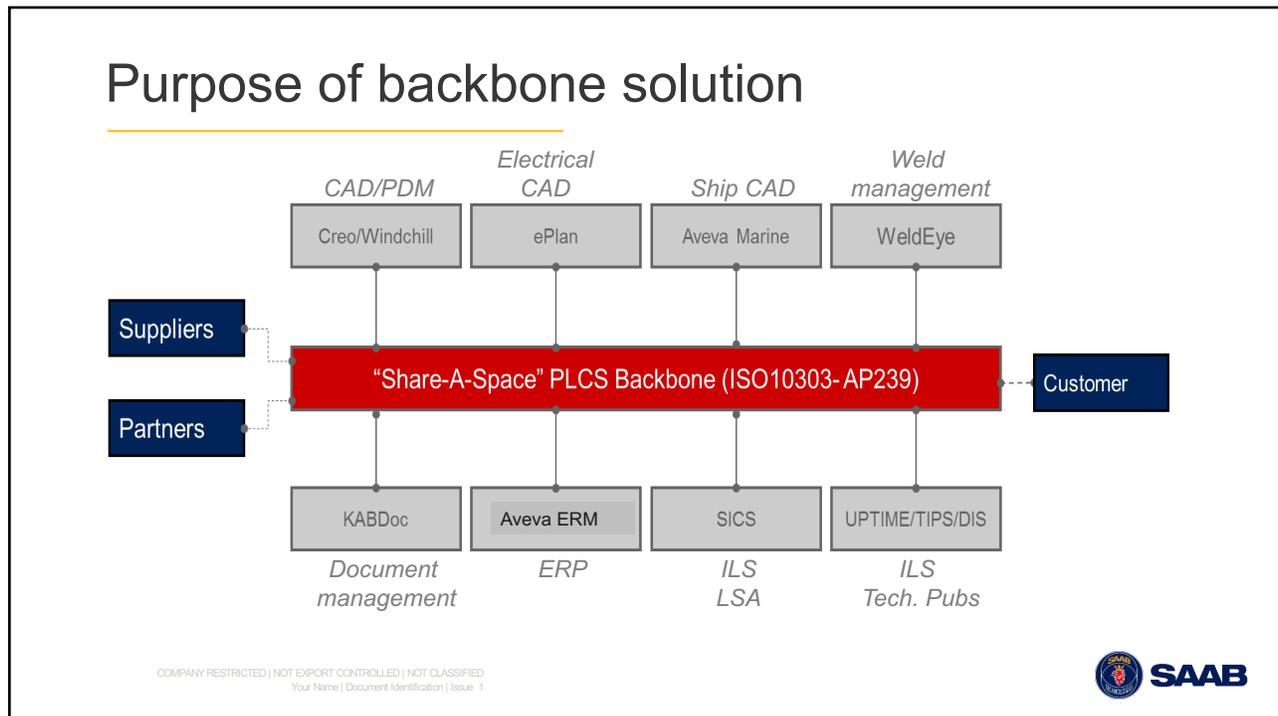
- Significant change in IT systems architecture going from document- to model based development.
- Need to enable cross discipline work in order to reach targets in cost and lead time reduction.

Solution:

- Using ShareAspace as an information backbone integrate existing design and manufacturing tools

Business Benefit:

- Standards based information model enables cross functional integration
- Backbone enable continuous use of Best-of-breed
- Integration with a memory



Conclusions

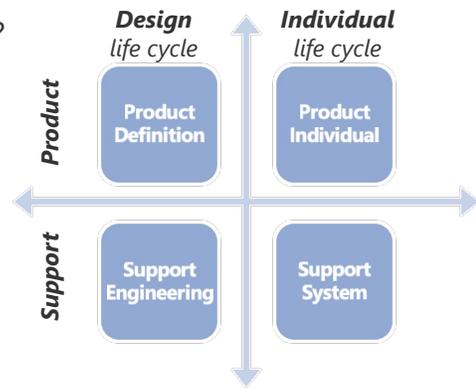


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Conclusions

- Who owns and decides on the Digital Thread?
- The Digital Thread requires an information framework to provide the context
- Information coherency & data quality is critical
- One system will not do it all
- One standard won't cover it all
- Big bang not recommended, there are quick wins along the thread...



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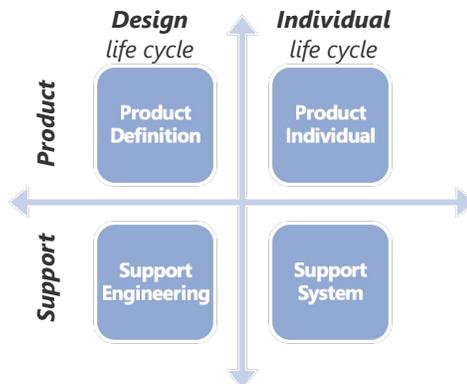
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What's up moving forward?

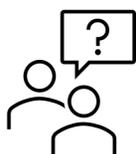
- What is the role of AI?
- Will Sustainability drive the Digital Thread?
- Legislation such as Digital Product Passport
- Need for Federation or Single source?
- How to manage Security in heterogeneous environments?



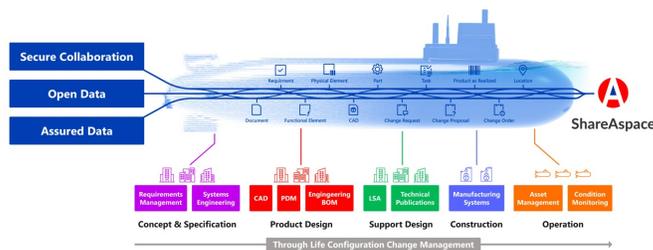
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Thank you any questions?



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