

- 1. Need elicitation with MBSE
- 2. System and safety consistency
- 3. System Architecture to Cosimulation
- 4. Digital continuity for MBSE

Models and Information Sharing in Extended **Enterprise** 

## **Value Proposition**

Accelerating and extending the scope of Systems Engineering analyses thanks to a unified vision of structural architecture, across domains and within the Extended Enterprise (EE).

#### Main challenges



Take into account heterogeneity between EE stakeholders' data, methods & tools.



Make each stakeholder comfortable with the exchange of data regarding confidentiality.

### **Proposed solution**

MOISE has developed a Proof Of Concept, called TeePee ("TeePee is an enhanced engineering platform for the extended enterprise), that demonstrates the key concepts allowing the digital continuity in the Extended Enterprise.





Viewpoints (datamodel and glossary) formalize the information to be exchanged.



Each company keeps full control of the storage of its own System Engineering data and manages its publication.



Each company can access other stakeholders' data only to the extent of its rights on published viewpoints.

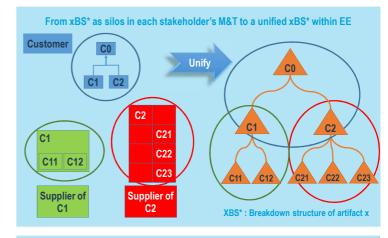


 Modular web-based services provided through a REST API allow the implementation of connectors with virtually any technology.



Visualization of analyses results includes dynamic interactions and customizable dashboarding with dedicated tools like SQUORE

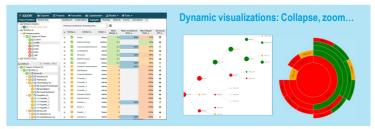
# Considered use case **Example of EE using TeePee** Customer :: SQUORE Model Work Supplier2 Supplier1 Supplier4 Supplier3

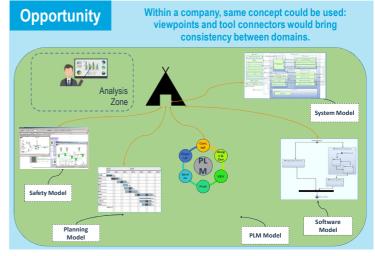


#### 7 viewpoints focused on structural architecture

- Operational Stakeholders
- Functional Breakdown
- Functional Flows
- Constituent breakdown
- Physical interactions
- Function Allocation to Physical Constituent
- Functional Flow Allocation to Physical Interaction











:::SQUORING





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