TOPLOGIC
THE AUTOMATED APPLICATION ENGINE

@

COOL COMPACT OSADL ONLINE LECTURES

MODEL-CENTRIC NO-CODE PLATFORM

Neu-Isenburg, Germering, December 10, 2025

ABOUT ME

TOPLOGIC THE AUTOMATED APPLICATION ENGINE @ COOLE COMPACT USABLE ONLINE LECTURES

40 years at a major Bavarian motor vehicle manufacturer

1. **Central IT department**
   - Programming, data center control
   - Software engineering: CASE tools, data and process modeling, company-wide data model
   - ➢ **Learning: Many media breaks in the development process!**

2. **Development department**
   - Decentralized IT architecture
   - Product development process
   - Multi-project management
   - Change management
   - Reporting and steering product projects
   - ➢ **Learning: Huge data redundancies!**

DEMO PROCEDURE

TOPLOGIC THE AUTOMATED APPLICATION ENGINE @ COOLE COMPACT USAGE ONLINE LECTURES

- Explanation of Syncra system architecture
- Classification in an exemplary technical environment, identification of the first error in the app
- Highlight 1: TopLogic NoCode, Changing a process
  - How is modeling done?
  - How are data and object models related?
  - How is the process model related to roles and rights?
- Analysis of the product in Syncra, identification of the second error
- Highlight 2: TopLogic NoCode, Changing the object model and effects on the app
  - How is modeling done?
  - What do we need to do to fix this error?
- Highlight 3: Historical data storage
  - History curves, historical parts list
- Conclusion

SYSTEM DESIGN OBJECTIVES

1. **Development of a system that does not require media breaks between the design documents and the executable system.**

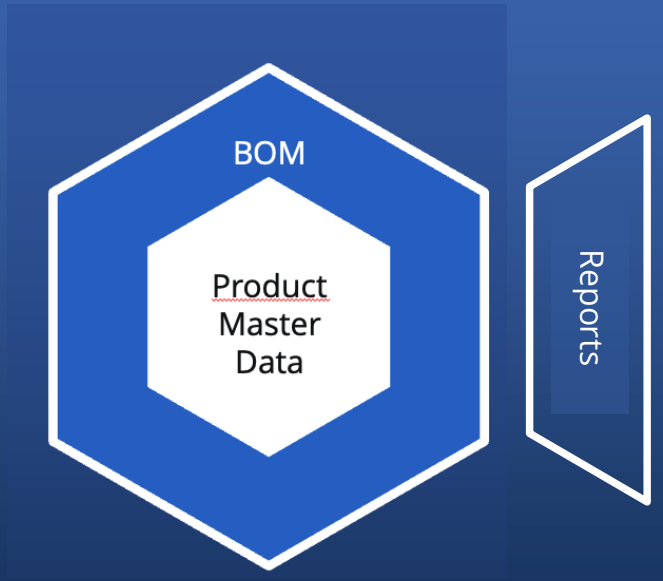
2. **Reduction of data redundancy; data from all functions is available to all other functions.**

SYNCRA FUNCTIONS

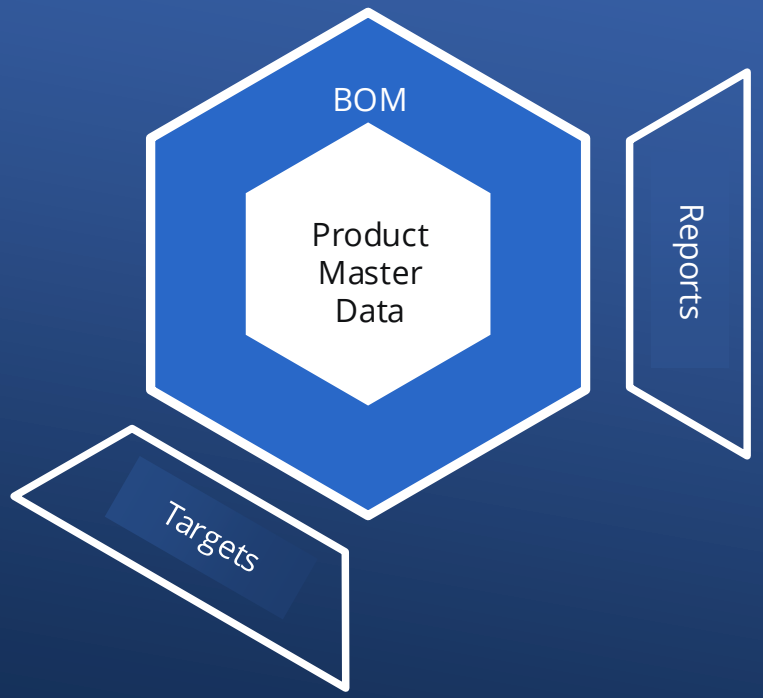
- Syncra contains the product master data and product bills of materials
- Risk management
- Supplier management
- Reporting
- Change management
- Target management
- Problem management

SYNCRA SYSTEM ARCHITECTURE

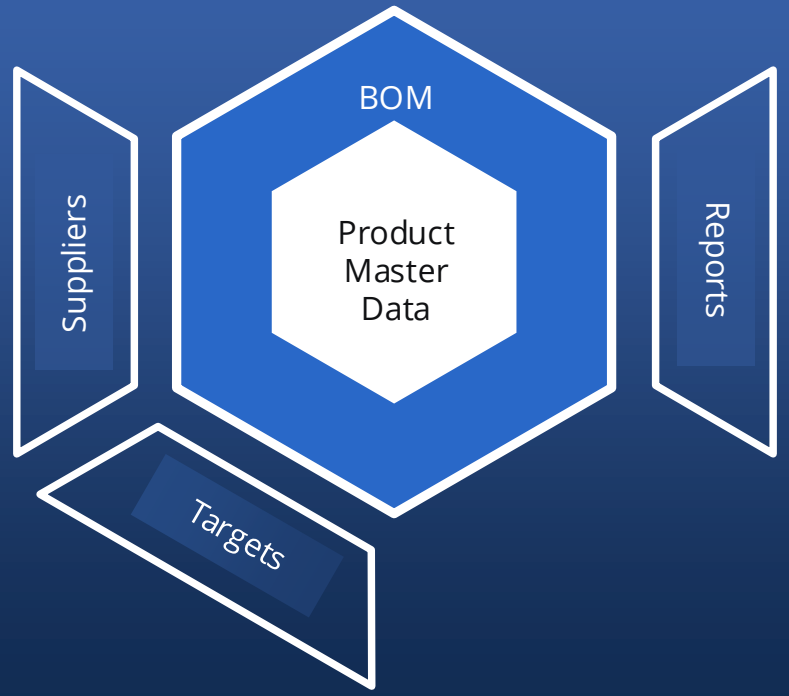
SYNCRA SYSTEM ARCHITECTURE



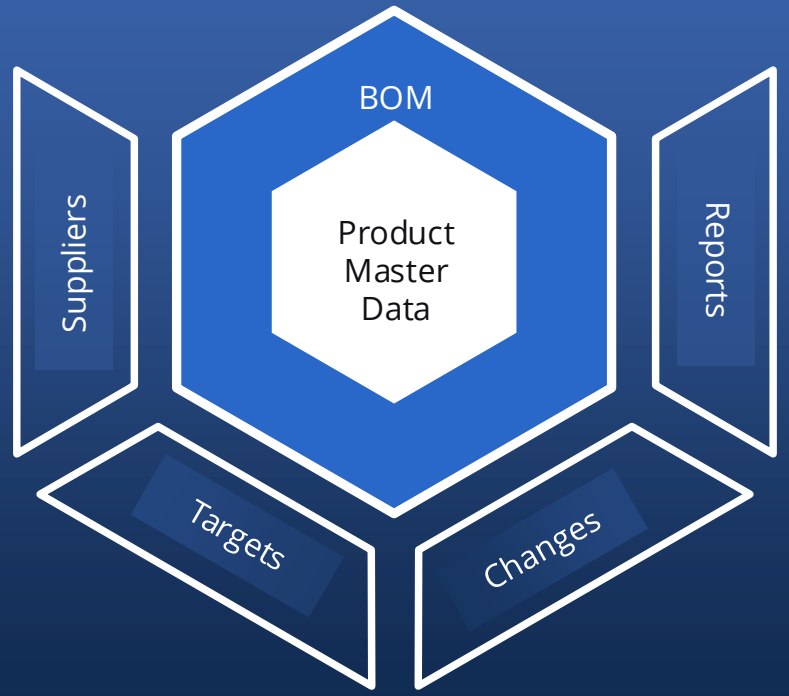
SYNCRA SYSTEM ARCHITECTURE



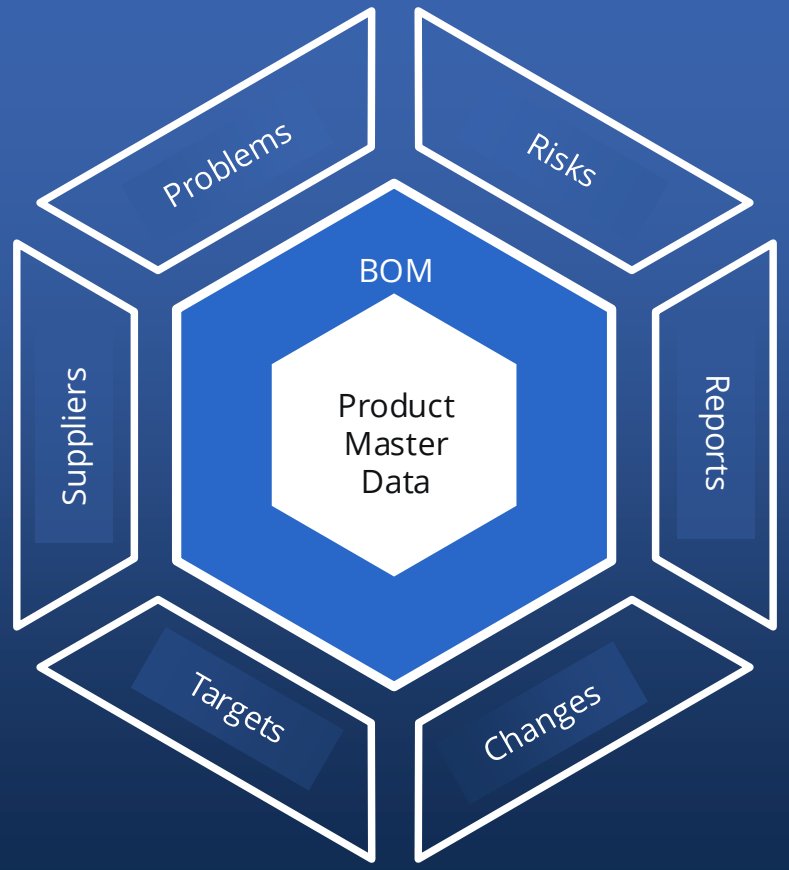
SYNCRA SYSTEM ARCHITECTURE



SYNCRA SYSTEM ARCHITECTURE



SYNCRA SYSTEM ARCHITECTURE



SYSTEM DEMO OF SYNCRA

CONCLUSION

TOPLOGIC THE AUTOMATED APPLICATION ENGINE @ COOLE COMPACT USABLE ONLINE LECTURES

- **No code**
  Changes to the object model can be used ad hoc in the application
  Example: Adding a contact person
- **Workflow engine**
  In-app linking of data and process models at runtime
  Example: Problem management
- **The model fully documents the application.**
- **Agile application development is highly supported**
  Rapid availability of functions for direct coordination with the user
- **Multiple structuring of the single point of truth**
  Tree structures, tables, forms, sample parts list
- **Versioning and historizing knowledge base**
  Any time travel through the database with low coding
  Example: Progress curves