# Study "How to" Matrix Production – an Operationalization Perspective





### SITUATION

- Matrix Assembly promises increased resilience, flexibility and sustainability levels
- In media cases of alternative assembly system structures are omnipresent
- A quantitative and operational perspective is always missing









#### TASK

- Identification of systems characteristics, and flexibility Key-Performance Indicators
- Proposition of actions for assembly planning, factory planning, and logistics
- Definition of production scenarios respecting Key-Performance and Flexibility Indicators
- Analysis of Partner-specific cases (Full-Matrix, Hybrid, No Matrix for given Scenarios)
- Creation of individual development paths for users



### ACTIONS & RESULTS

**Assessment** 

Conception

**Simulation** 

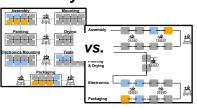


End of 2023

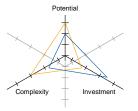


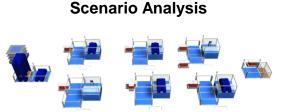


#### **Maturity Assessment**

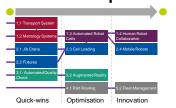


**Benefit-&-Efforts** 





#### Roadmaps



# STUDY PARTICIPANTS



Assembly System Operators



**Engineering Services** 



**Technology Providers** 

### EXPERT TEAM



XL ASSEMBLY





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