

# Künstliche Intelligenz in der industriellen Produktion



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## HYBRID-AI Combining Data-driven & Model-Based Simulation

 **DASSAULT SYSTEMES** | The 3DEXPERIENCE® Company



**Stephan Erben**, NETVIBES Senior Portfolio Manager



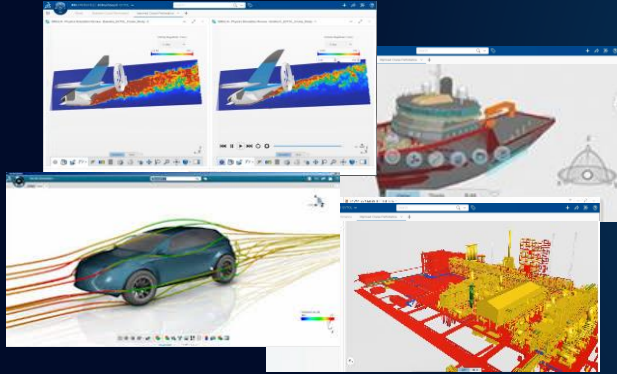
**Sebastian Kress**, Senior Sales Expert, 3DEXPERIENCE ENOVIA & NETVIBES



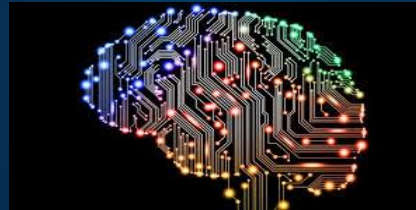
# 3 Major Pillars to Drive Change

Leveraging “Information Intelligence” to make the right decision, at the right time.

SCIENCE  
MOD | SIM



DATA SCIENCE  
BIG-DATA+  
ARTIFICIAL INTELLIGENCE

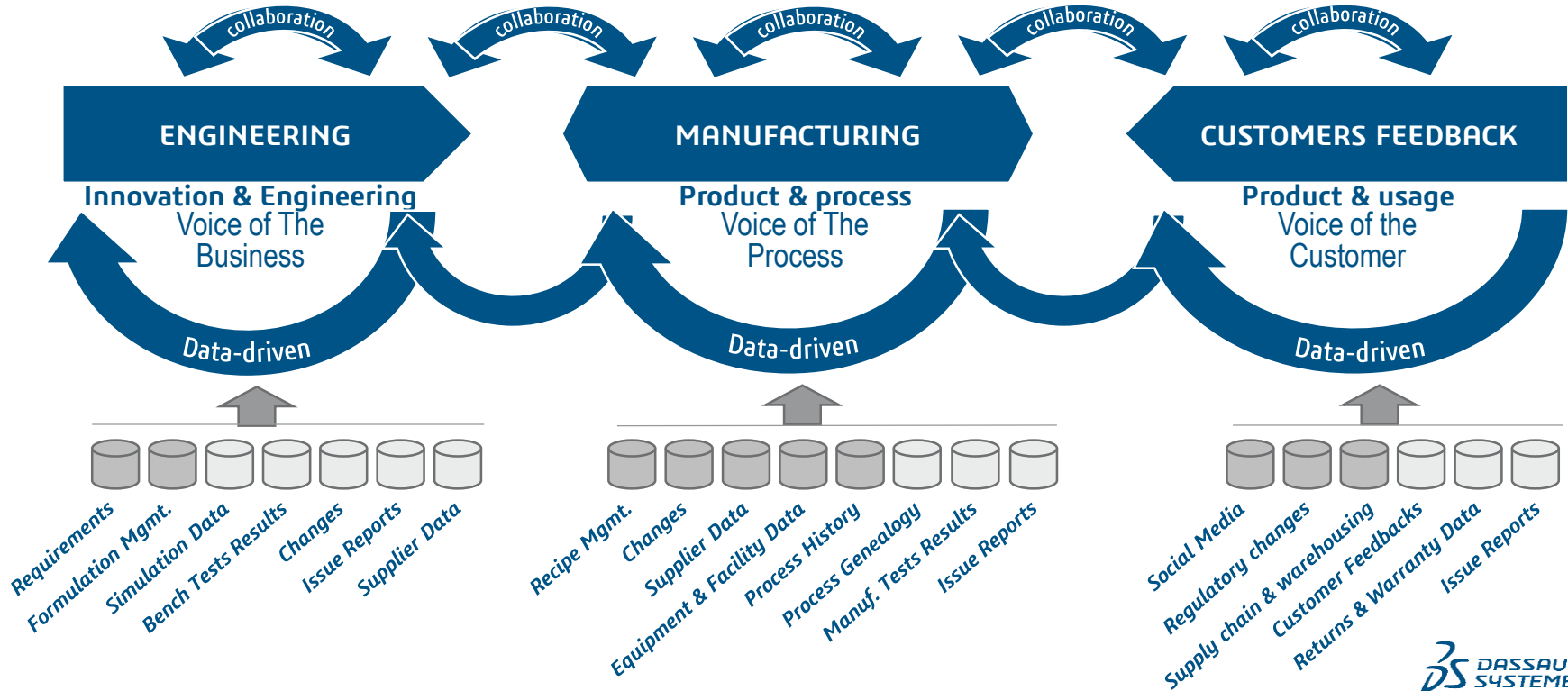


COLLABORATION  
& ACTIONABILITY

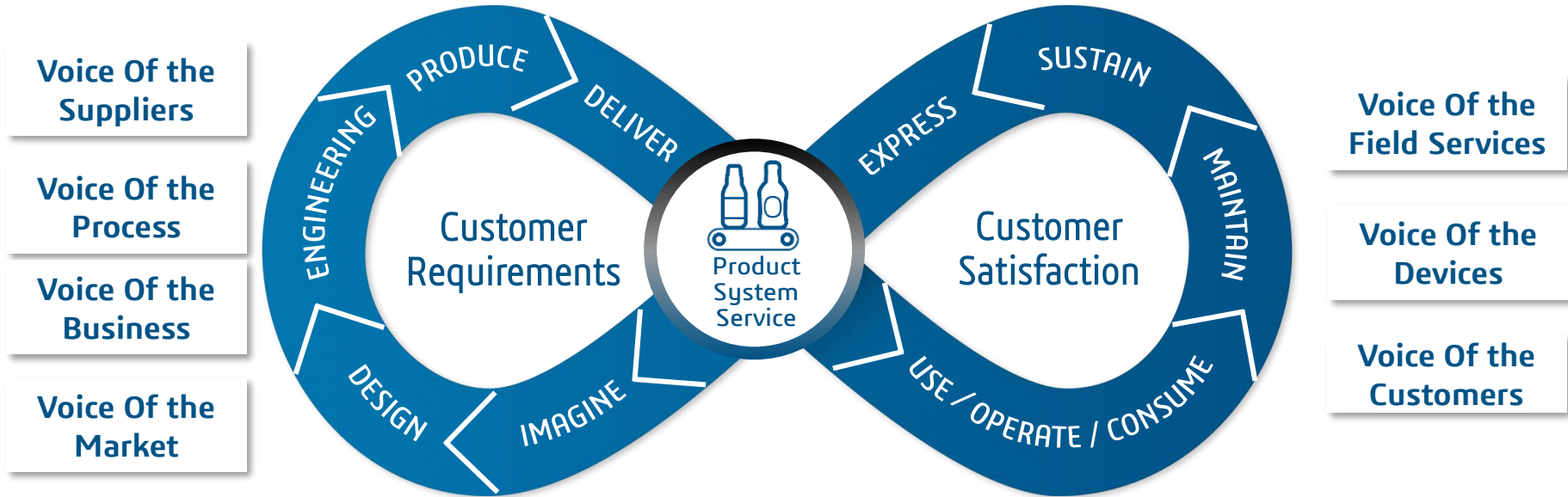


# How to Enable Feedback Loops In Siloed Organizations?


















Enabling data-driven communication between processes & collaboration between people



# Building Relations between Internal/External Sources is Enabling Continuous Improvement & Fostering Innovation

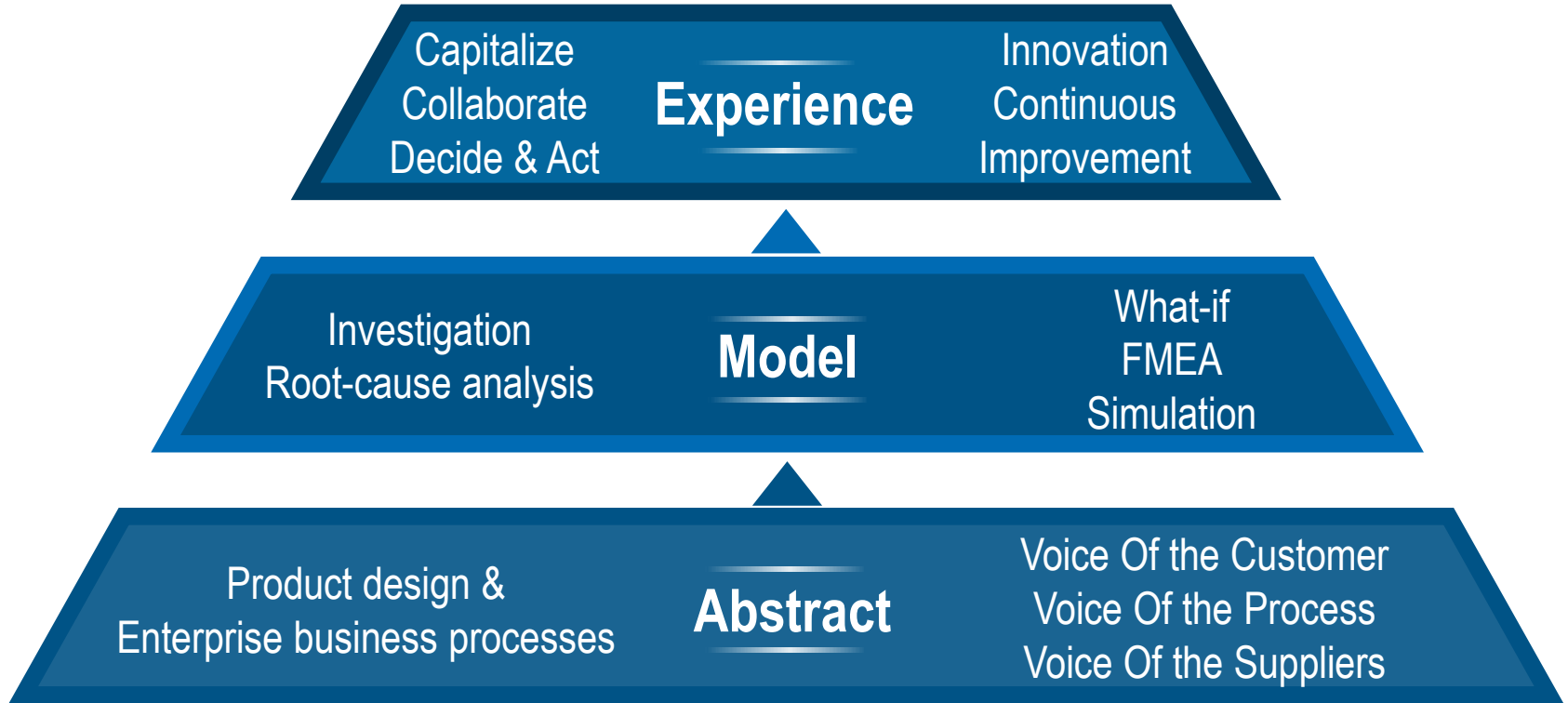


# Consolidation of Multiple & Heterogeneous Data Sources

 Technical Requirements	 Design & Engineering	 Simulation data	 Bench test results	 Engineering Changes	 Failure mode & Effect Analysis
 Processes Design	 Manufacturing BOM	 Supplier data	 Quality & derogation Mgmt	 Production & Assembly	 Process history
 Product genealogy	 Maintenance & repair activities	 Spare parts	 Performance and IoT data	 Customer complaints	 Returns and warranty data

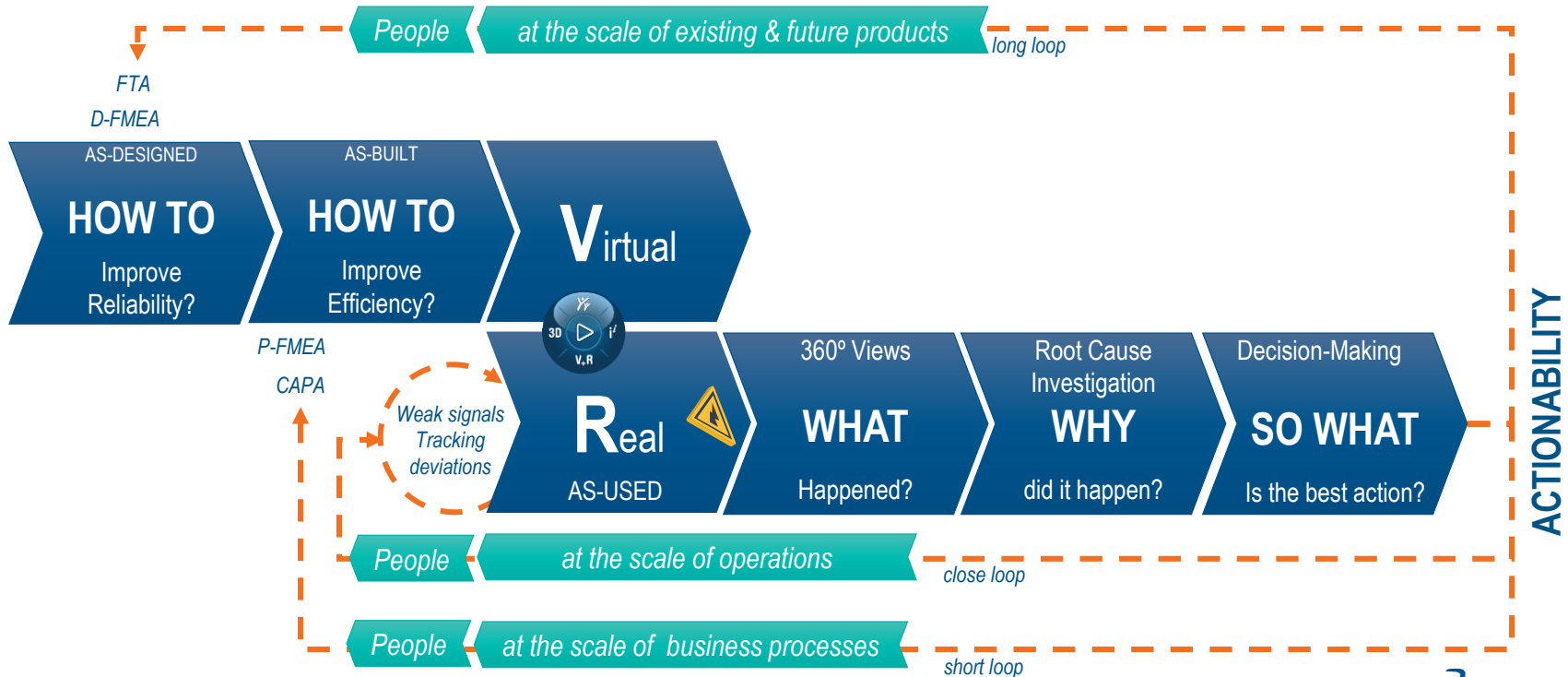
# Engage Continuous Improvement & Enable Innovation

Capitalize Knowledge, Collaborate, Decision-Making



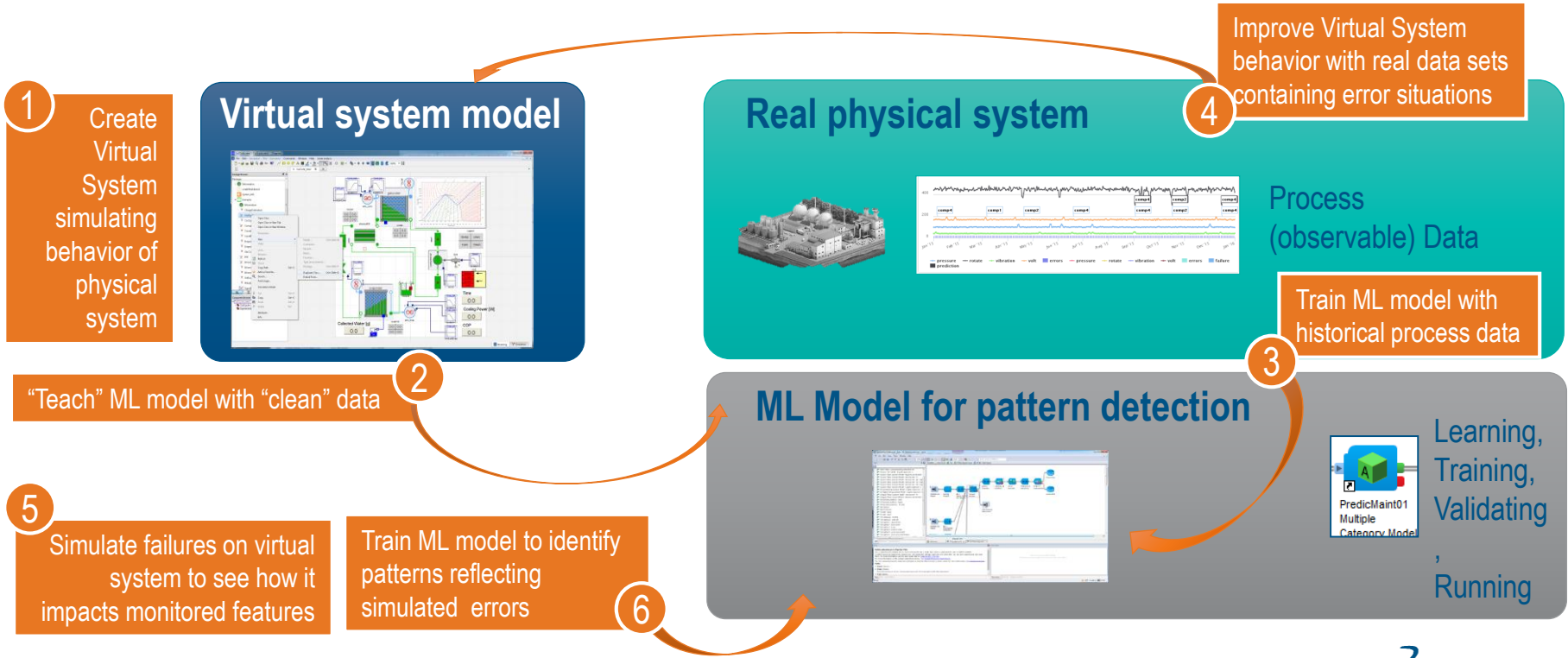
# Connecting Operations / Engineering / Design

Mapping Operational Data on a Model-Based System referential to know-what, why, how



# Using System Modeling To Speed-Up Model Training

Contribution to efficient reliability model creation







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# TIME FOR QUESTIONS

Thanks for your participation!

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