



PLATFORM SIMULATION IN ELECTRICAL ENGINE DEVELOPMENT - SEAMLESS DATA FLOW FROM REQUIREMENTS TO ASSEMBLY PLANNING



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PLATFORM SIMULATION IN ELECTRICAL ENGINE DEVELOPMENT

SEAMLESS DATA FLOW FROM REQUIREMENTS TO ASSEMBLY PLANNING



WELCOME.



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SIMULIA



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Industry Process Consultant
CATIA Systems



Nicolas Brossardt (BMW)

Project Lead
Platform Simulation (PLASIM)

KEYNOTE BMW.



Digitalization of our operating system.



Strengthening the core value creation.

DIGITAL ART OF ENGINEERING.

WHAT IS THE PLATFORM SIMULATION (PLASIM) VISION?

"THE NEW HOW" is powered by simulation.



We are up to date.



We master concept variants.



We enable collaboration.



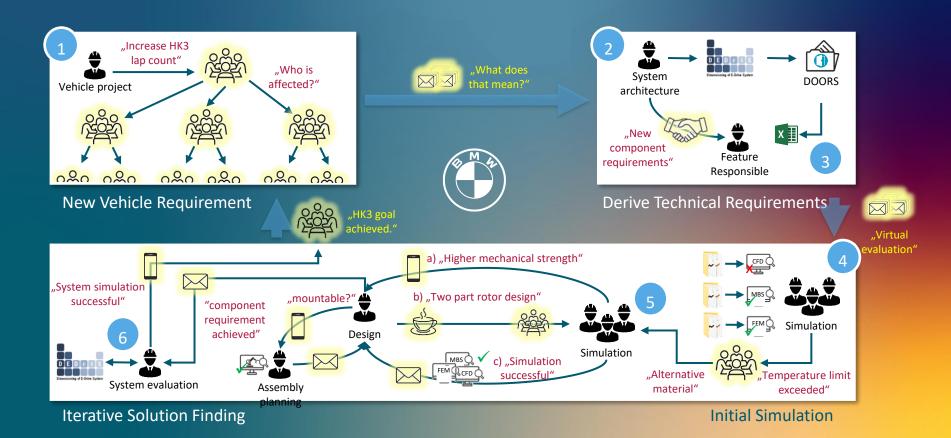
We live data consistency.



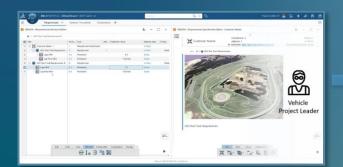
We guarantee a single point of truth.



PLASIM POC HEAT: SCENARIO.



PLASIM POC HEAT: VISION.



New Vehicle Requirement





Iterative Solution Finding



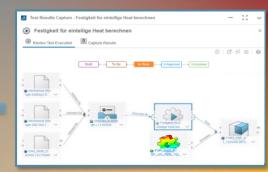






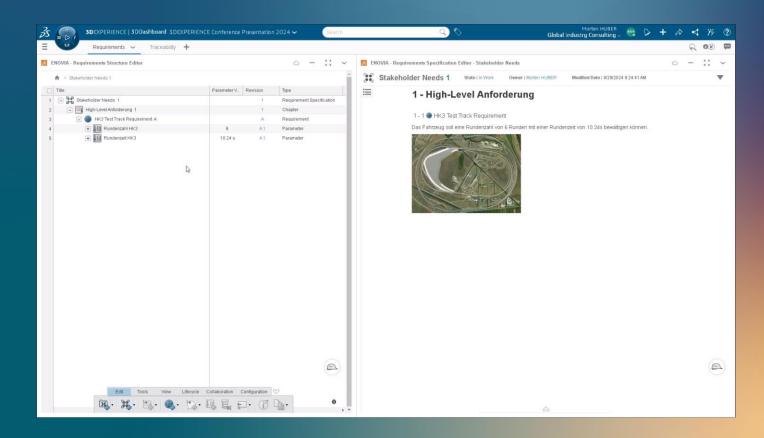
Derive Technical Requirements





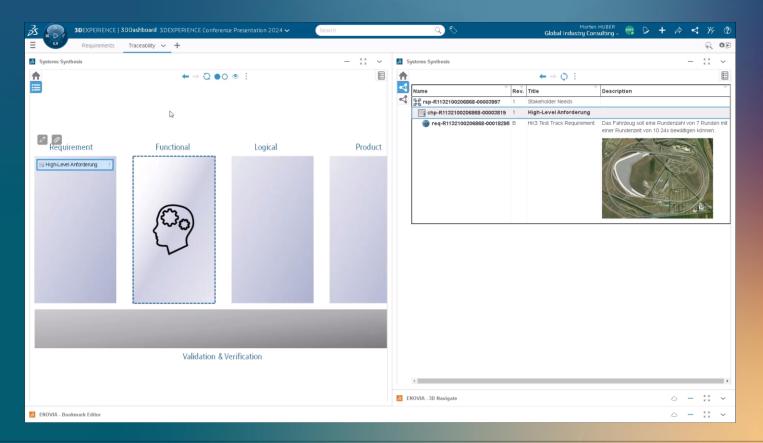
Initial Simulation

DEMO: New Vehicle Requirement.



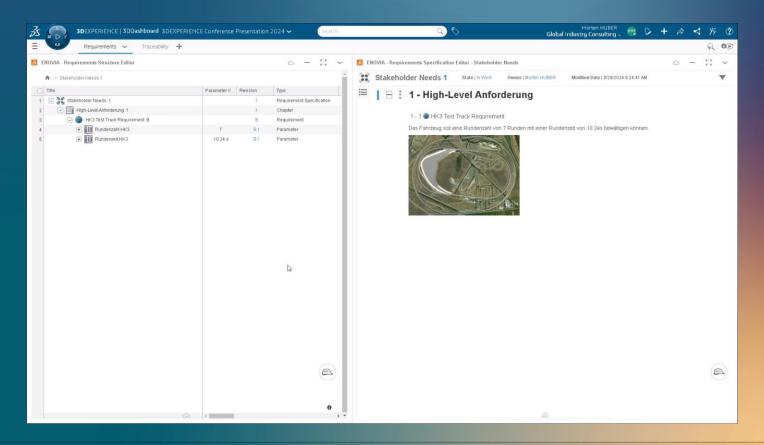


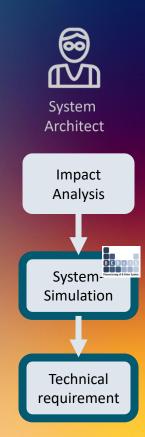
DEMO: Derive Technical Requirements.



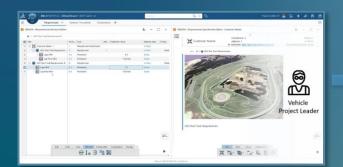


DEMO: Derive Technical Requirements.





PLASIM POC HEAT: VISION.



New Vehicle Requirement





Iterative Solution Finding



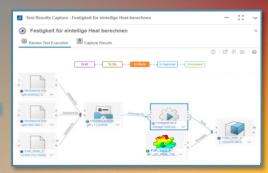




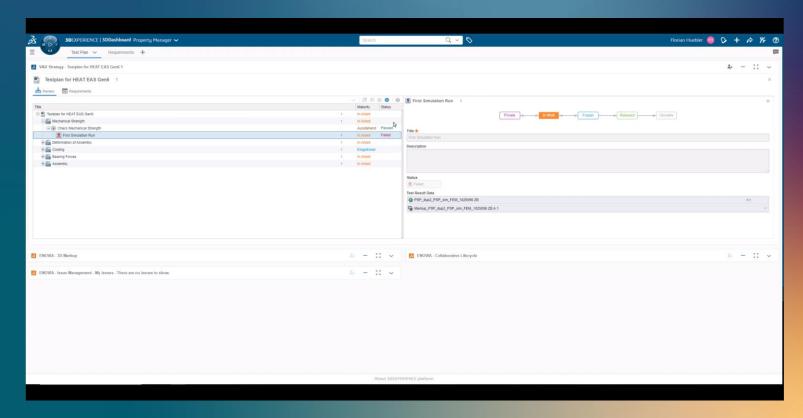


Derive Technical Requirements



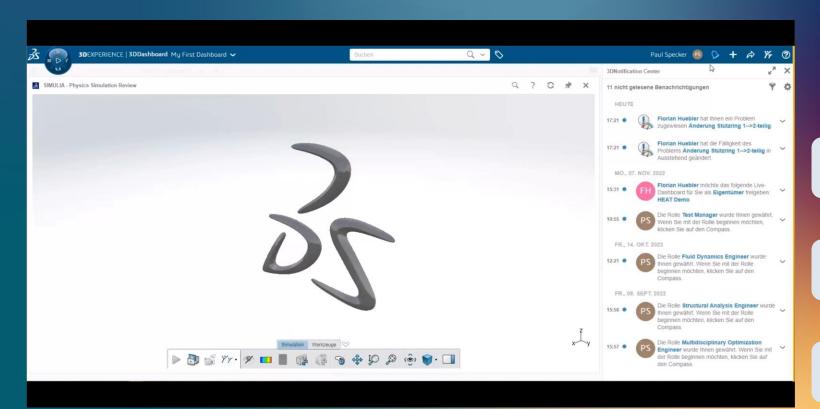


DEMO: Check Test Plan with New Requirement.



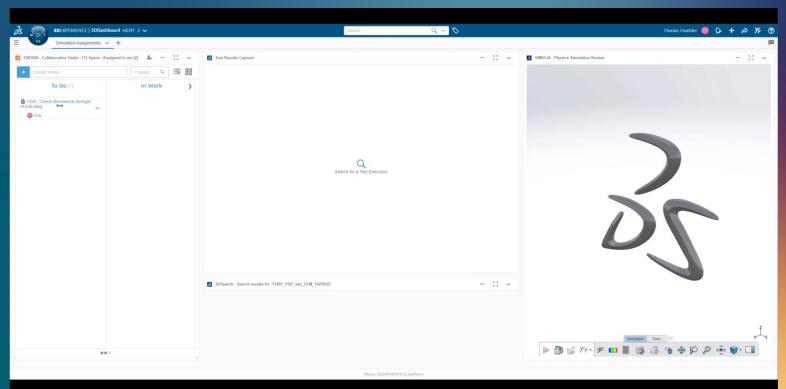


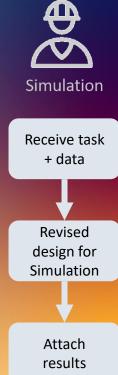
DEMO: Design Change.



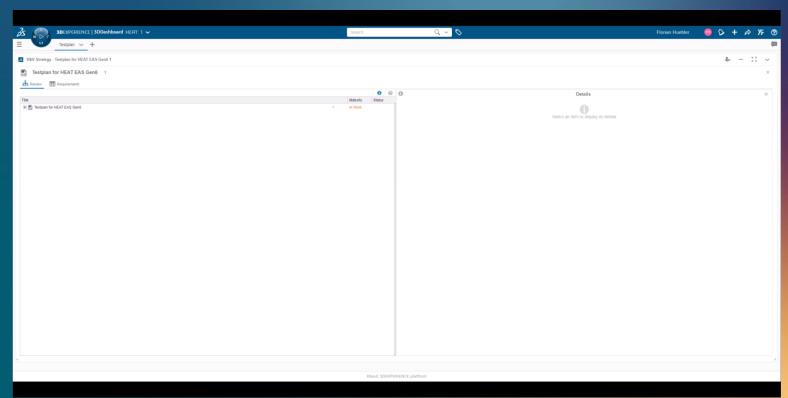


DEMO: Initial Simulation.





DEMO: Iterative Solution Finding.





CONNECTED ENGINEERING: PLATFORM SIMULATION.





3DX OOTB functionality.





WHAT IS THE BIGGEST CHALLENGE?



Seamless
INTEROPERABILITY and
flexible INTEGRATION in our
Engineering Platform.

"SIMULIA will be the new unified, open platform supporting all simulation domains."

Bernard Charlès, 2005

Support of Third Party Formats

Full API Access through Web Interfaces



Mesh Based Morphing

Comprehensive Functional Data Management

> Reliable Releases





THANK YOU FOR YOUR INTEREST