BETA

SIMULATION SOLUTIONS

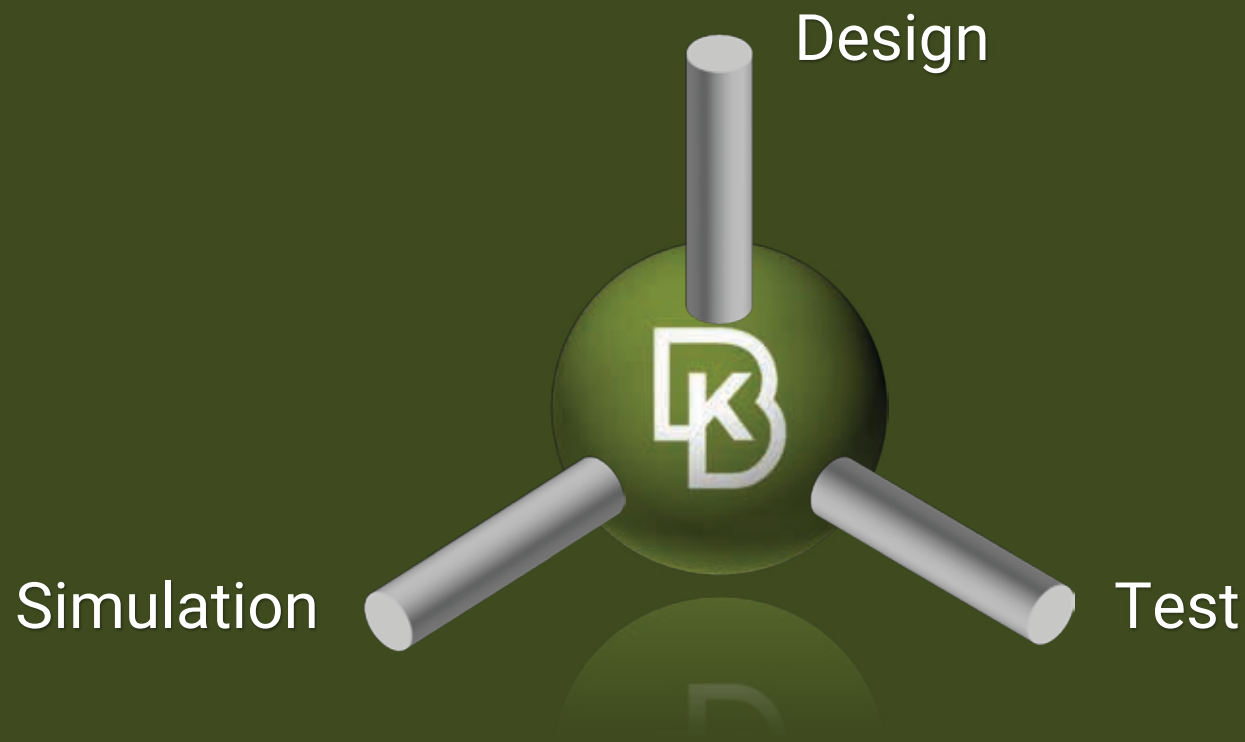
Groundbreaking Simulation Solutions

physics on screen

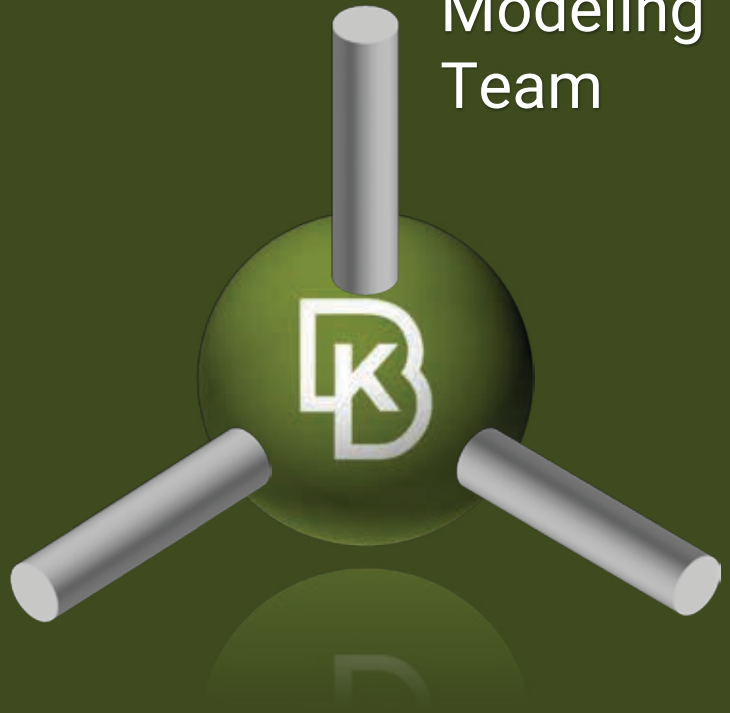
Reintroducing KOMVOS as a Simulation Data and Process Management Desktop client

Irene Makropoulou

KOM
tion

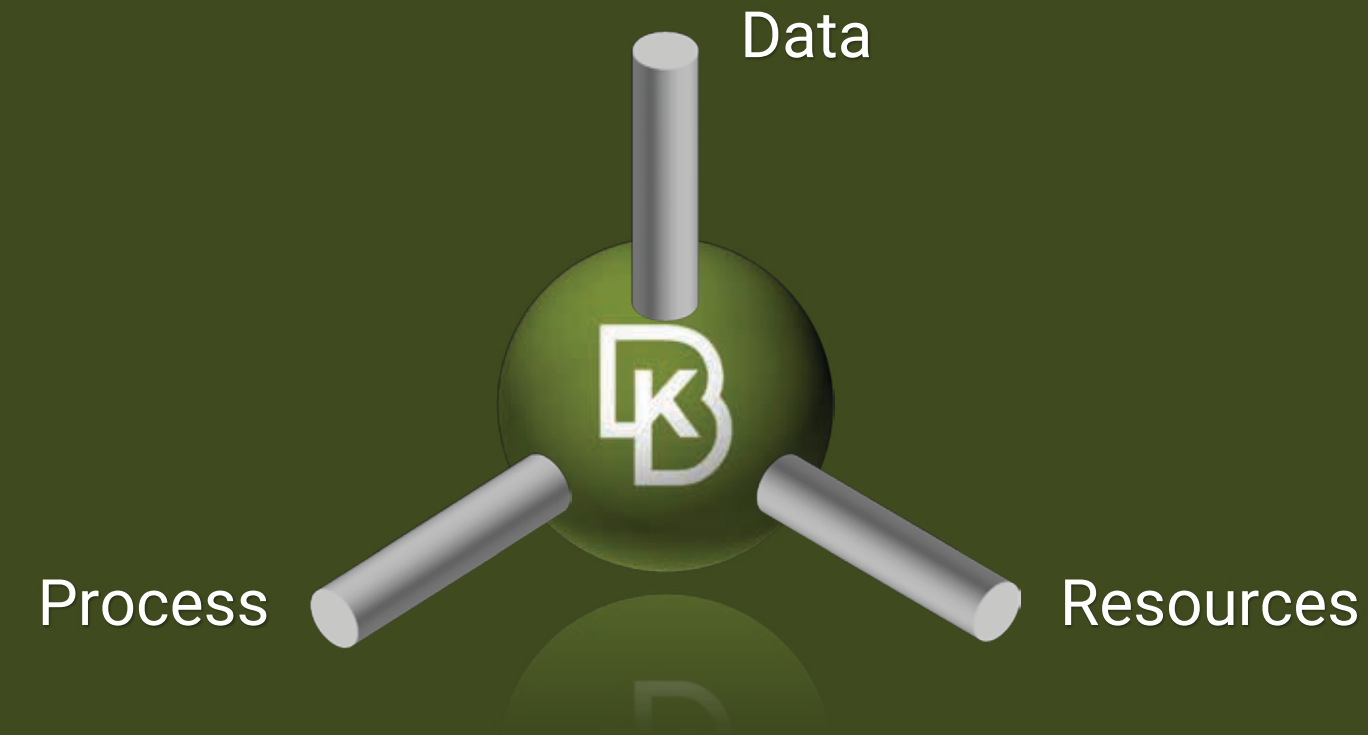

Design
Simulation
Test

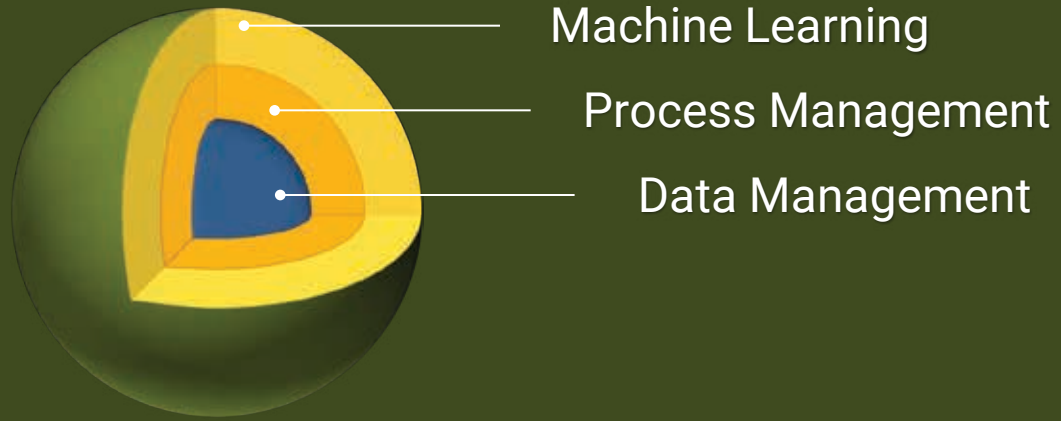
Modeling Team



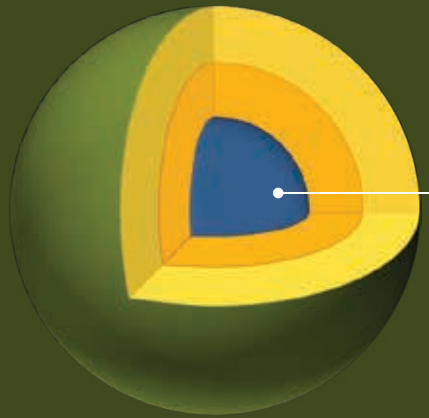
Simulation Engineers

Team Leaders & Managers


Data
Process
Resources


Machine Learning
Process Management
Data Management

Data Management



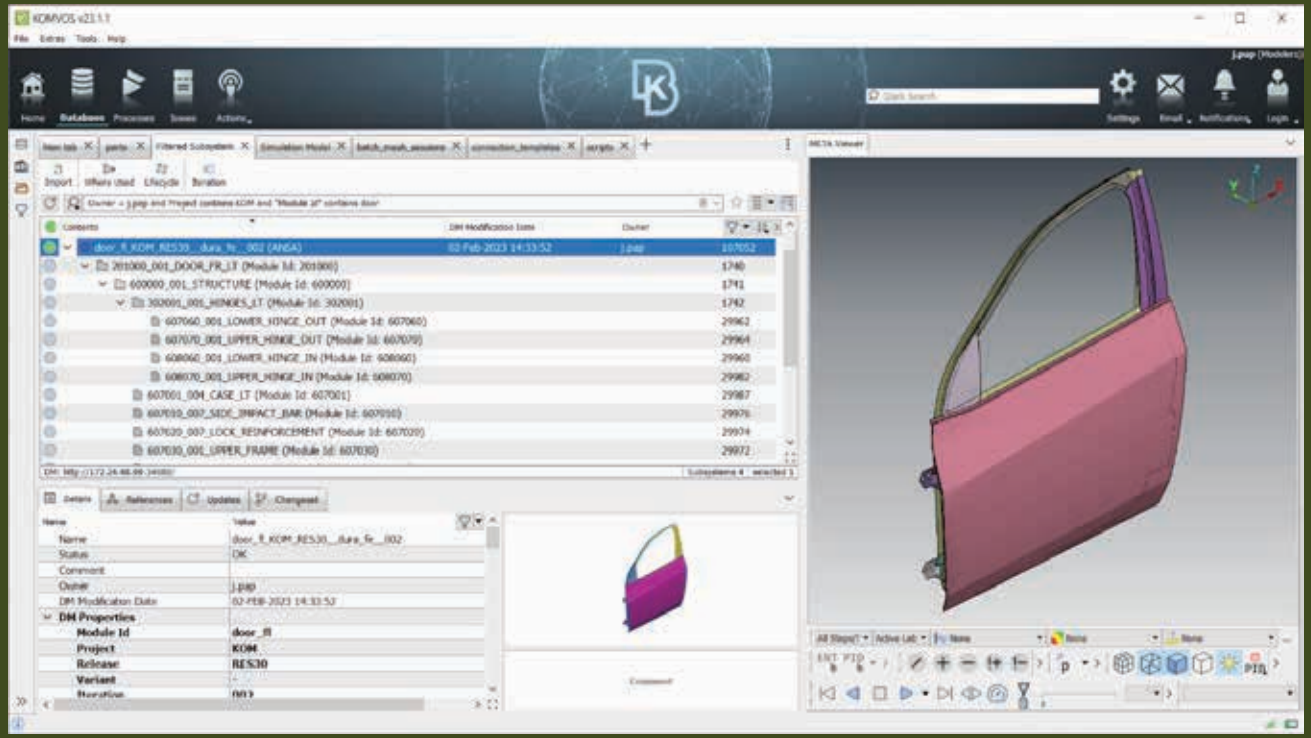
Machine Learning

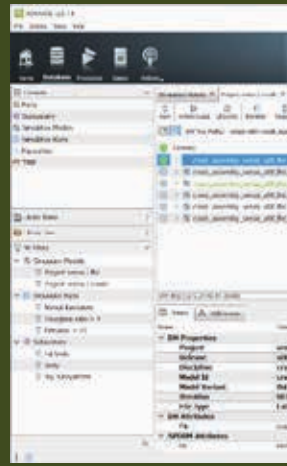
Process Management

Data Management

Data Management

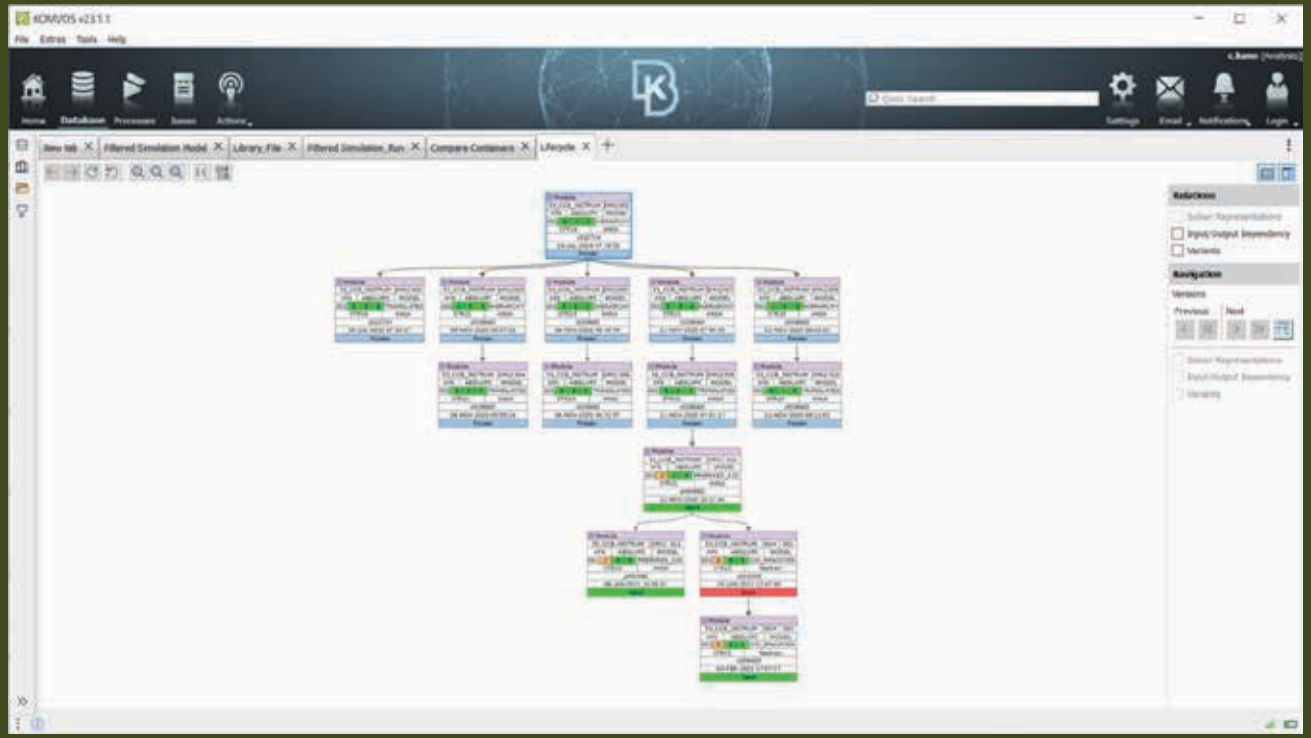
Data Browsing

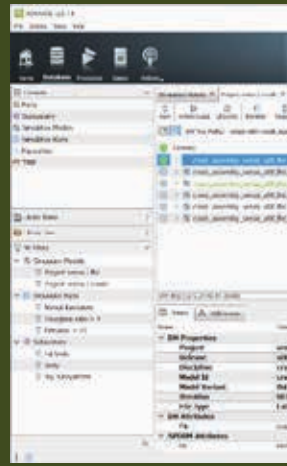




Data Management

Data Browsing

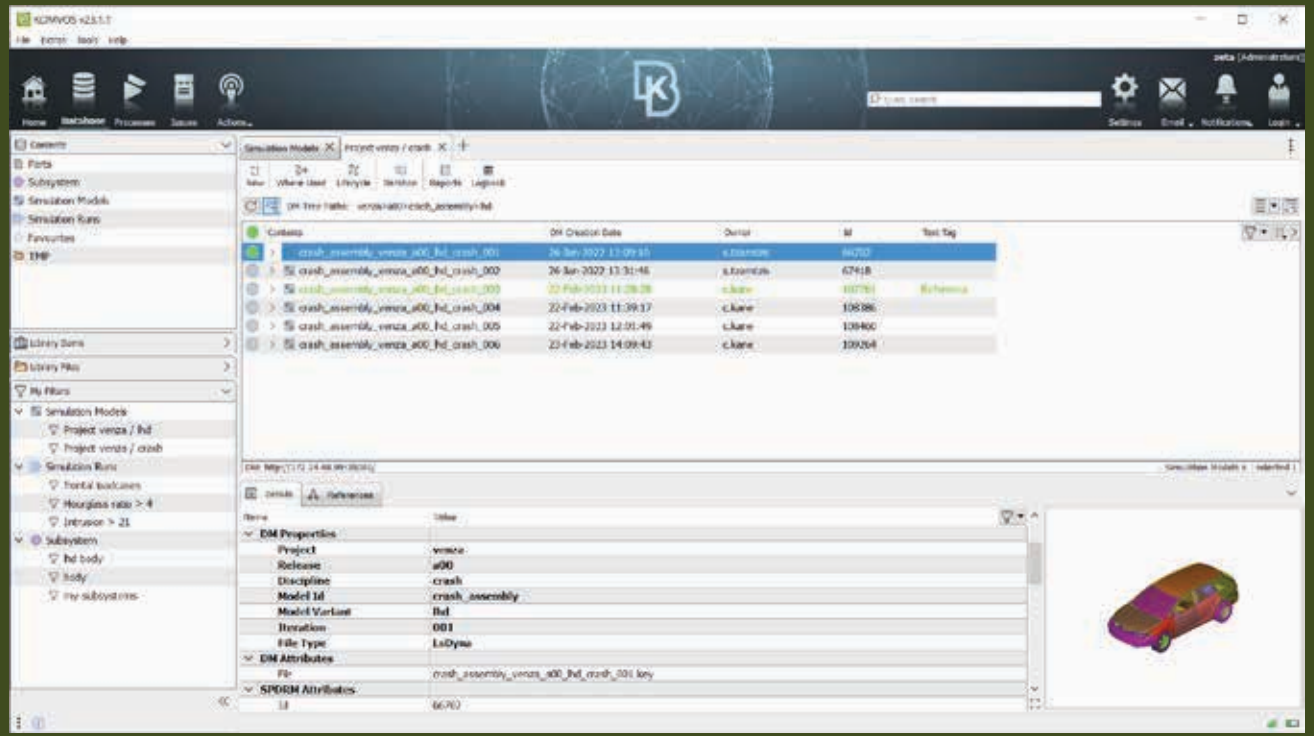


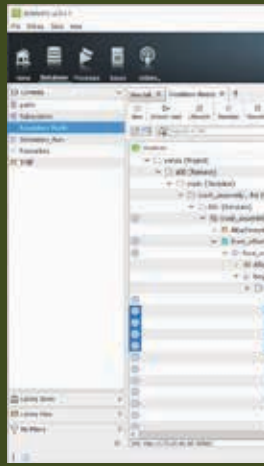


Data Management

g

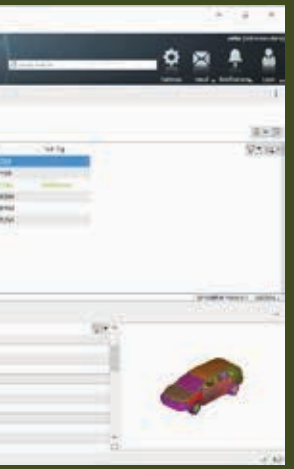
Data Search

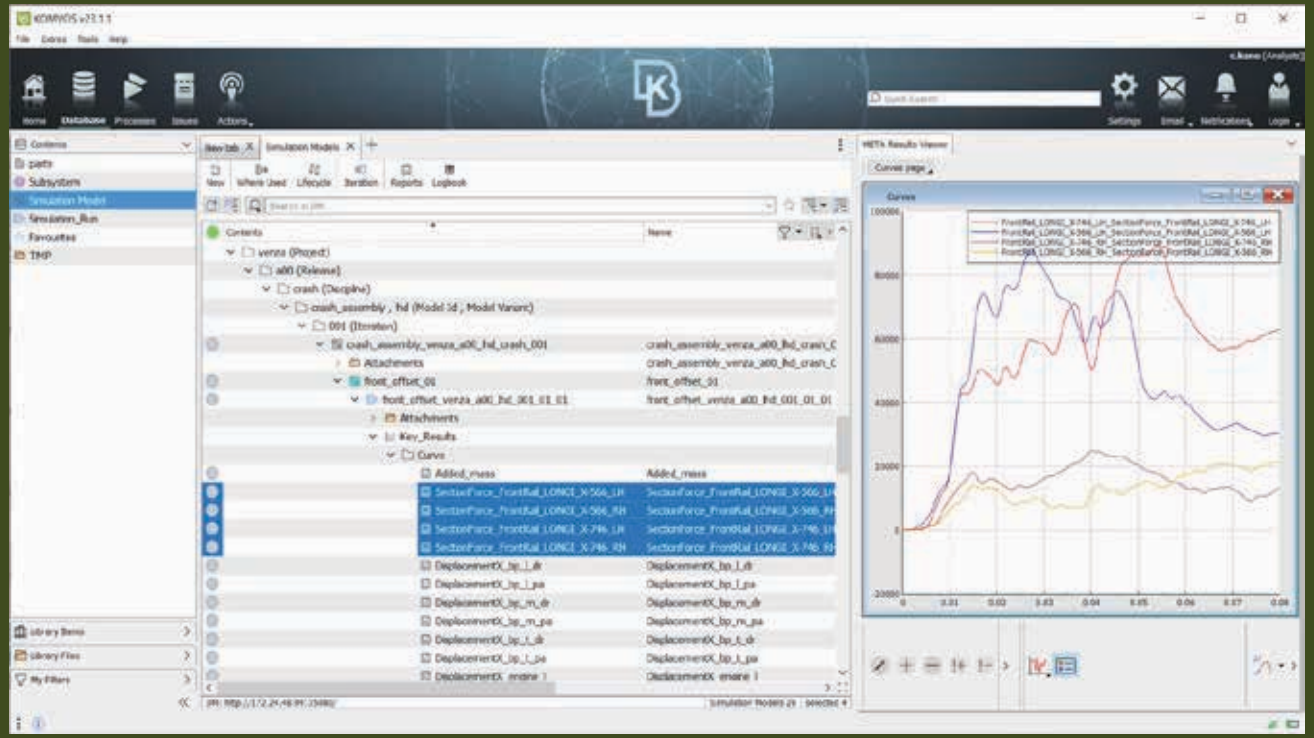


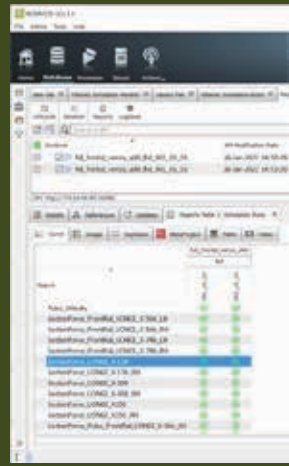


Data Management

Results Review

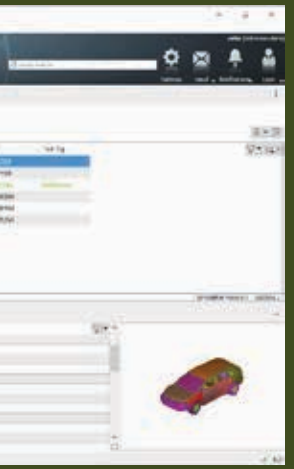


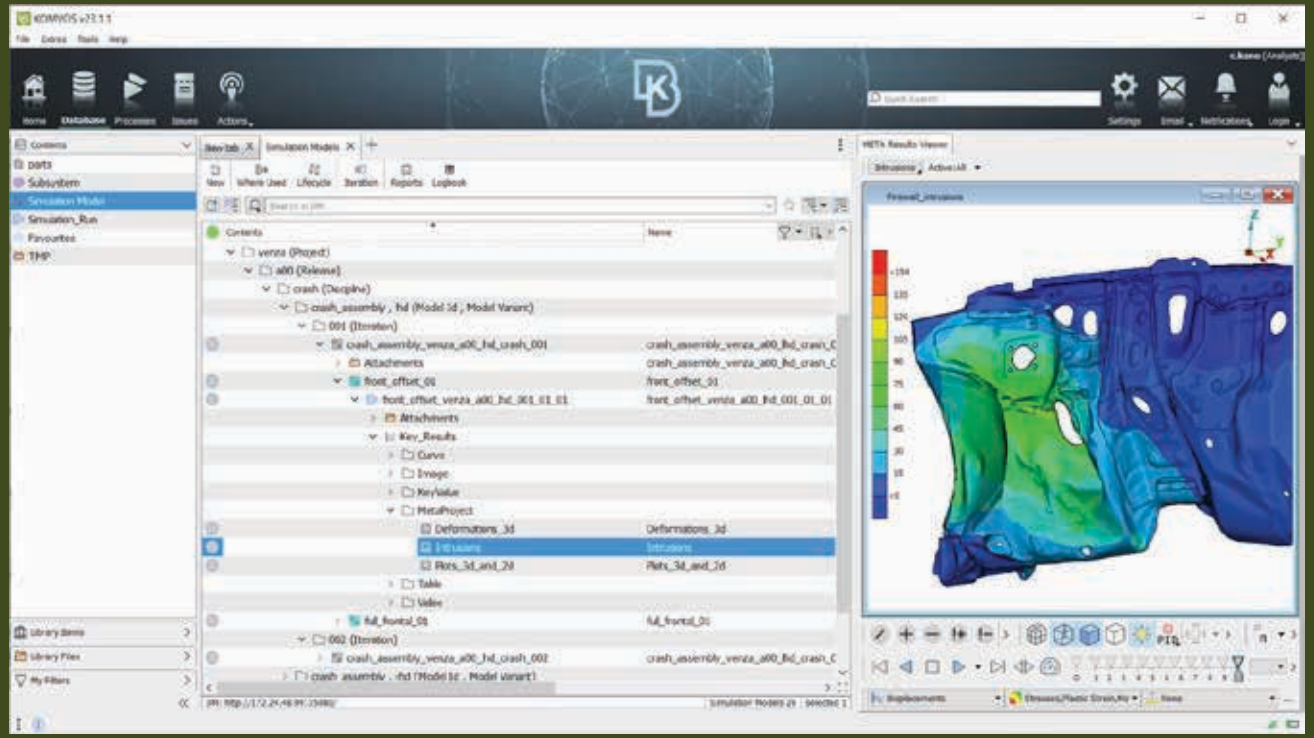


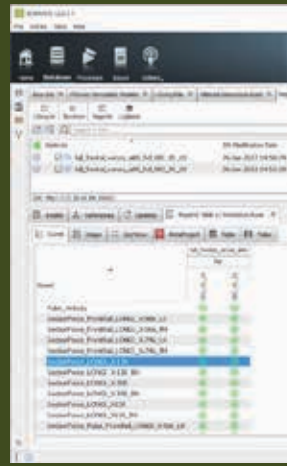


Data Management

Results Review

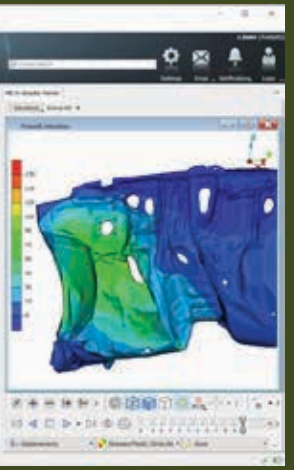


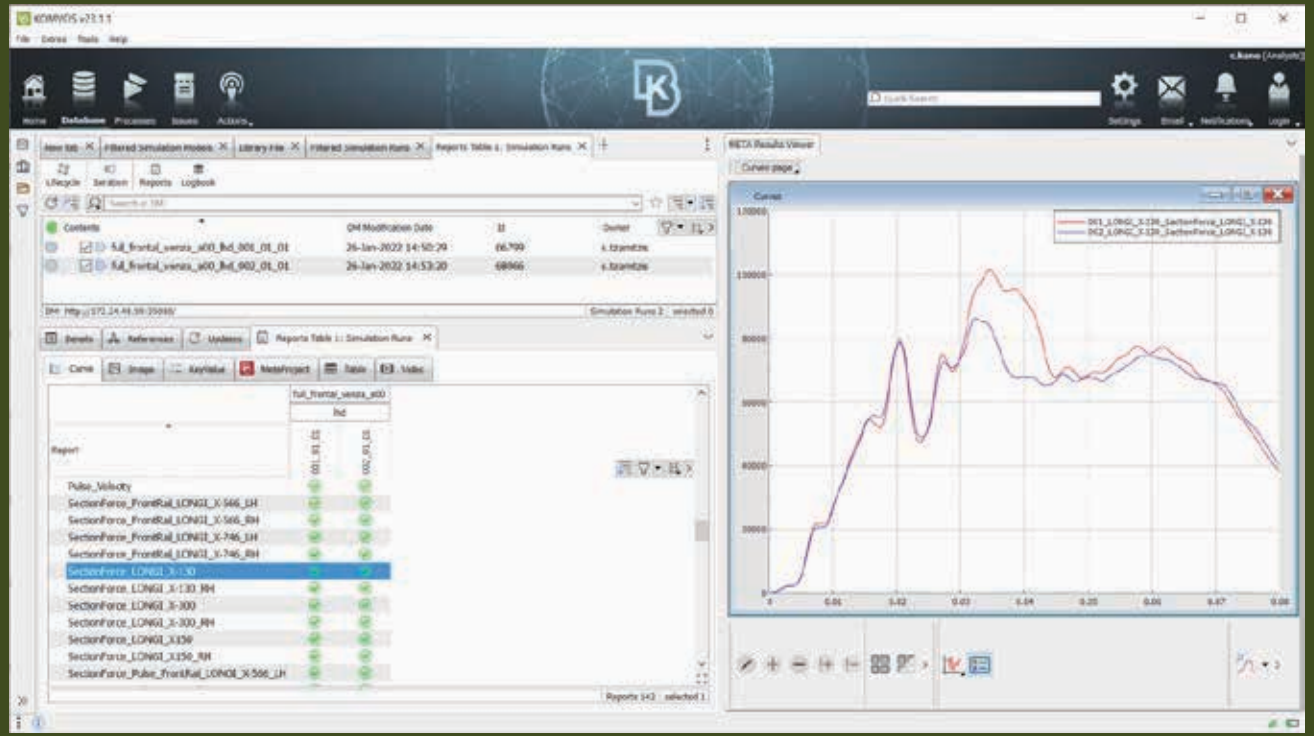


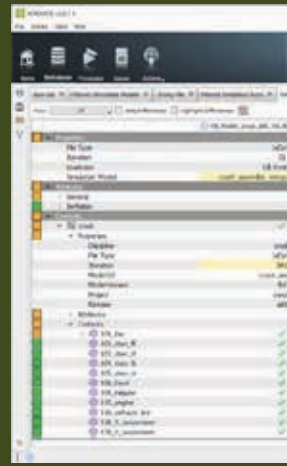


Data Management

Results Comparison

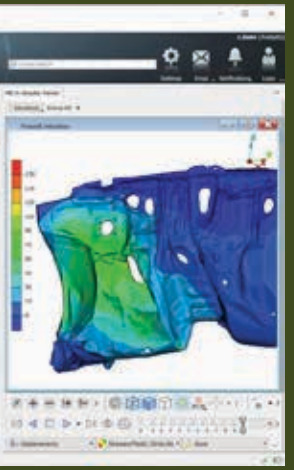


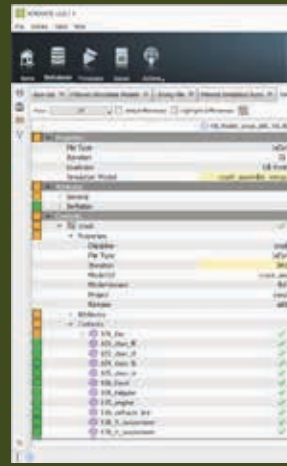




Data Management

Results Comparison

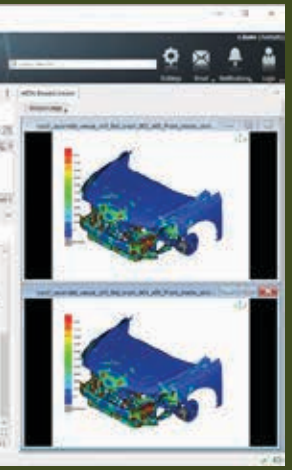


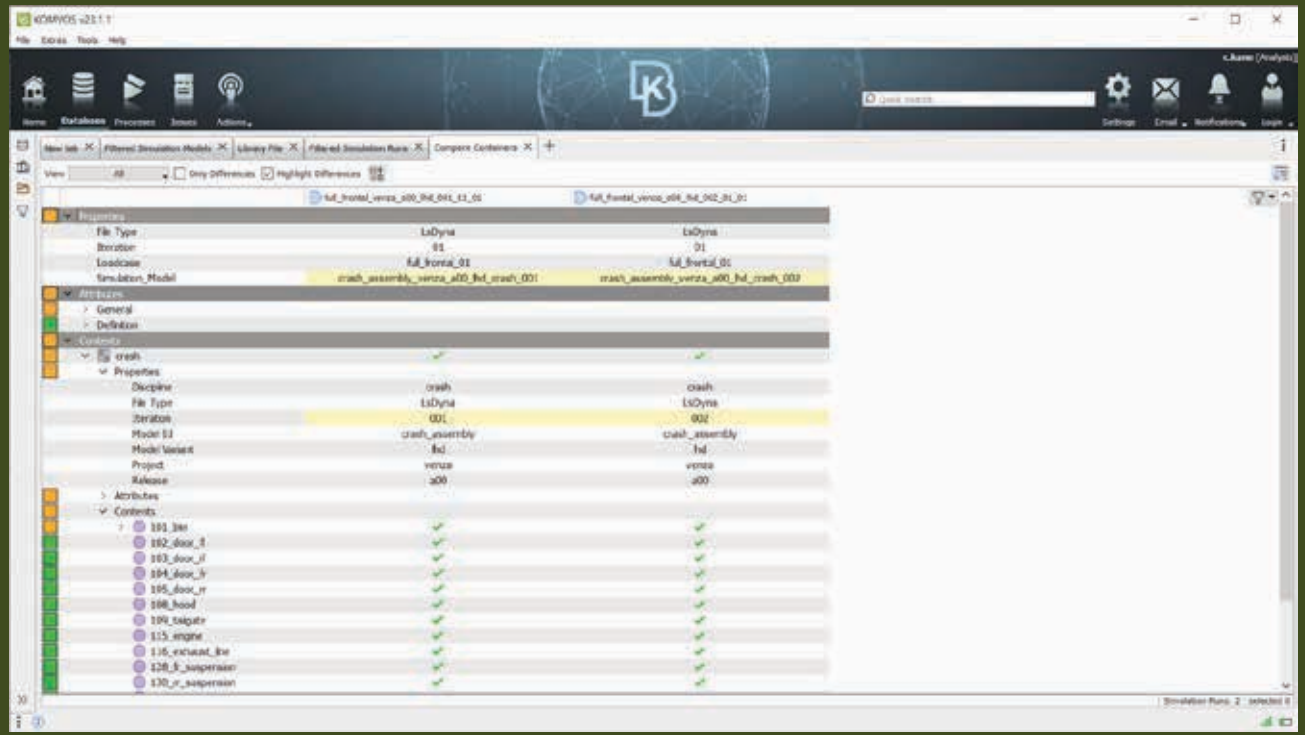


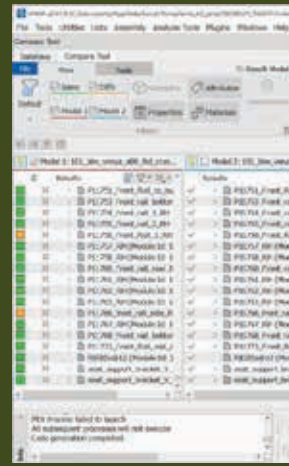
son

Simulation Contents Comparison

Mo



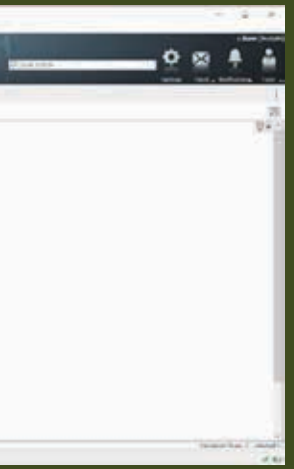


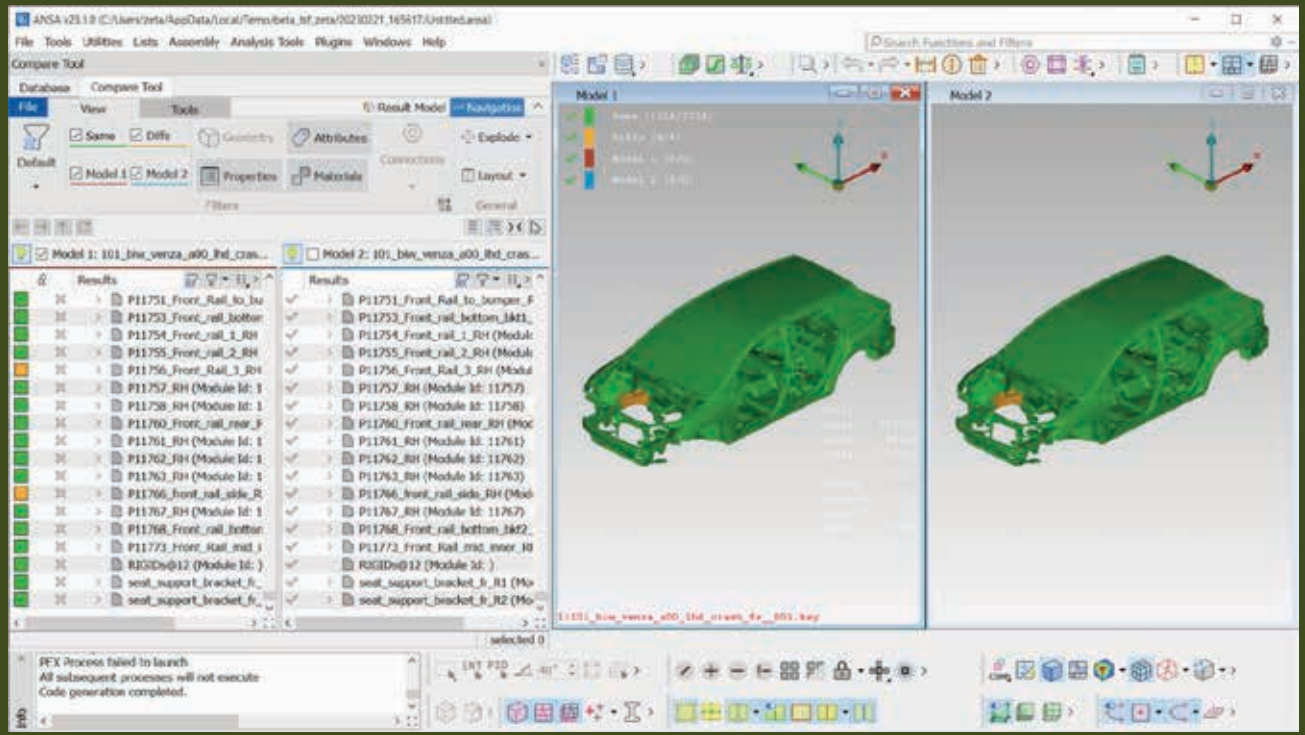


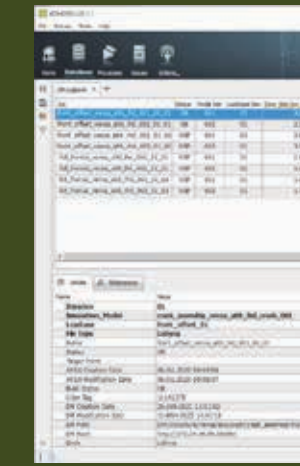
omparison

Model Comparison

R

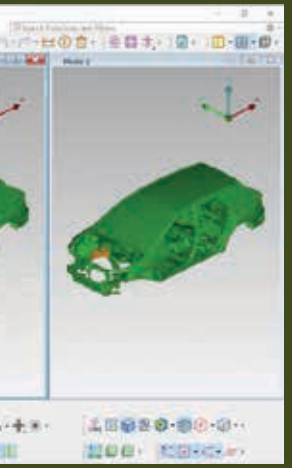




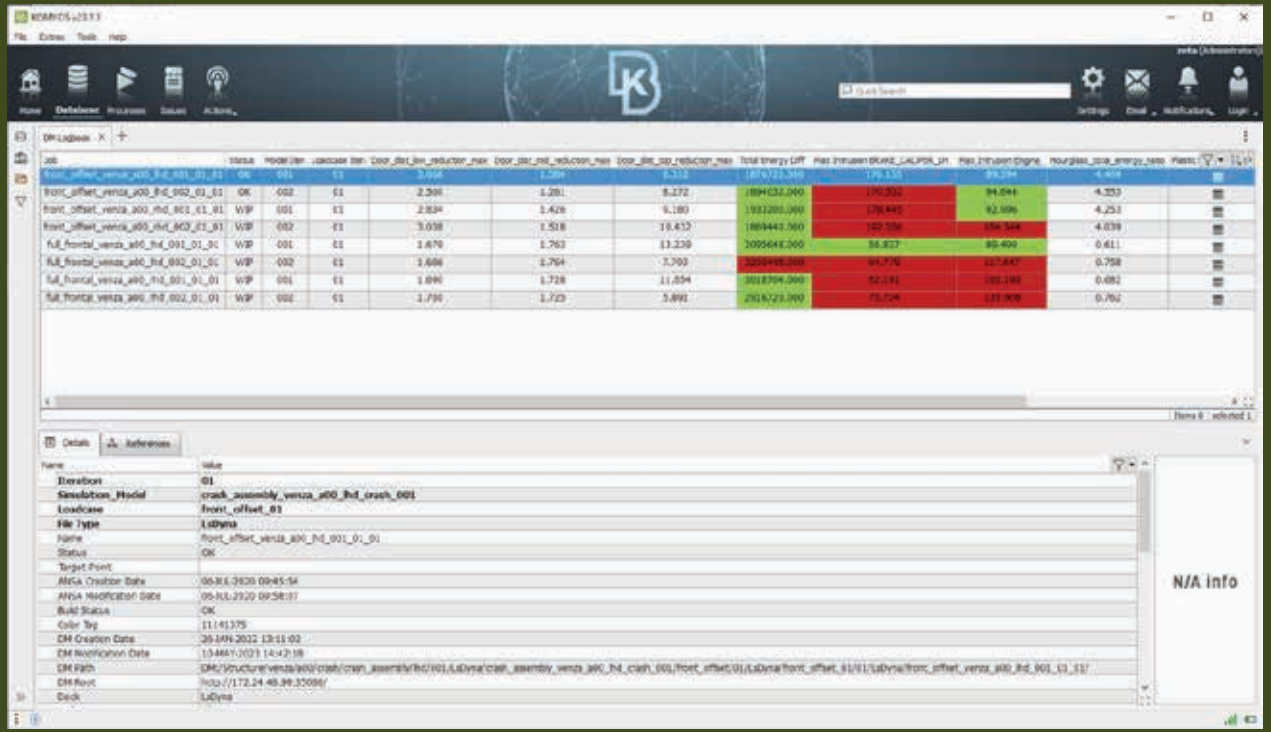


Data Management

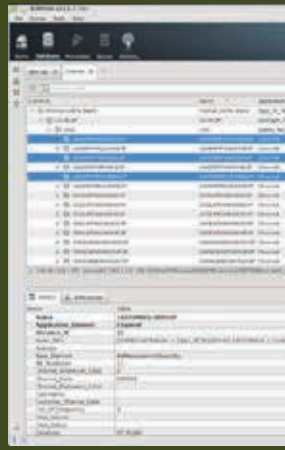
son



Results Logbook

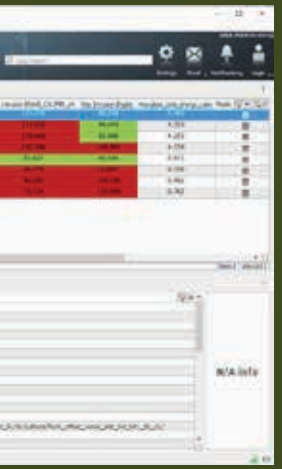


Tes

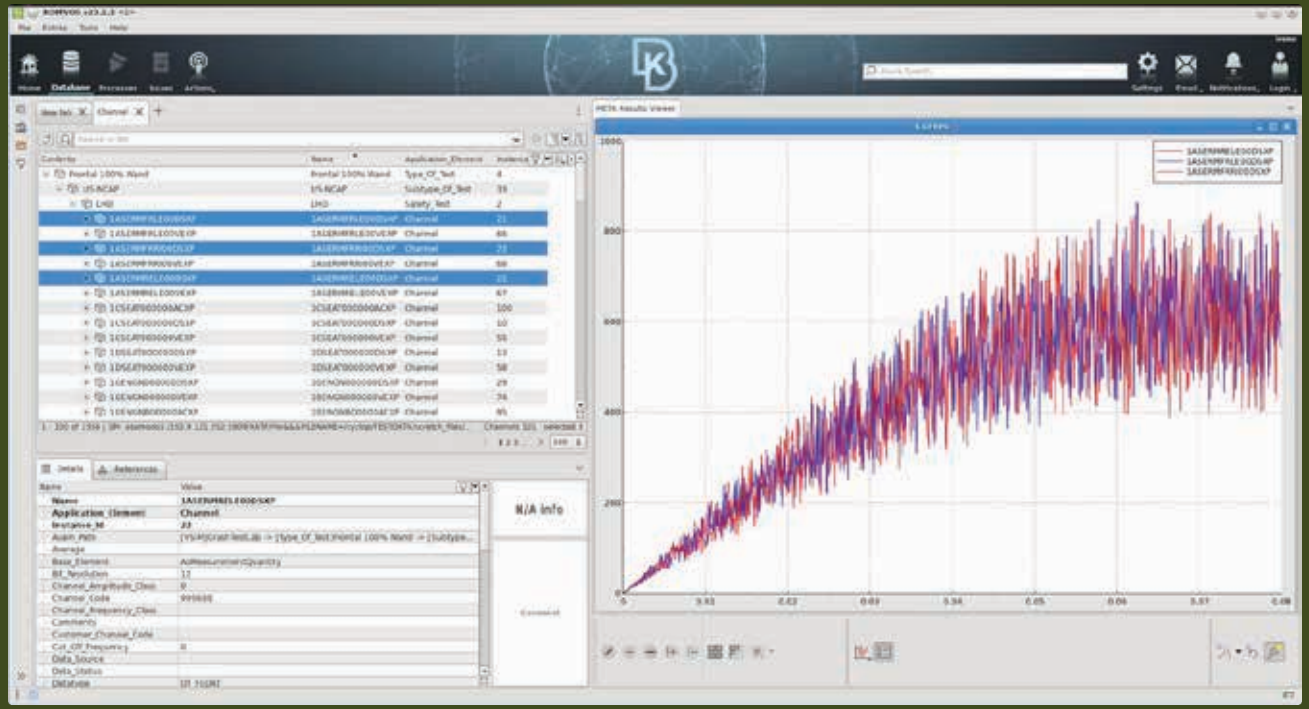


Data Management

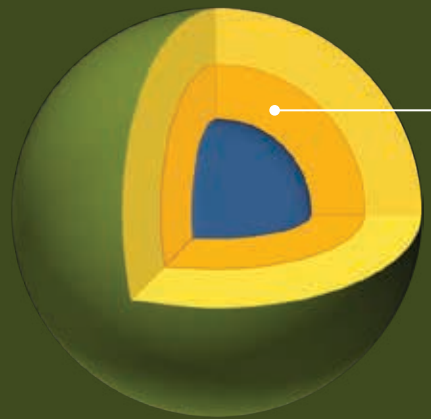
ok



Test Results Review



Process Management



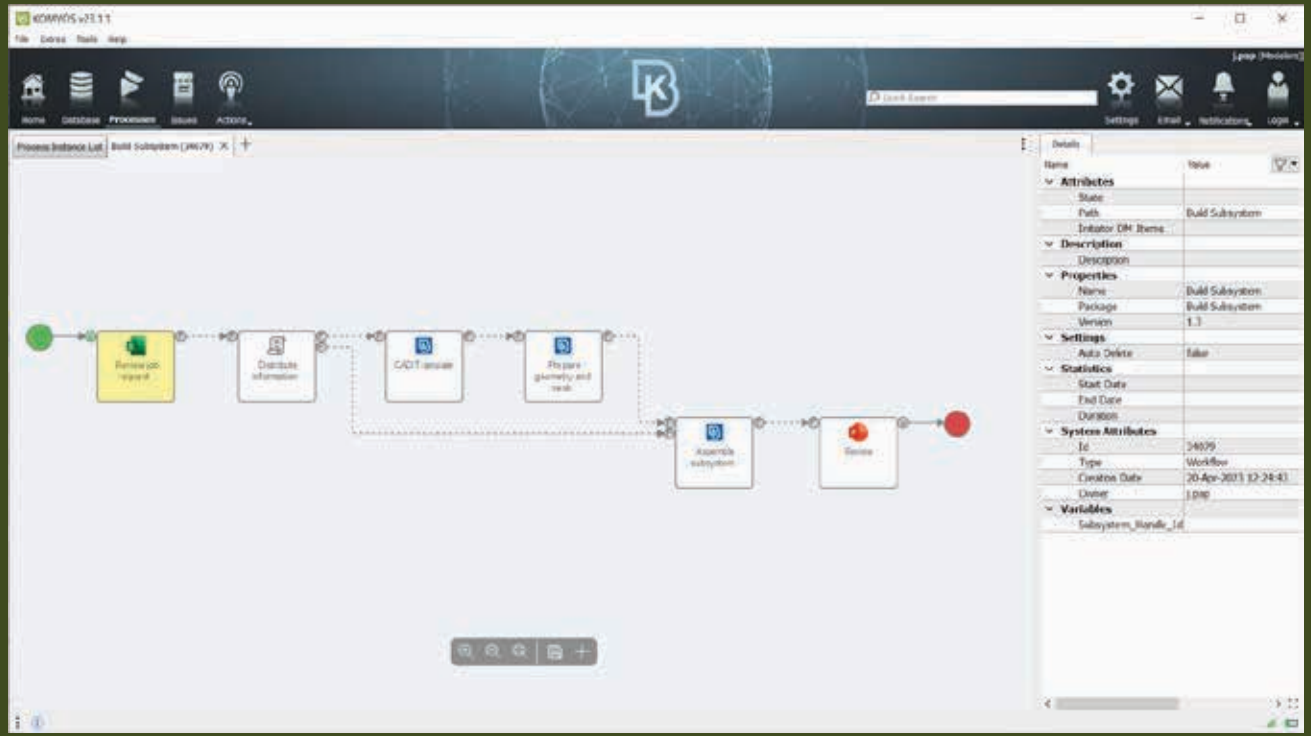
Machine Learning

Process Management

Data Management

Process Management

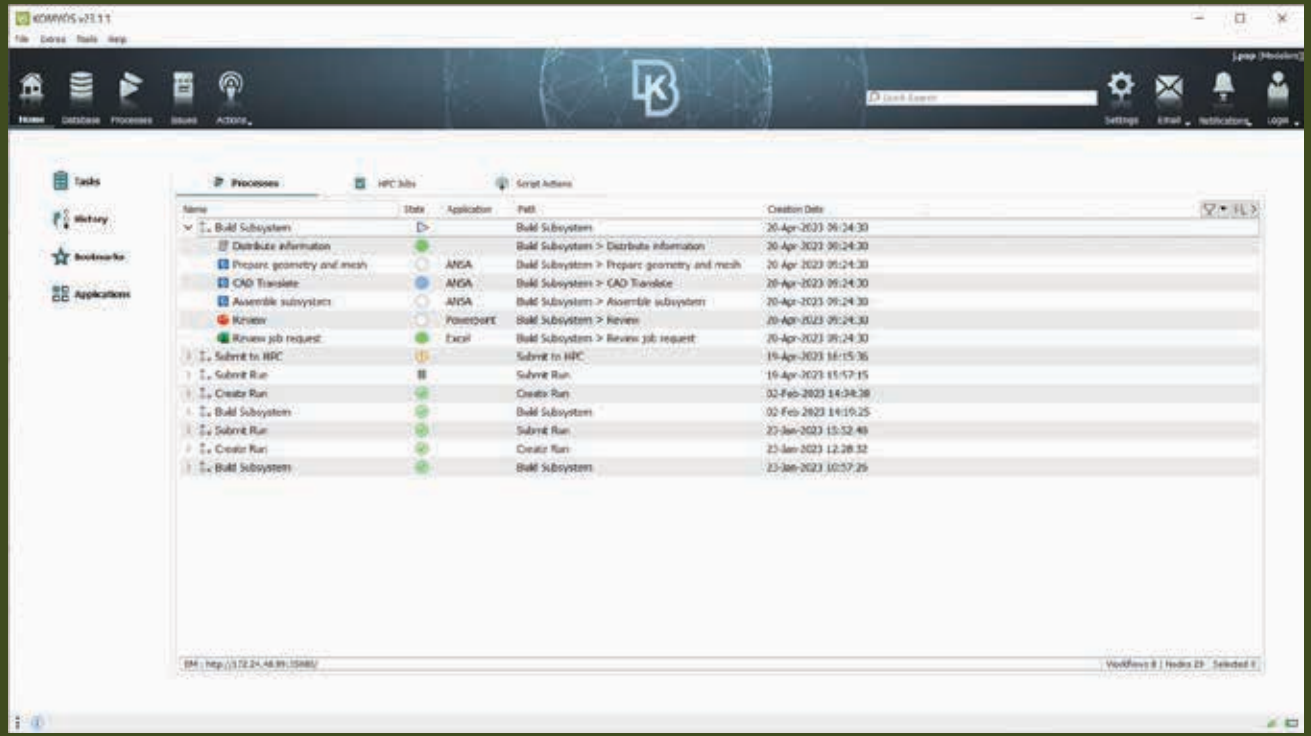
Process Design & Execution

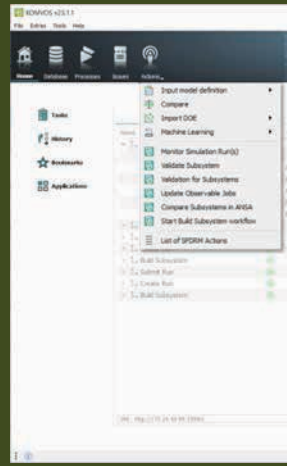


Process Management

ecution

Process Monitoring

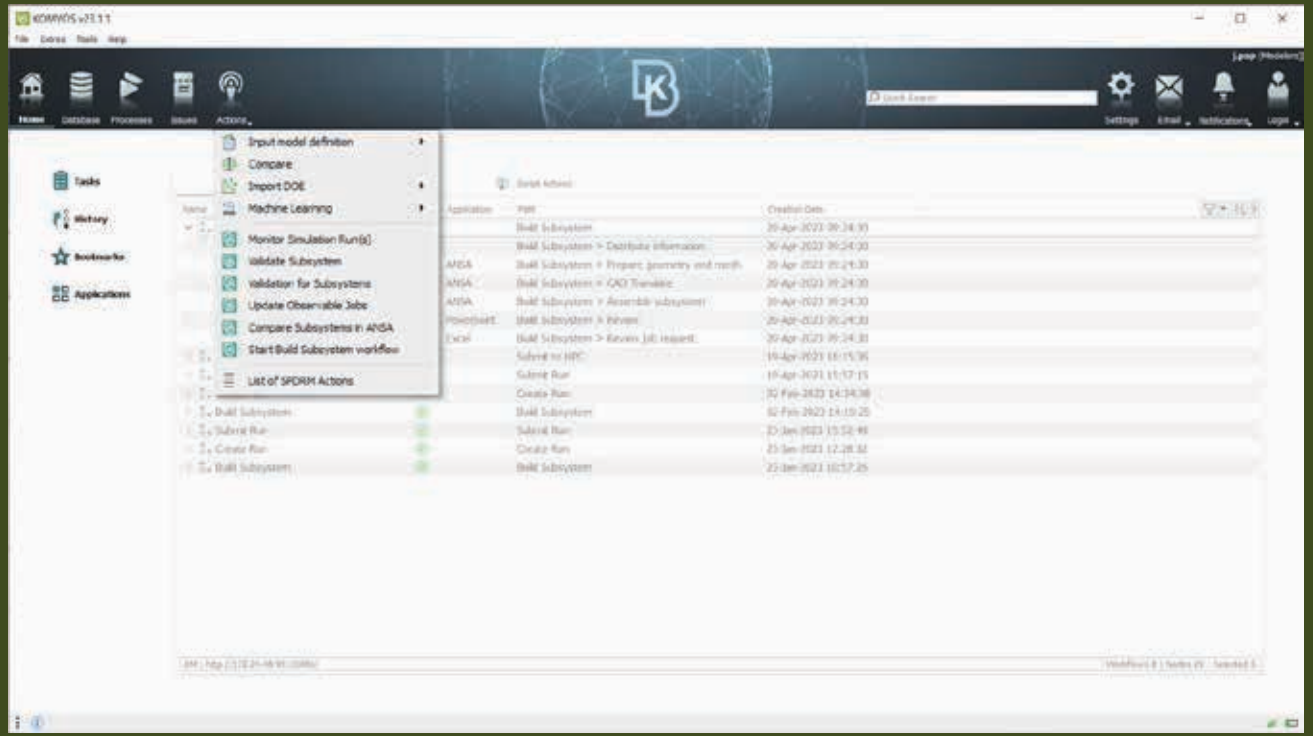




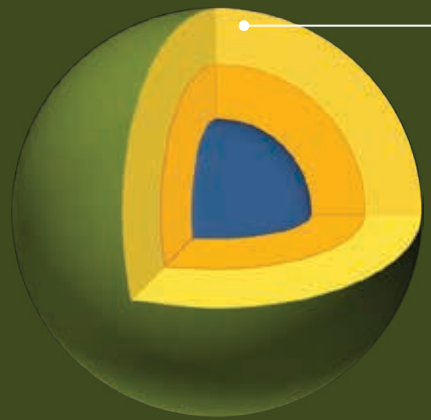
Process Management

ring

Script Actions



Machine Learning



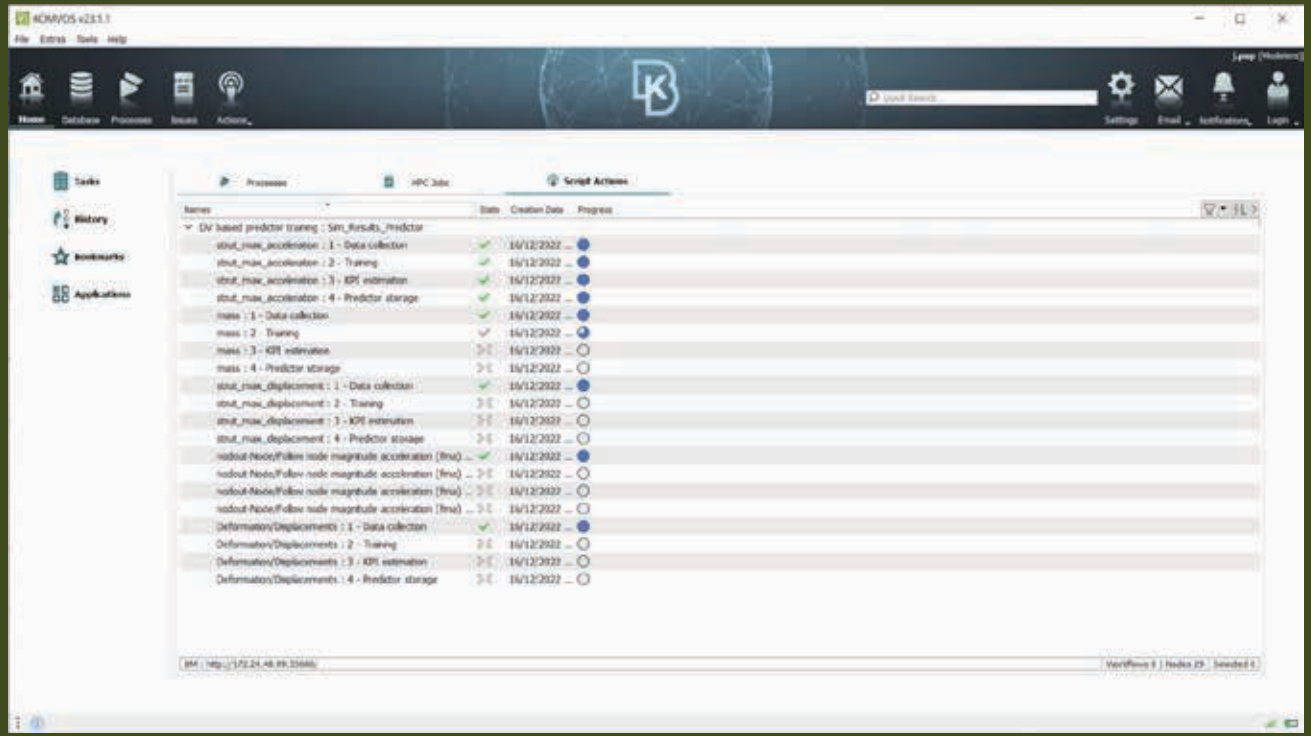
Machine Learning

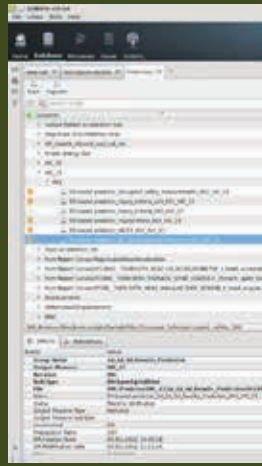
Process Management

Data Management

Machine Learning

Train ML Algorithms

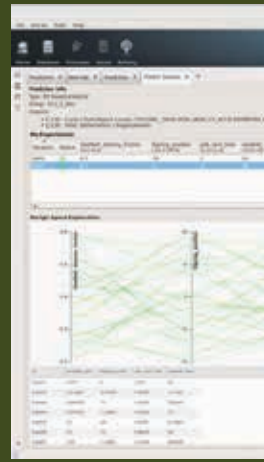




Machine Learning

nms

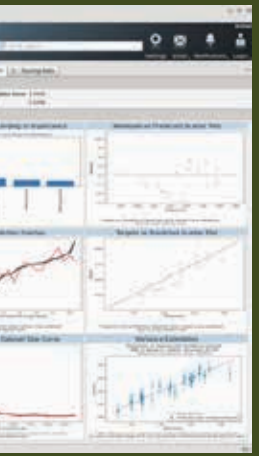
Predictors

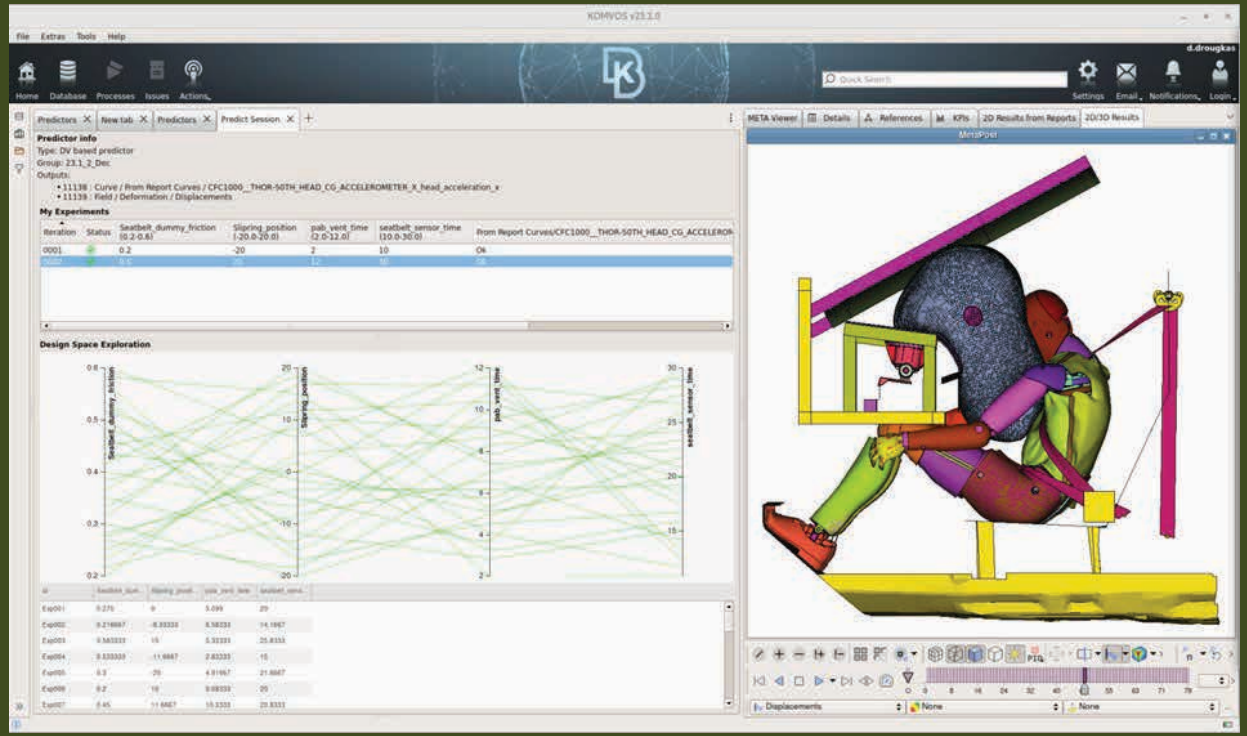


M

Machine Learning

Make Predictions





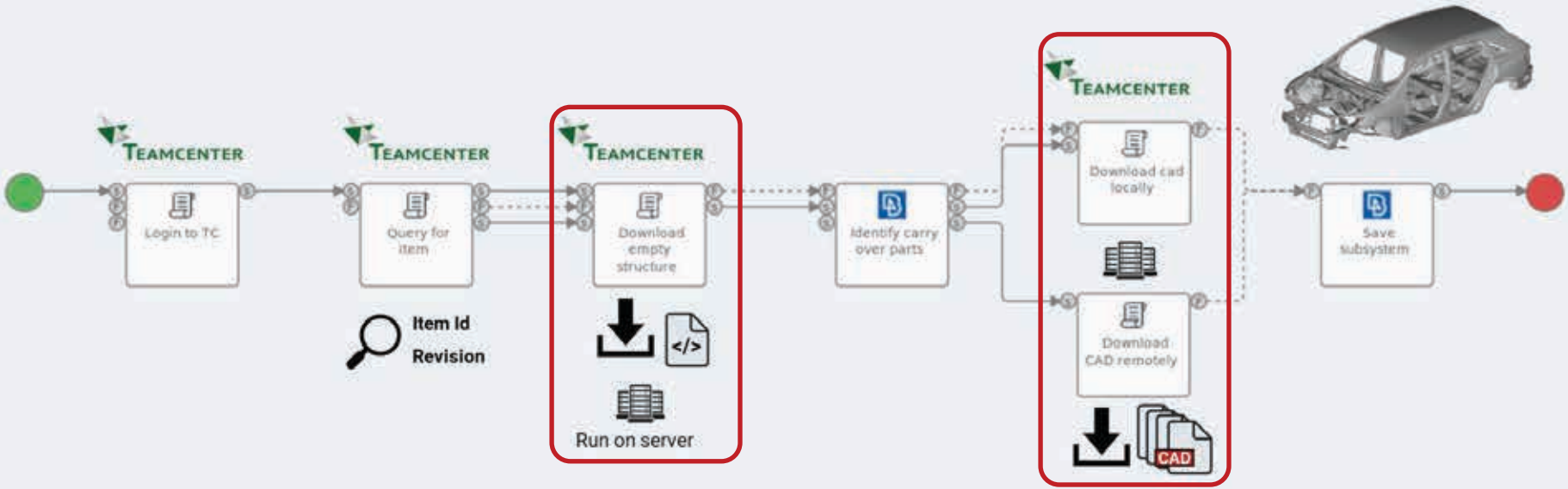
One platform,
a wide variety of applications

Integration with PDM systems

Download TC Product

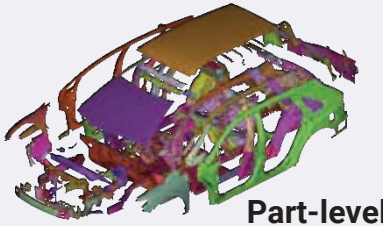
Update Subsystem

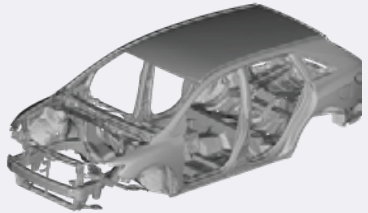
Streamlining data extraction from Teamcenter: Latest approaches to CAE Structure creation and Maintenance
Day 1 Wednesday June 14, 2023
17:30 - 18:00 (Session 3C | Jupiter)



Model Build Orchestrator

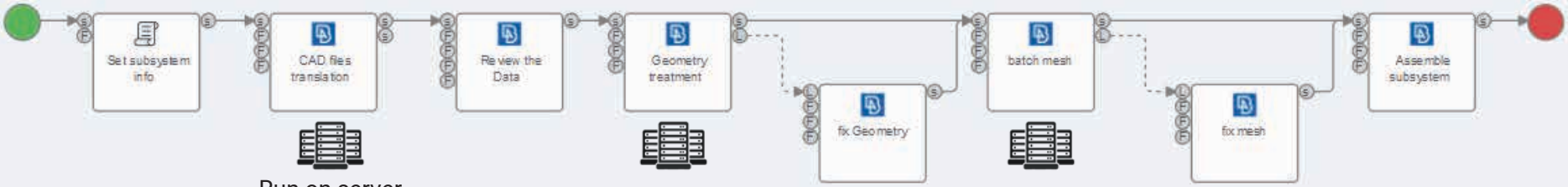
- CAD 2 ANSA
- Create Meshes
- Build Subsystem





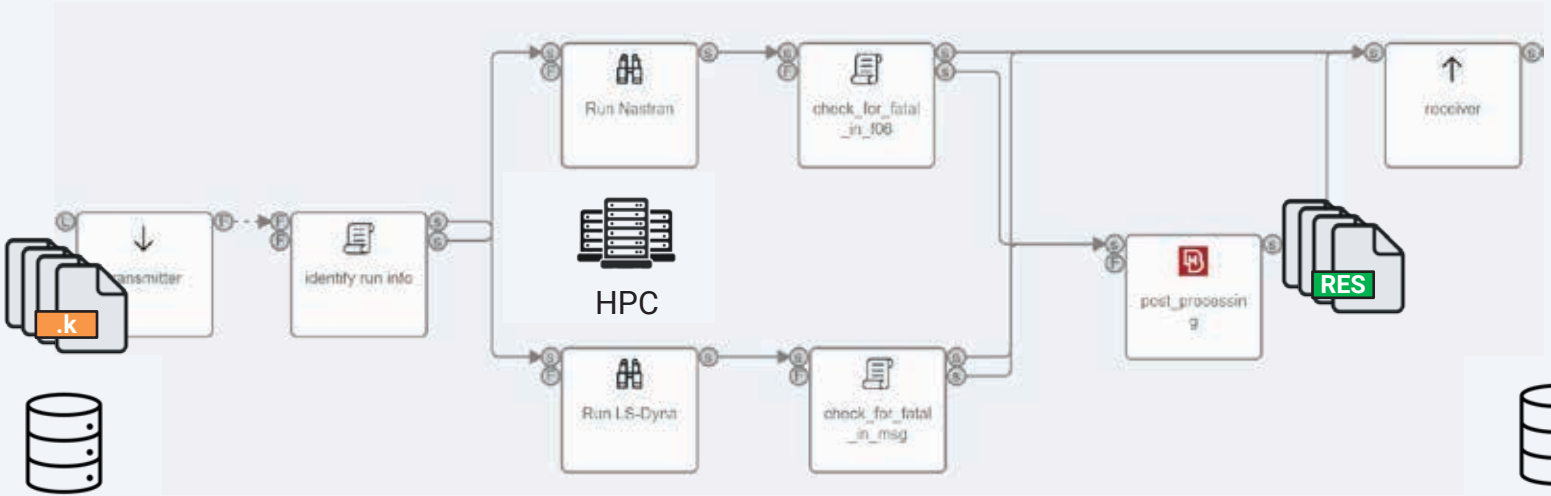
Part-level

Subsystem-level



Job Submission and Monitoring

Submit Run to HPC



Processes | HPC Jobs | Script Actions

Status	Job	Correlation Id	name	Node Id	Node Name
✓	1605176504	1605176504	front_offset_venza_a00_lhd_003_01_01.key	5654	Run LS-Dyna
✓	1605126234	1605126234	front_offset_venza_a00_lhd_003_01_01.key	5094	Run LS-Dyna

In queue

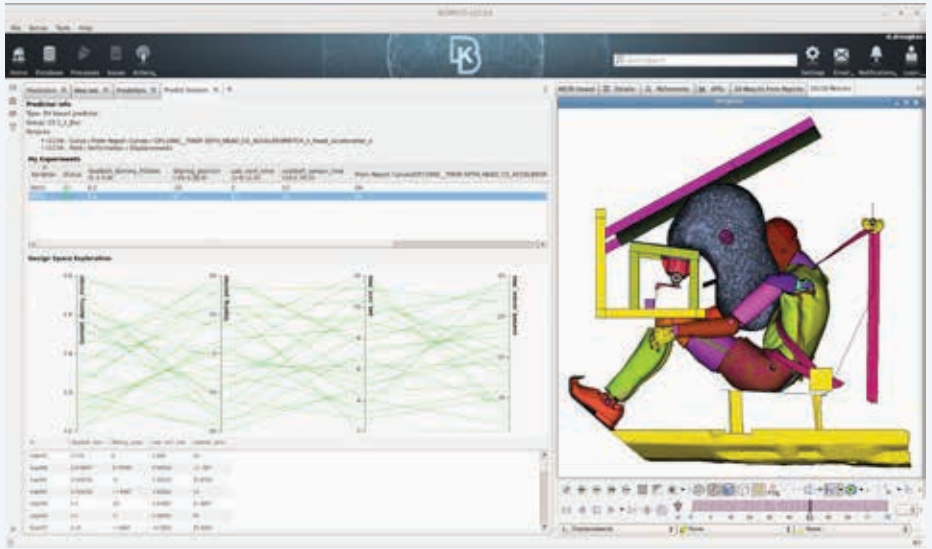
Finished

Running

Error

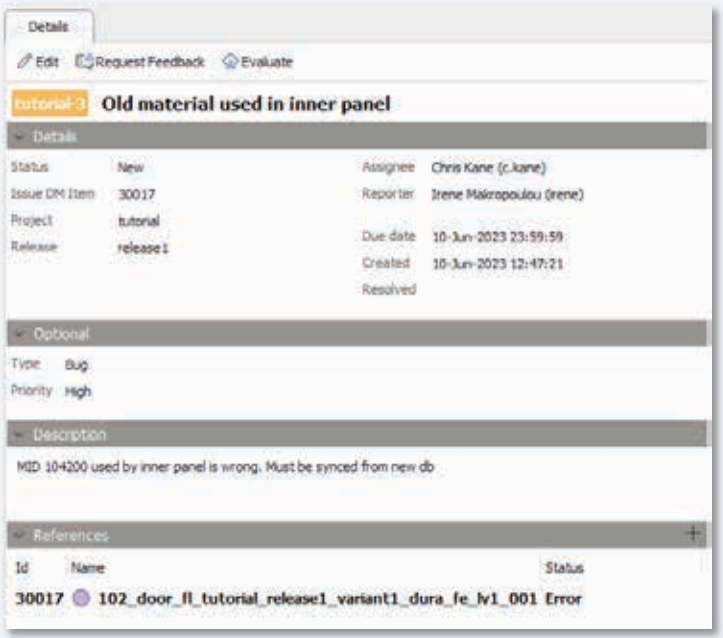
DOE Studies and Optimization

- DOE Setup
- Create Predictors
- Predict



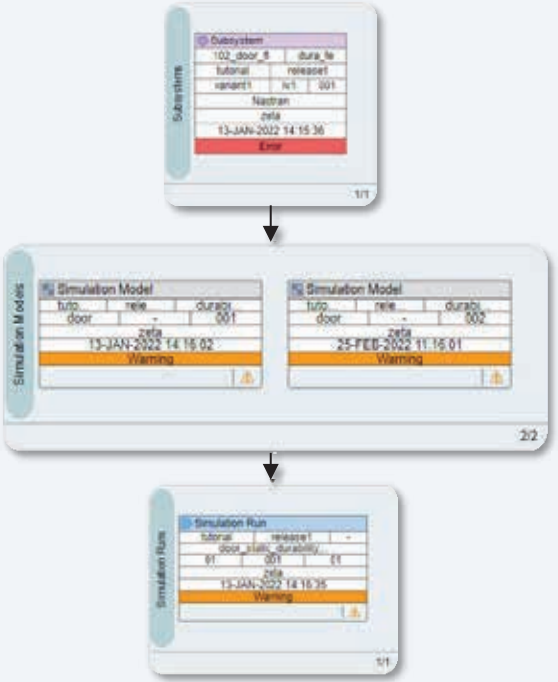
Quality Management

- Create Issue
- Impact analysis



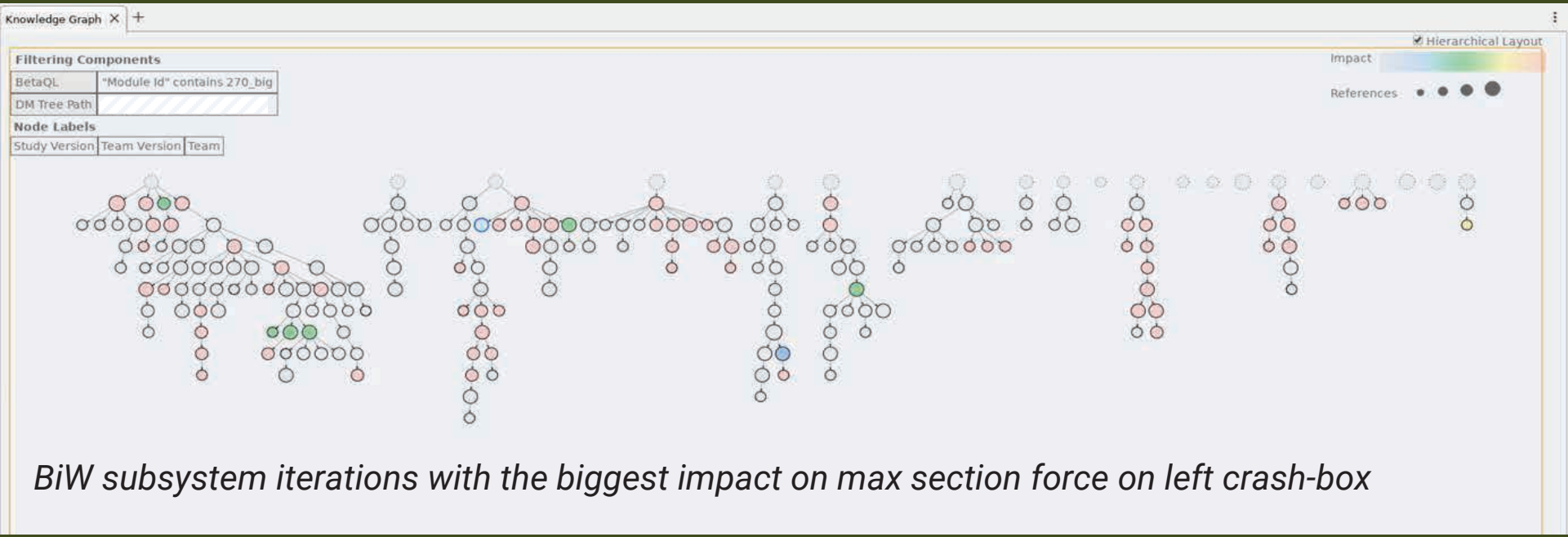
Owner

Affected users



Data Analysis

Subsystems Centrality



BiW subsystem iterations with the biggest impact on max section force on left crash-box

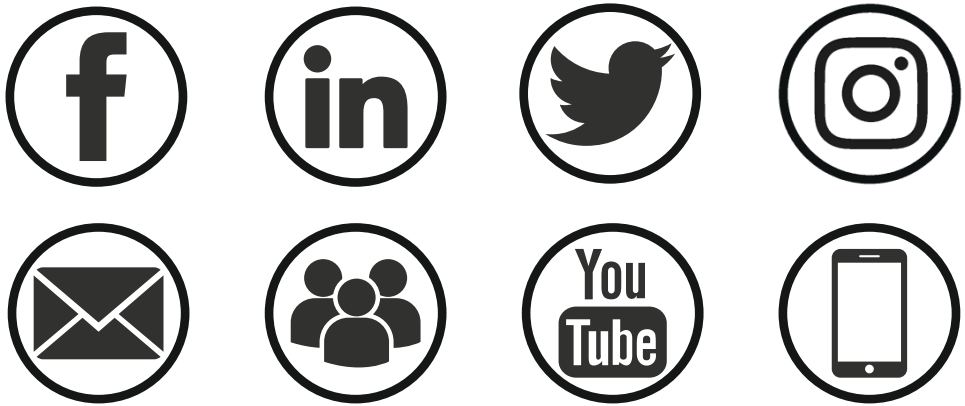
Integration of SPDRM elevated Data and Process Management in KOMVOS

Simulation Data and Process Management enables ML

ML enables Knowledge Management

Exciting things are coming!

BETA
SIMULATION SOLUTIONS



Stay connected