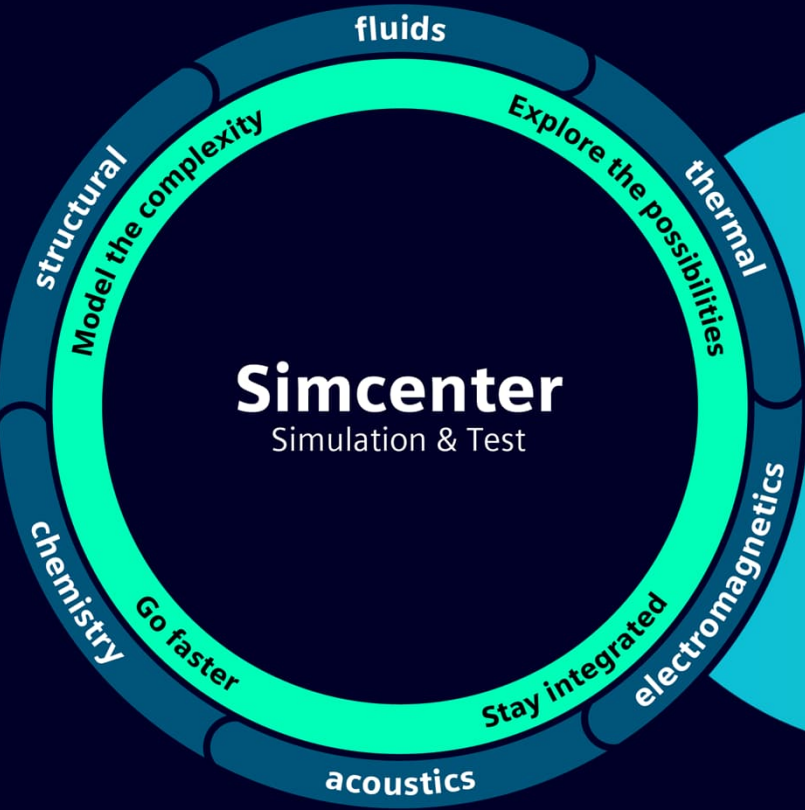# openMDM Working Group
Annual Summit 2023

Partnering with openMDM tool providers to support the engineering decision process ®
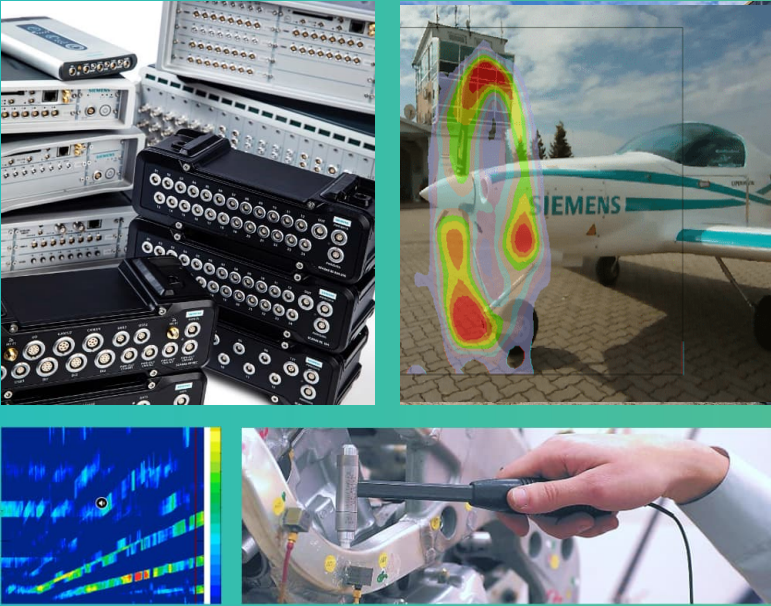
Wilfried Claes
Siemens Digital Industries
Simulation & Test Software

SIEMENS

Physical testing

Simcenter
Simulation & Test

fluids
thermal
electromagnetics
acoustics
chemistry
structural

Model the complexity
Explore the possibilities
Stay integrated
Go faster

> **Integrate physical testing with simulation for faster innovation**

SIEMENS

How to maximize the ROI of your testing efforts & data?

Missing context information on data

Lots of "sleeping" data on local drives/PC

Data loss when people leave the company

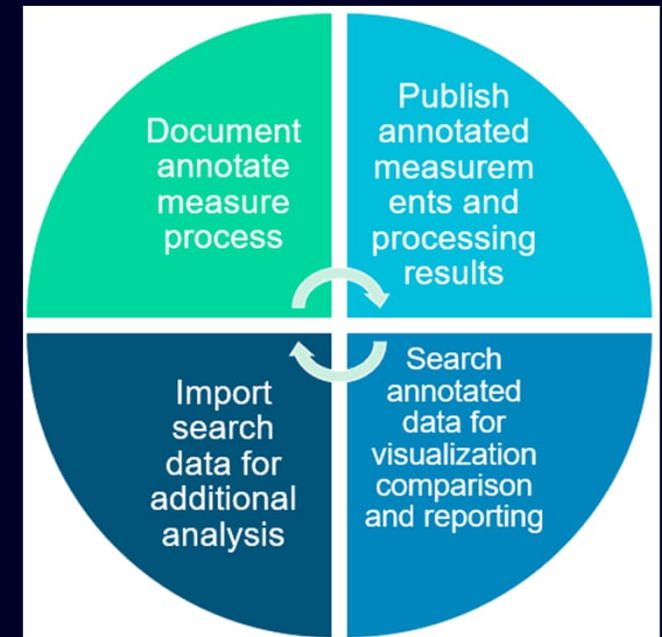Different measurement and simulation systems

Different data formats used for sharing information

Simcenter Testlab Data Management

Accelerate the engineering decision process

How to improve data sharing and collaboration?

- Data must be trusted
- Data must be accessible by others
- Context data must be clear and consistent
- Data must be ready for future usage (big-data, AI,..)
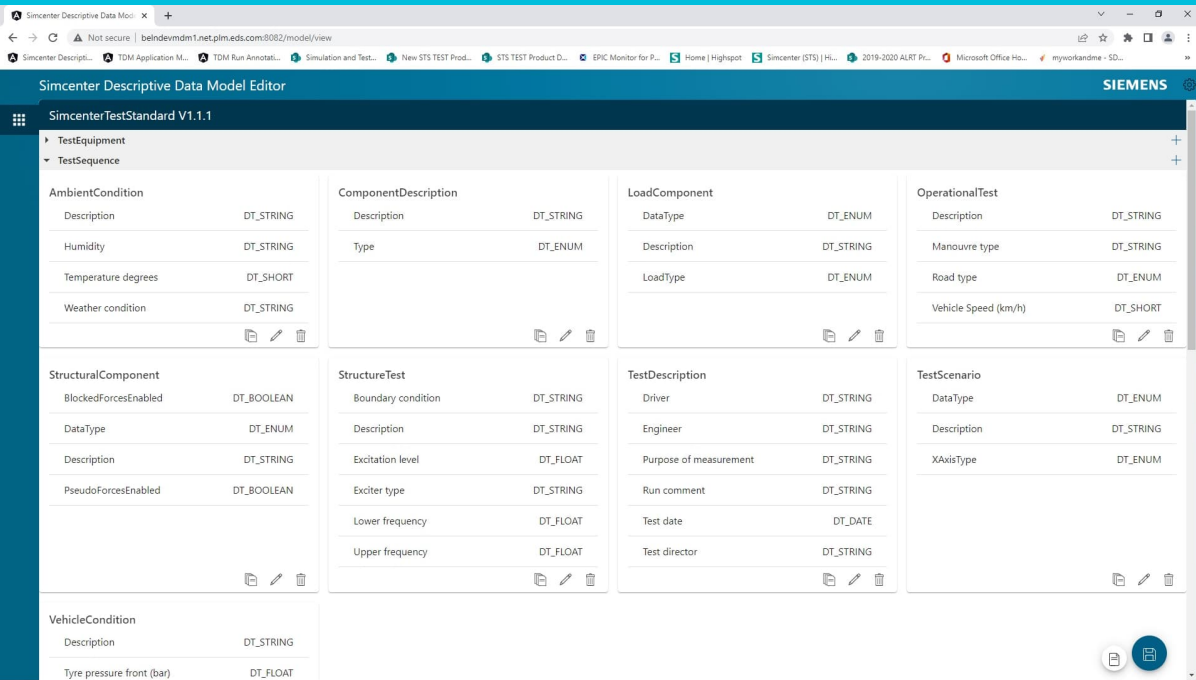- Use of templates

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Simcenter Testlab Data Management
Partner with Peak Solution

Support ASAM-ODS standard
NVH application model

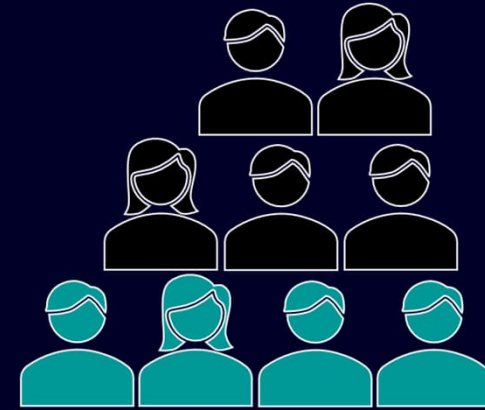## Configure and define ASAM-ODS data model for error-free data annotation

SIEMENS

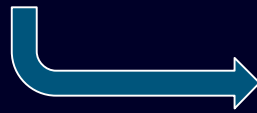# Support the engineering process
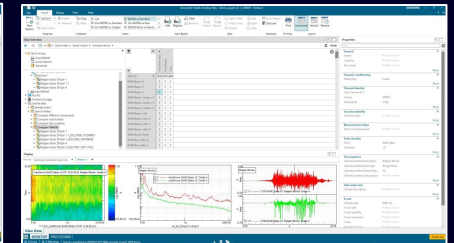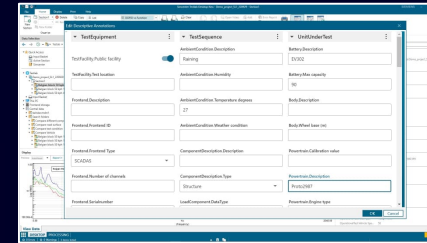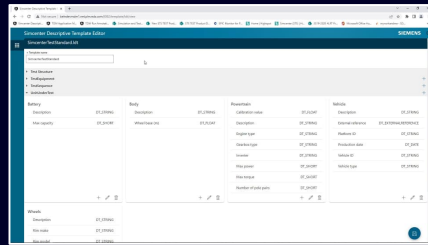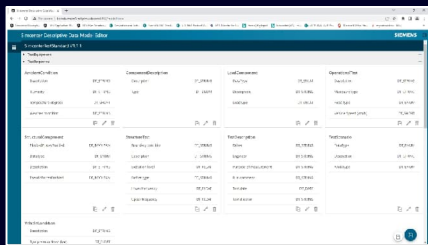# Consistent data annotation

Lab-Manager
(Administrator)

Lab-Manager/Team Lead
(Administrator)

Technician/Engineer
(Users)

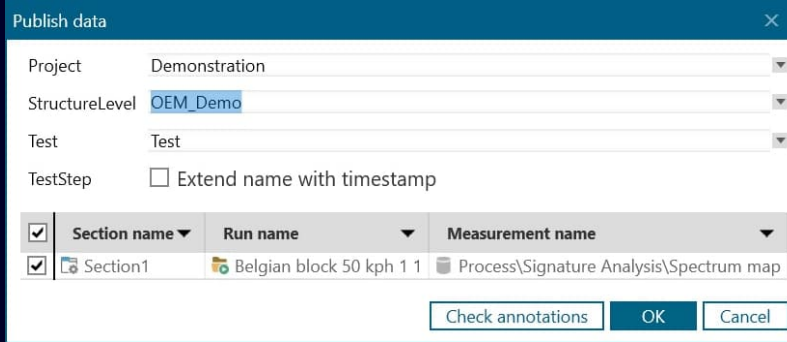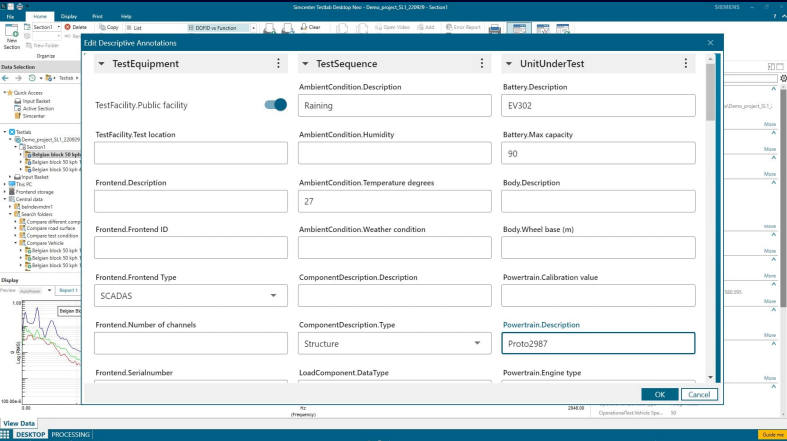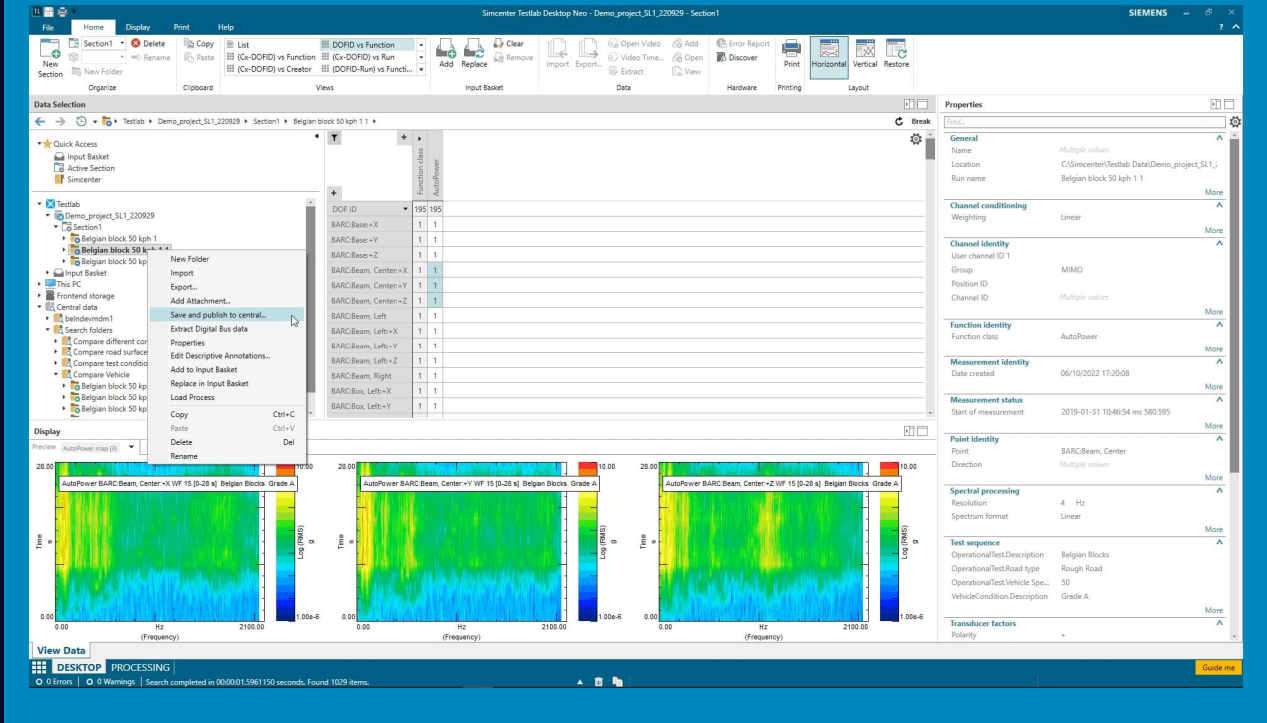Describe how data should be annotated

Pre-define values for annotations for specific test object

Use pre-defined annotations and annotate the measured data and publish

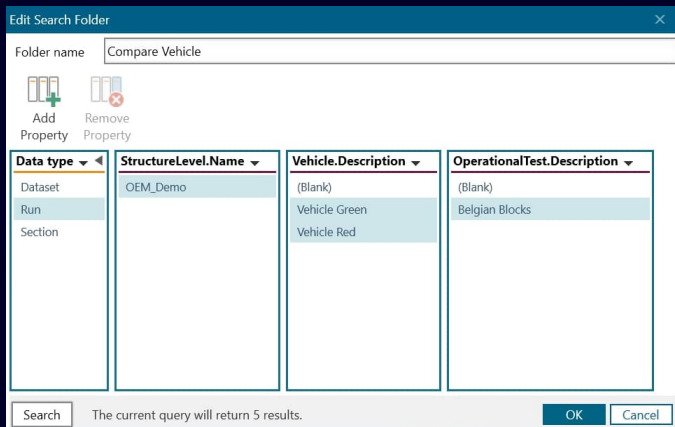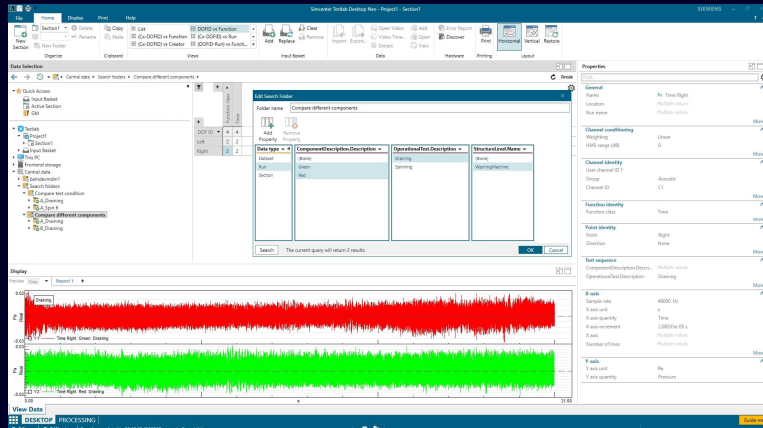Search and retrieve data using the annotations
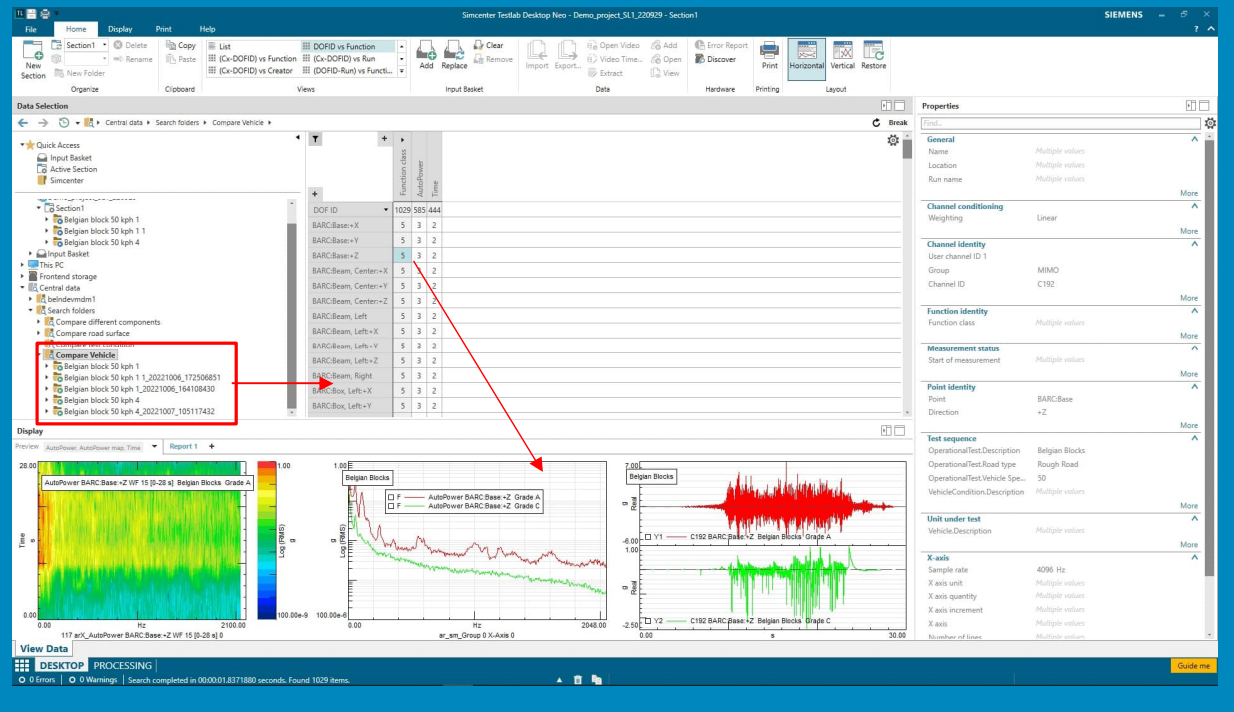
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Simcenter Testlab Data Management

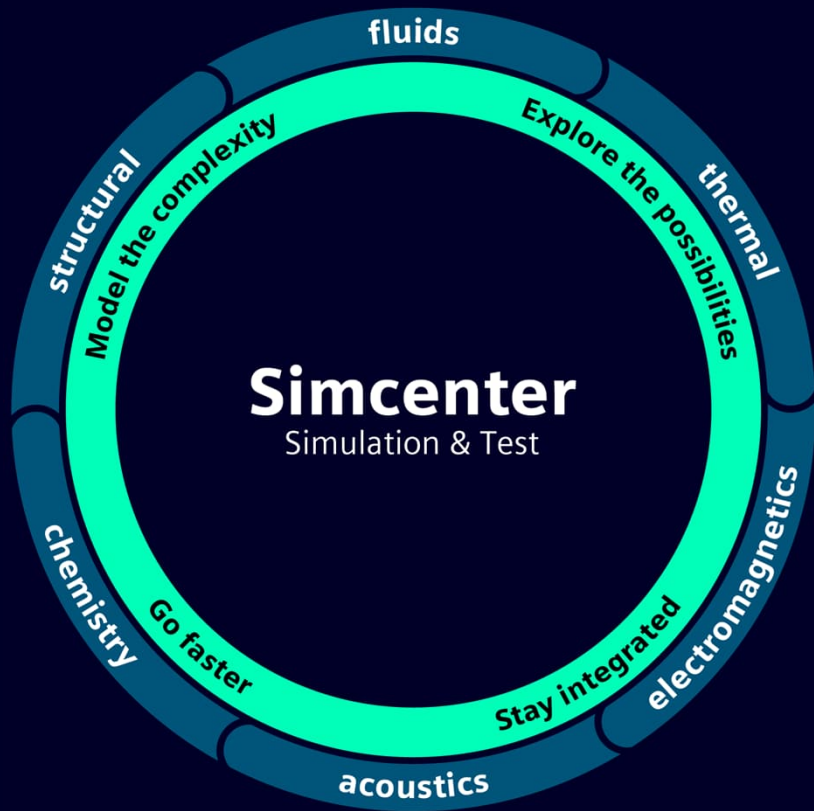## Publish Data with contextual information in Testlab Neo

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Simcenter Testlab Data Management

Search and retrieve data in Testlab Neo

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Local and Central data management

Engineer's desk

Descriptive properties direct available in:

- Pivot

- Property Pane

- Legend and Office add-ins

Edit Descriptive Annotation after measurement and or processing to:

- Correct mistake

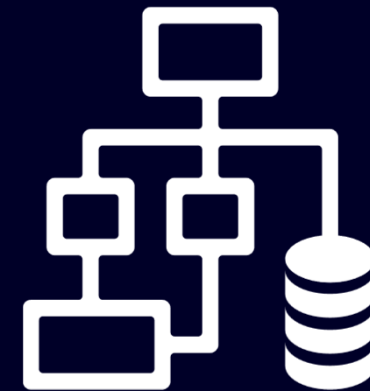- Add additional context info after e.g. processing

- …

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Physical Testing

Integrate physical testing with simulation for faster innovation.

Exploration & Analytics

Process & Data Management

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Contact

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