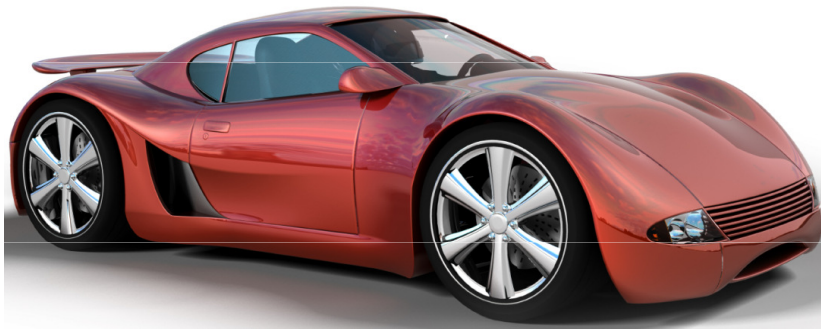


# Bridging the Gap between Two Worlds

Managing Measurement Data Parallel in ASAM-ODS and in Files

Andreas Haub, National Instruments  
Testing Expo 2010, Stuttgart

## Measurement Data in ASAM-ODS or in Files



Typically, the user experience is very different....

# Storage Type Pro's and Con's

## ASAM ODS

- ✓ User defined Data Model
- ✓ Security
- ✓ Browse
- ✓ Search
- ✓ Engineering Unit Handling
- ✓ Standard Interface

## Files

- ✓ File Format dependant
- ✓ File System Security
- × No (Stops at File Level)
- × No
- × No
- × File Format dependant

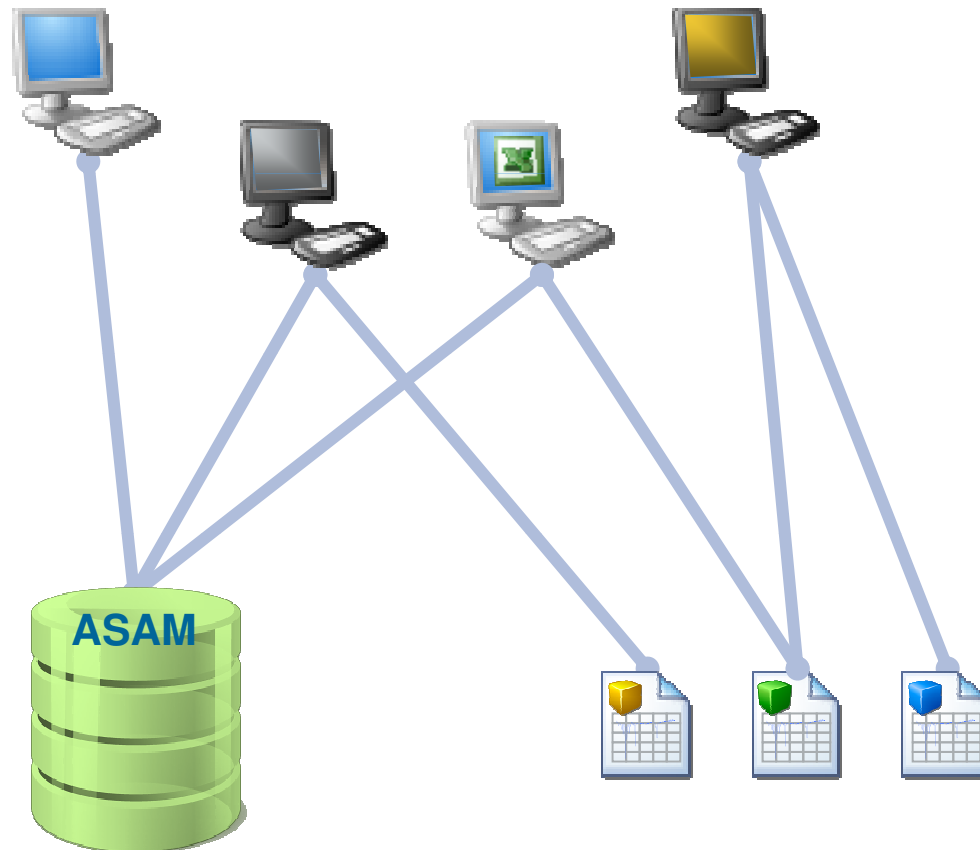
# Storage User Interface

The screenshot displays a software interface for storage management. On the right, a file explorer window titled "Öffnen" shows a directory structure with files such as "2D\_UserFormat.TDM", "Data3.tdx", and "Example.tdm". On the left, a "Properties" panel lists attributes like "name", "description", and "unit\_string". The central focus is a data table with the following content:

Level	Property	Value
C3	Measurement	UUT = T17-A18
	Measurement	<Enter a property> = <Enter a value>

Below the table, the identifier "C3" is visible. To the right of the table, there is a search bar and a "Filter" button.

# Sometimey you want both Worlds



# Storage Type Pro's and Con's

## ASAM ODS

- ✓ User defined Data Model
- ✓ Security
- ✓ Browse
- ✓ Search
- ✓ Engineering Unit Handling
- ✓ Standard Interface

## Files

- ✓ File Format dependant
- ✓ File System Security
- ✗ No (Stops at File Level)
- ✗ No
- ✗ No
- ✗ File Format dependant

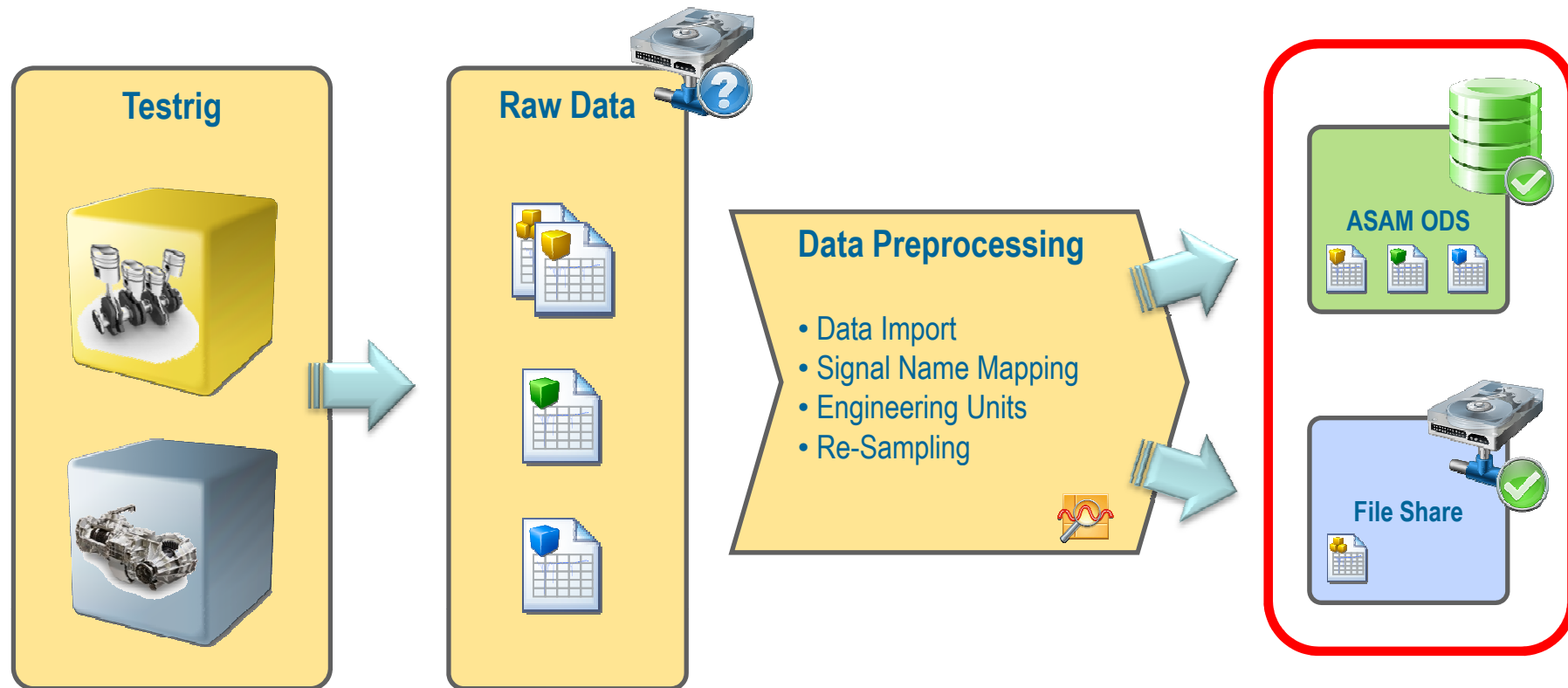
## Files & DIAdem & DataFinder

- ✓ TDM Data Model
- ✓ File System Security
- ✓ Browse
- ✓ Search
- ✓ Engineering Unit Handling
- ✓ NI-TDM File Format

# NI-DIAdem based case Study

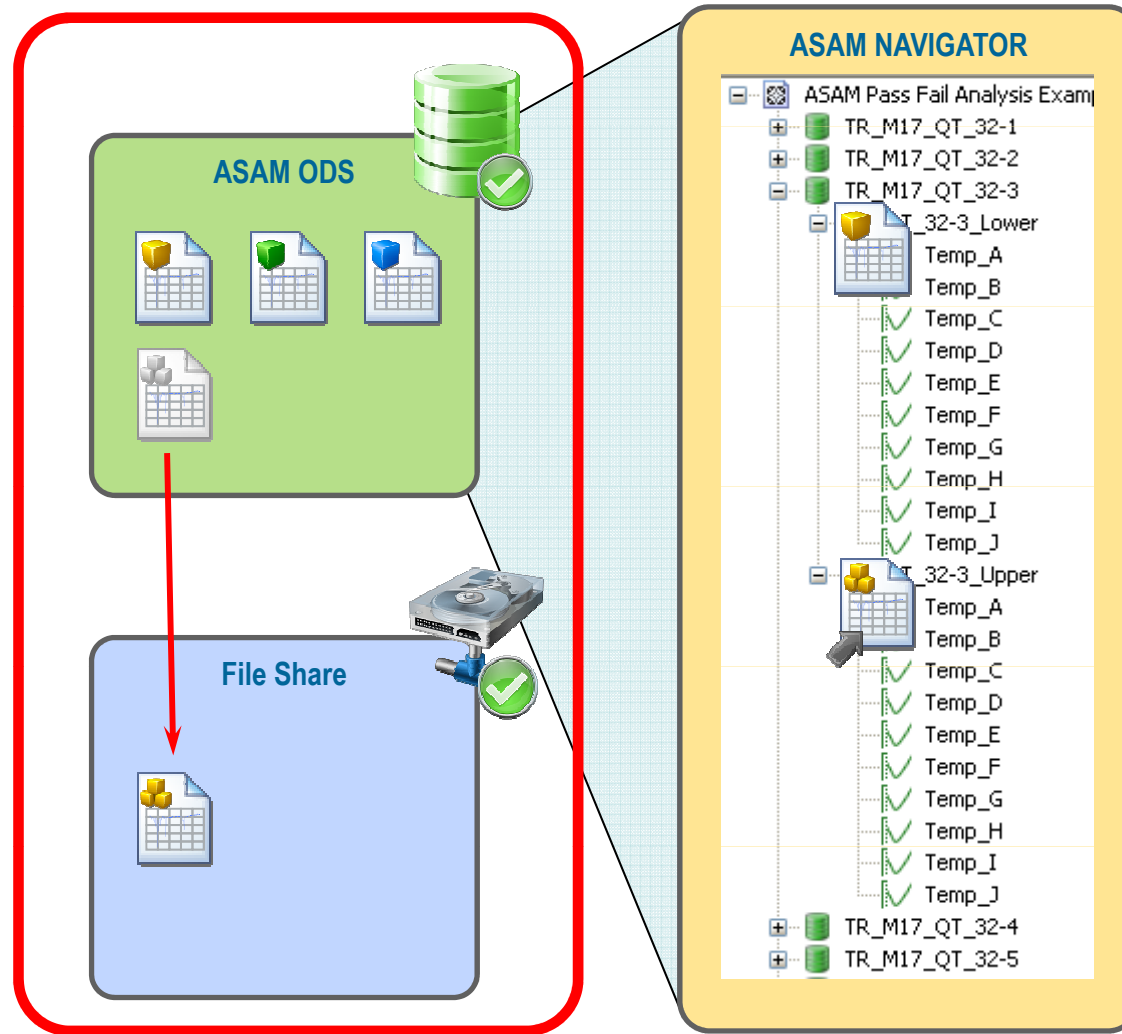
„VIAduct“

# Typical Data Flow





# Bridging the Gap between Two Worlds



# „VIAduct“ Live Presentation

# Summary

- 3 Options: Data in ASAM-ODS, Data in Files, Combination of Both
- Using NI-Tools, all options provide a comparable level of functionality
  - Browse
  - Search
  - Preview
- Comparable API's
- Very similar User Interface
- Integrate with your existing Data Processing Tool Chain

# National Instruments at Testing Expo

Hall1, Booth 1720

Please ask for DIAdem Case Study „VIAduct“



# For more information, please visit:

## ***[ni.com/german/labview](http://ni.com/german/labview) and [ni.com/german/diadem](http://ni.com/german/diadem)***

- Introduction to LabVIEW & DIAdem
- Eval-Versions and Web Casts

## ***[ni.com / dataplugins](http://ni.com/dataplugins)***

- Download ready to use DataPlugins
- “How To” create your own DataPlugin

## ***[ni.com / support](http://ni.com/support)***

- Recent Software Upgrades and Patches

## ***[forums.ni.com](http://forums.ni.com)***

- Discussion Forum