



ENGINEER  
NEXT

NIDays

The image features a background of diagonal stripes in various shades of blue, green, and orange. The text 'ENGINEER NEXT' is prominently displayed in white, with 'ENGINEER' in a smaller font above 'NEXT'. A yellow graphic element, resembling a stylized 'X' or a folded ribbon, is positioned between the two words. In the bottom left corner, the text 'NIDays' is enclosed in a white rectangular box, tilted to match the overall diagonal orientation of the design.



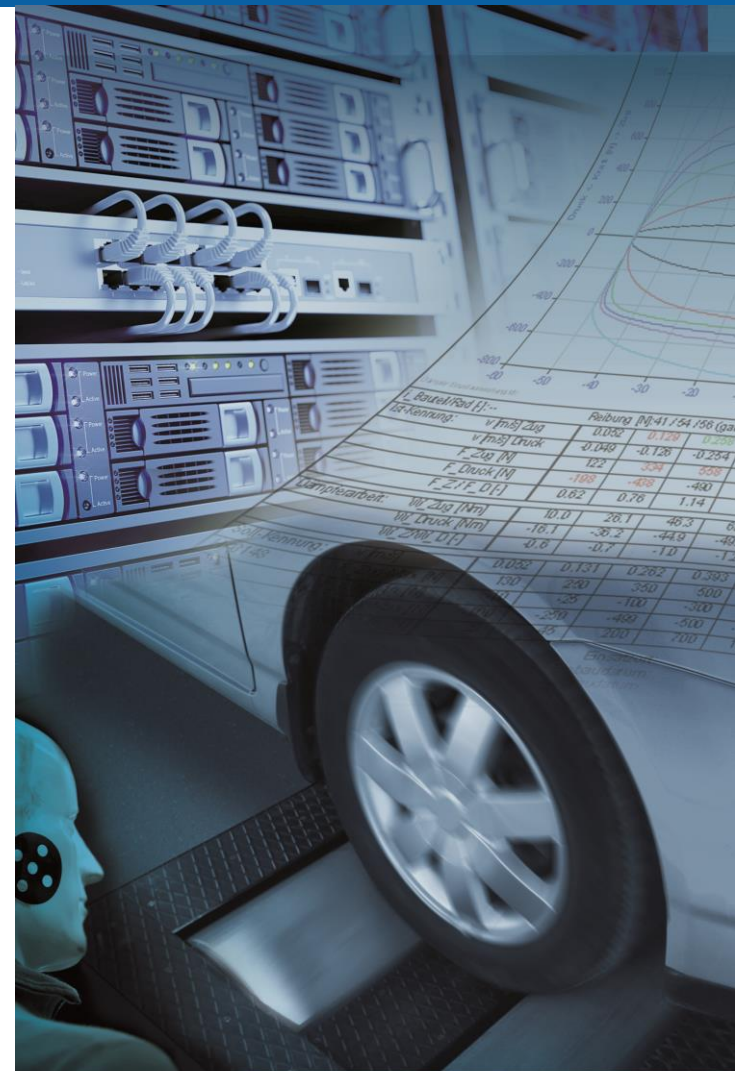
# Automated analysis of data collected in vehicles based on X-Frame and NI TDM Server

measX GmbH & Co. KG.

Sales Manager

Josef Eiswirt

# The Challenge of Data Driven Development





# measX GmbH & Co KG

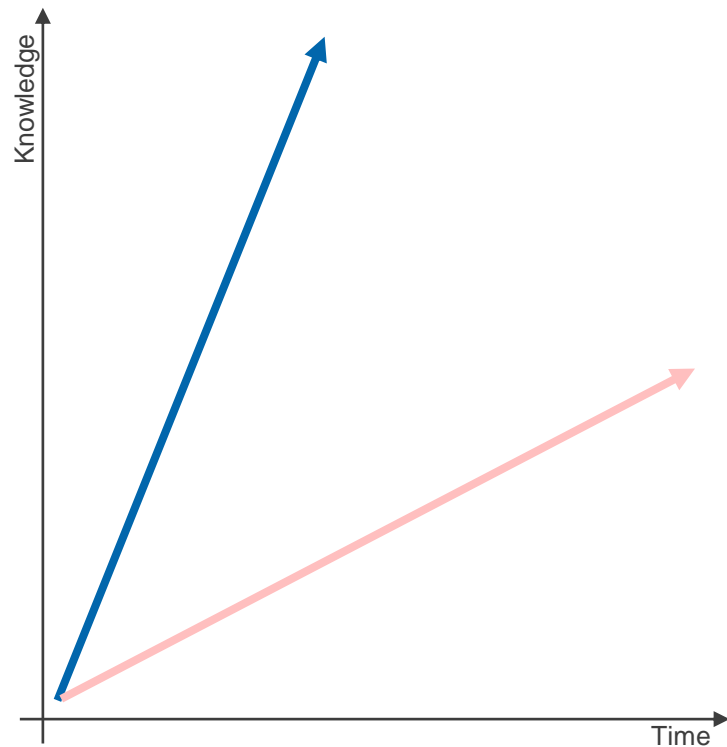
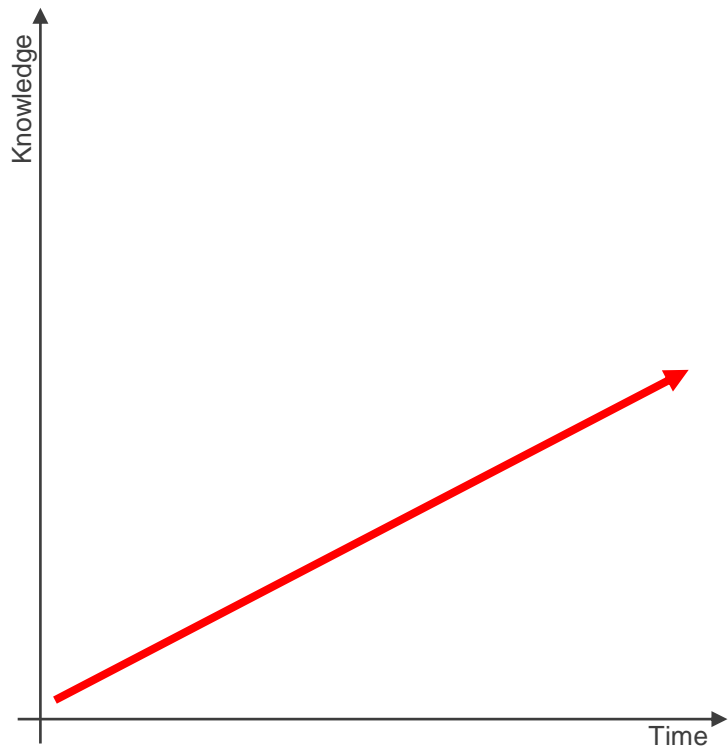
Experts for Test Bench Technology and Test Data Management

Our Keynote: Obtain reliable measurement values. Use test data efficiently.

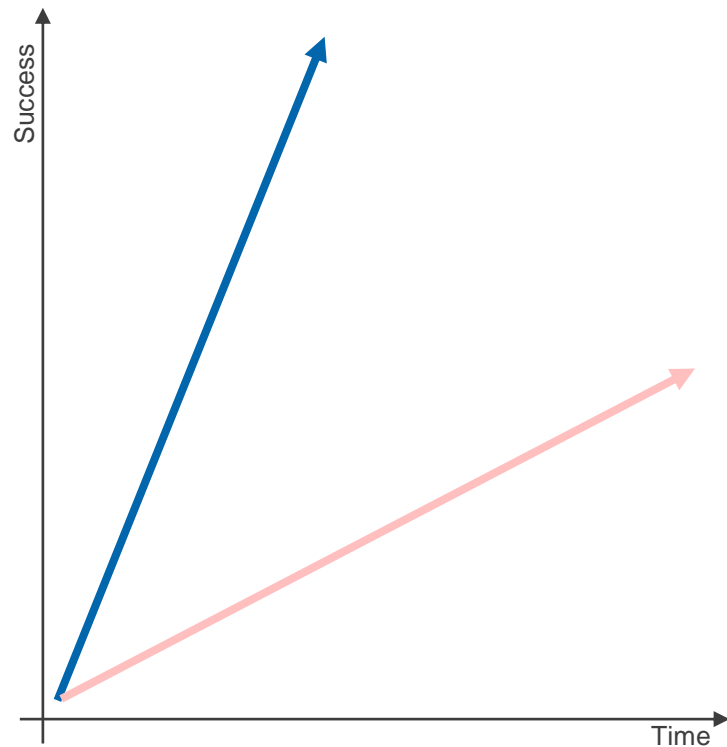
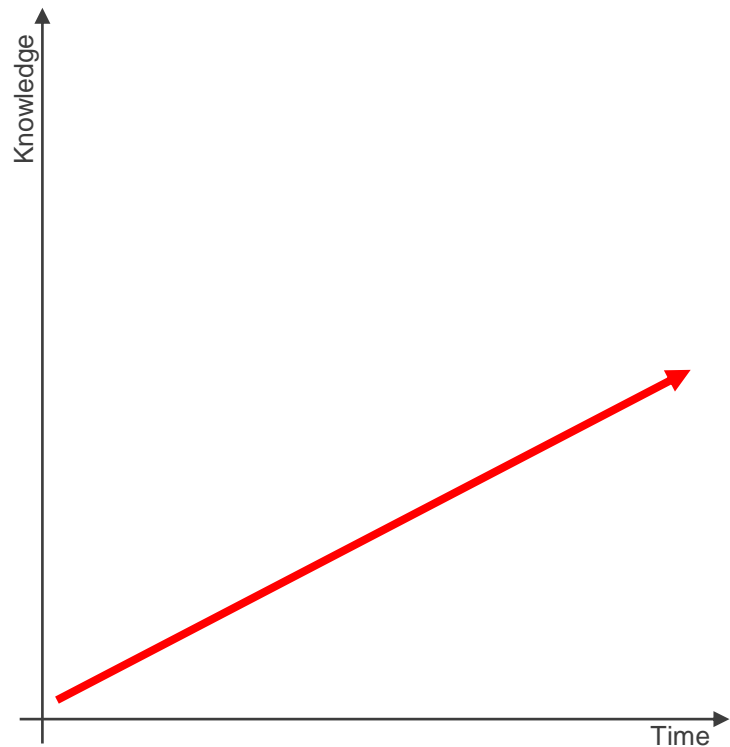
Over 40 Engineers located in Moenchengladbach, Aachen and Ludwigsburg



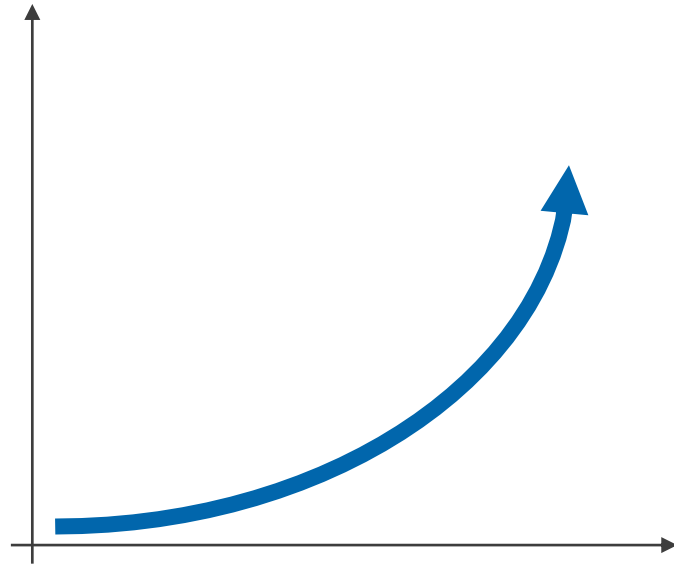
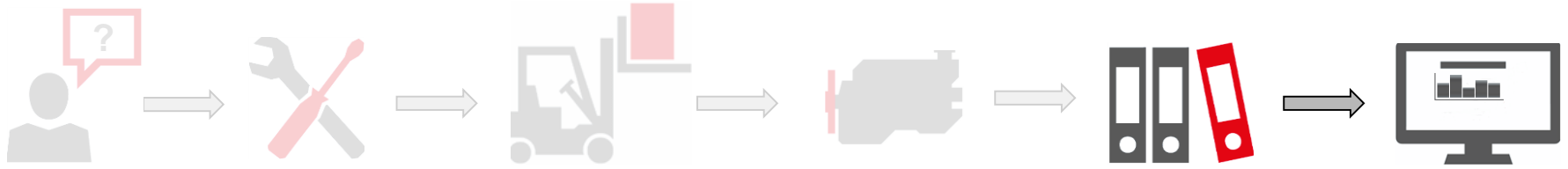
# The Challenge



# The Opportunity

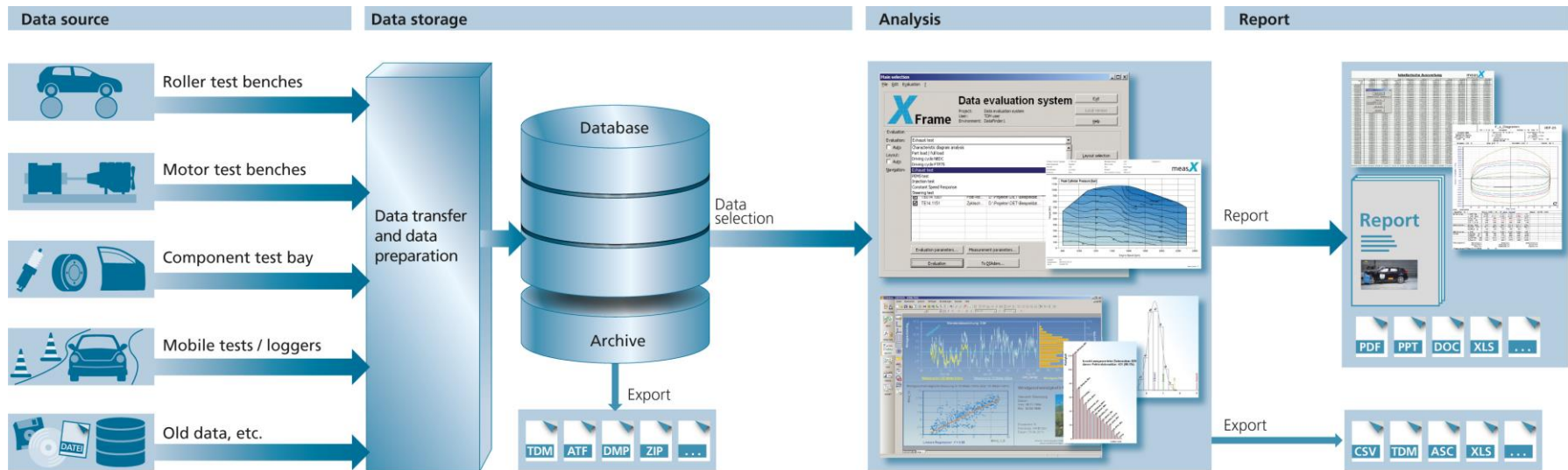


# Why Data Management ?

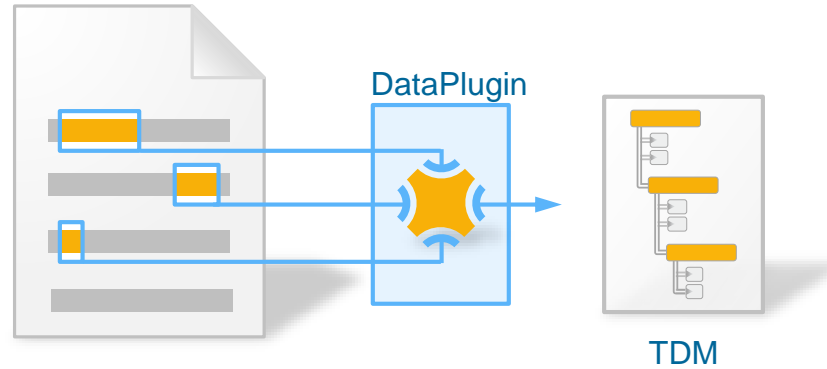




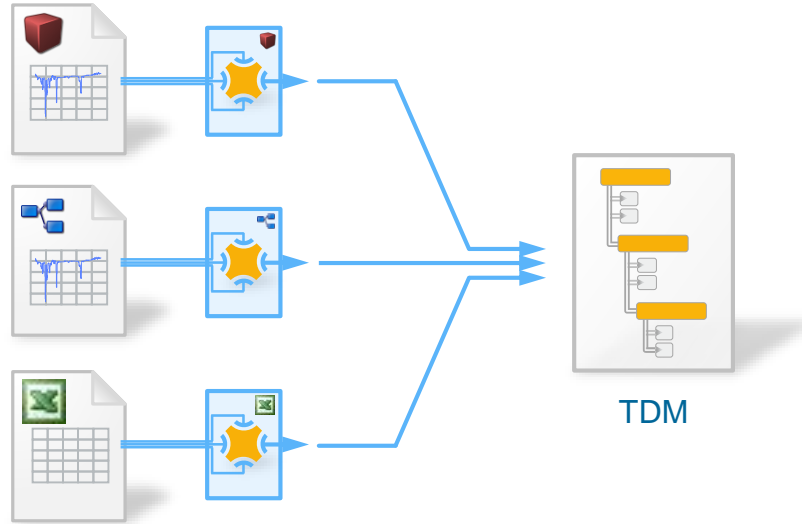
# The Process



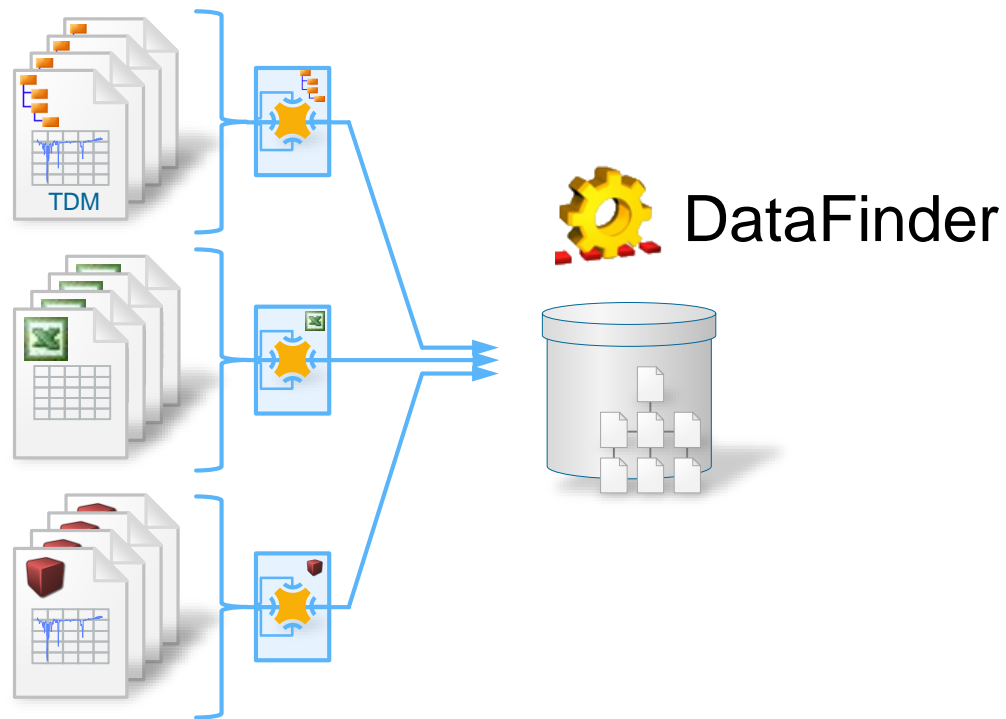
# Data Import – Data Plugins



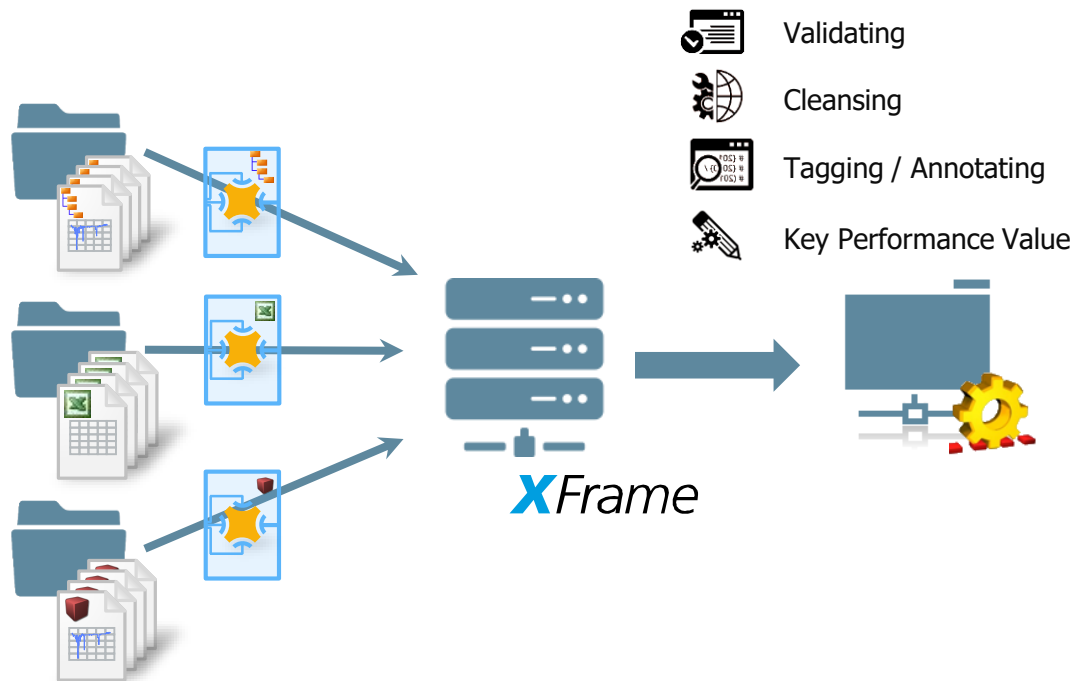
# Data Import – One Dataformat



# Data Storage



# X-Frame Importer / Data Preprocessor



# X-Frame



Evaluation

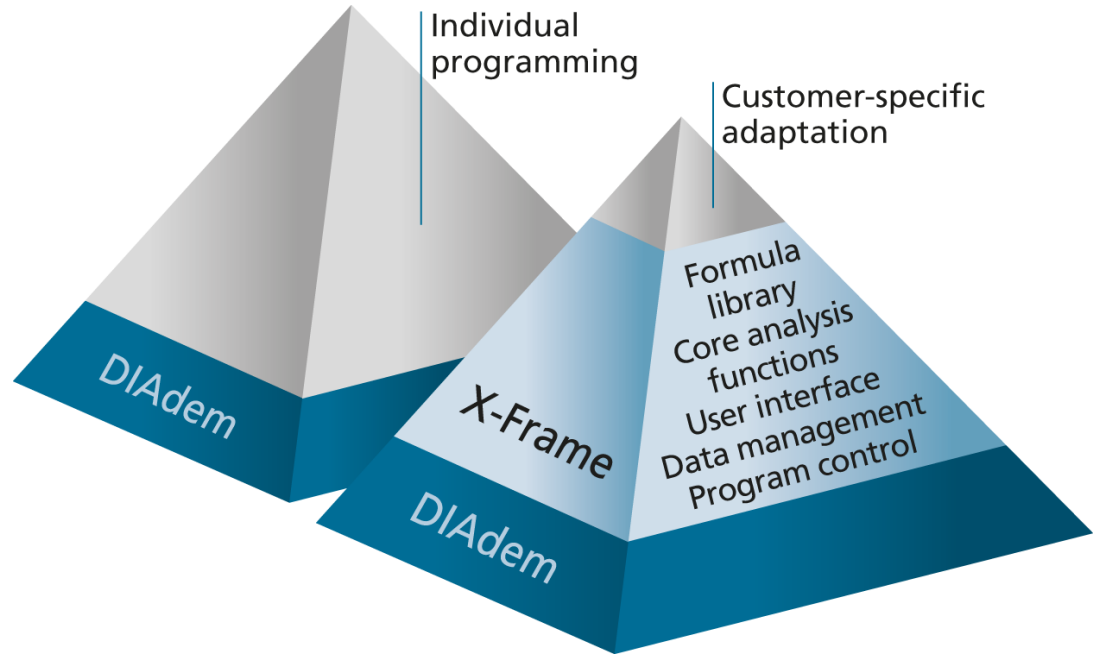


Reporting

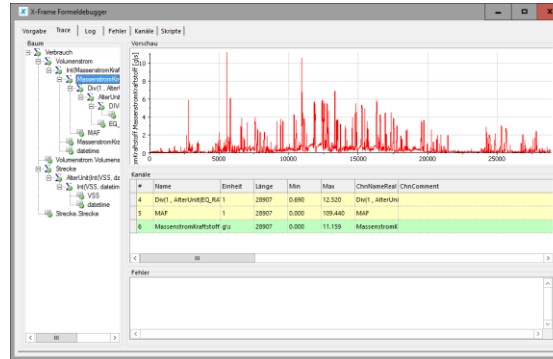
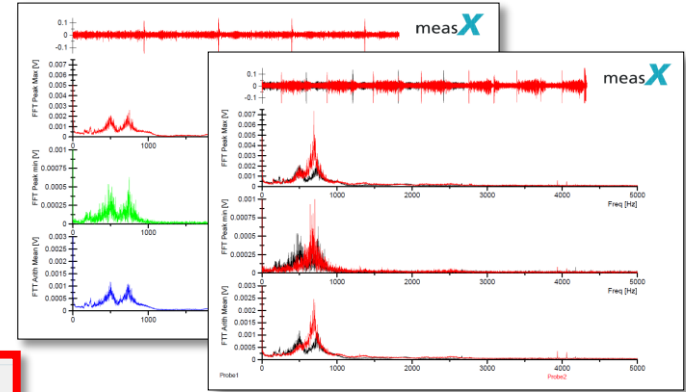
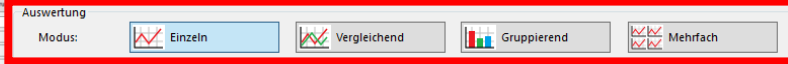
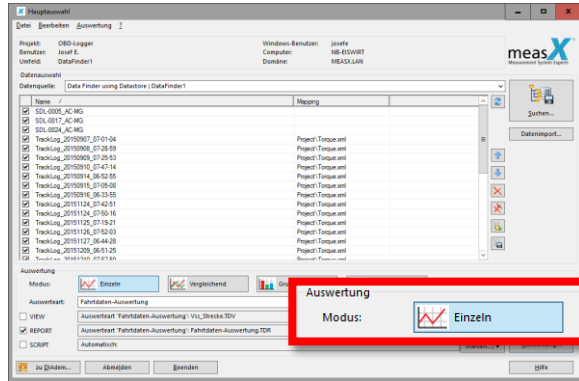


NATIONAL INSTRUMENTS

DIAdem™



# X-Frame means Efficiency



Kanalmapping aus Layout generieren

Mappingdatei: C:\Ewert\VF Demo\Project\OBD-Mapping\Torque.xml

Auswertung: TrackLog\_20110915\_07-05-08

Messung: TrackLog\_20110915\_07-05-08

Mapping zuweisen

Anforderter Kanal

Anforderter Kanal	Quellkanal	Typ
datetime	Device_Time	Messgröße
VSS	Speed_OBD	Messgröße
Strecke		Messgröße
Gangwechsel		Messgröße
RPM	Engine_RPM	Messgröße
StreckenGang		Messgröße
Beschleunigung		Messgröße
ECT	Engine_Coolant_Temperature	Messgröße
Verbrauch		Messgröße
Volumenstrom		Messgröße
Massenstromkraftstoff		Messgröße
EQ_RAT1	DPISAI_Fuel_Ratio_1%	Parameterfeld
Air_Fuel_Ratio	Air_Fuel_RatioMeasurement	Messgröße
MAF	MAF_Air_Flow_Rate	Messgröße

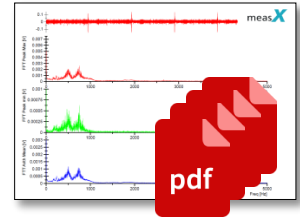
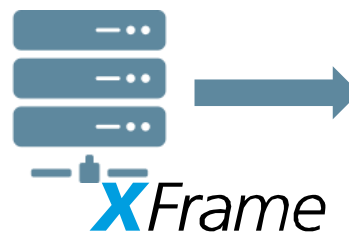
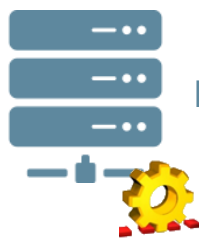
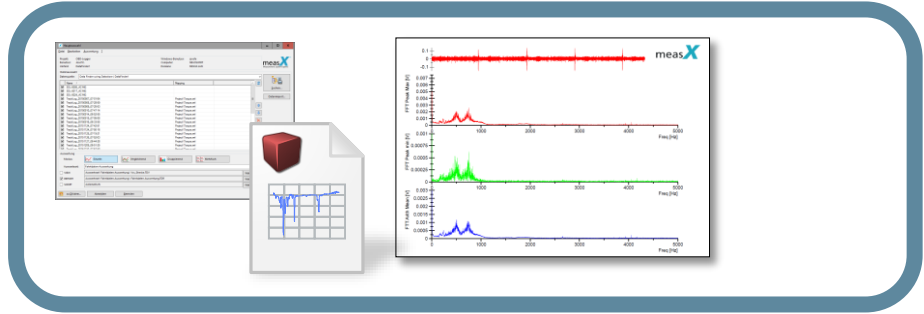
# X-Frame Server Applikation



Evaluation

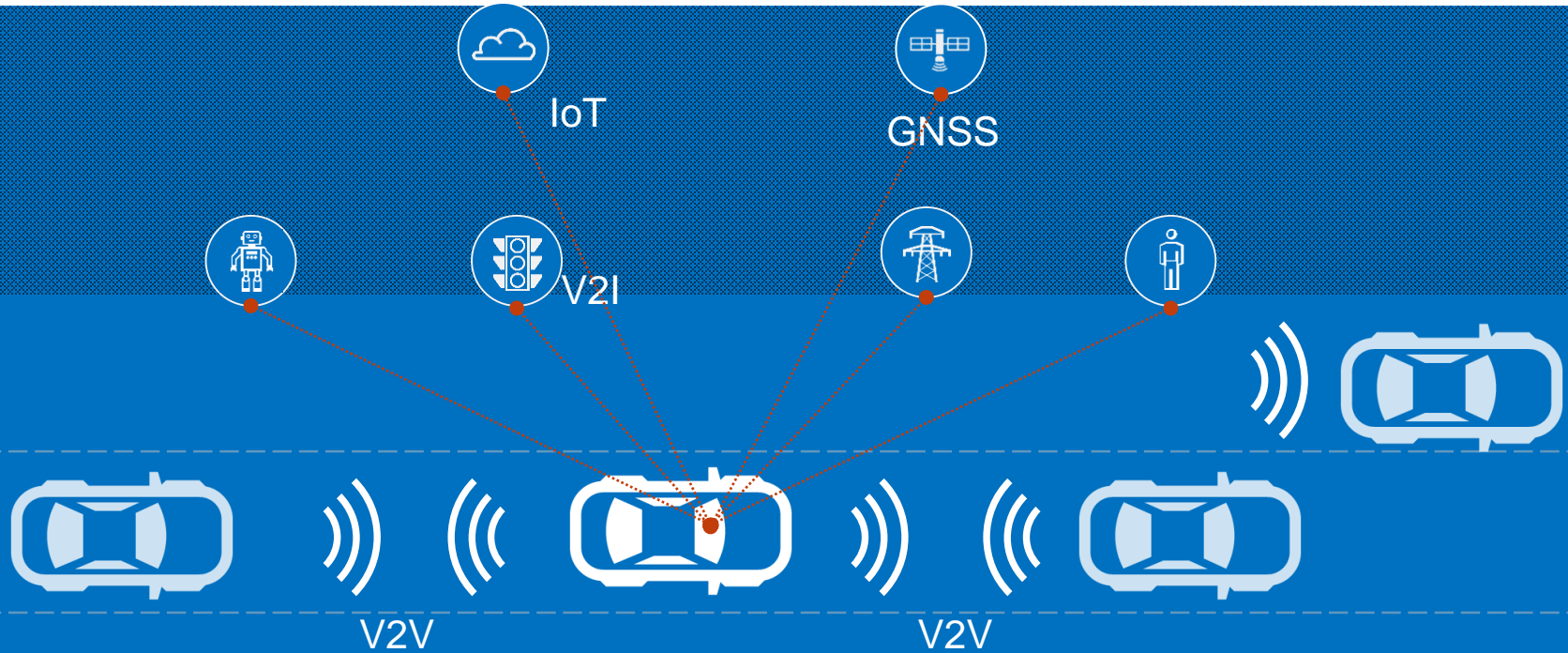


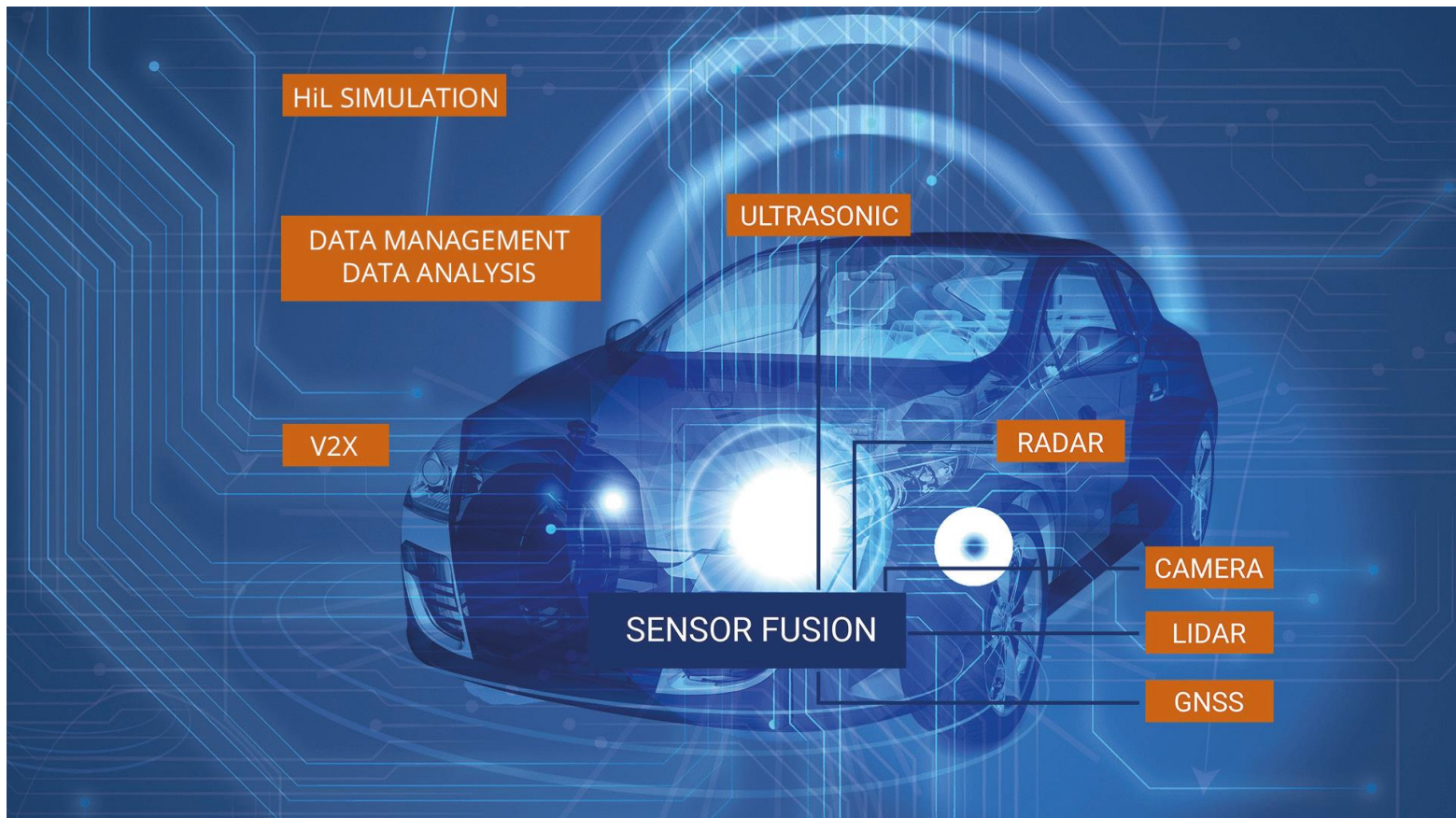
Reporting



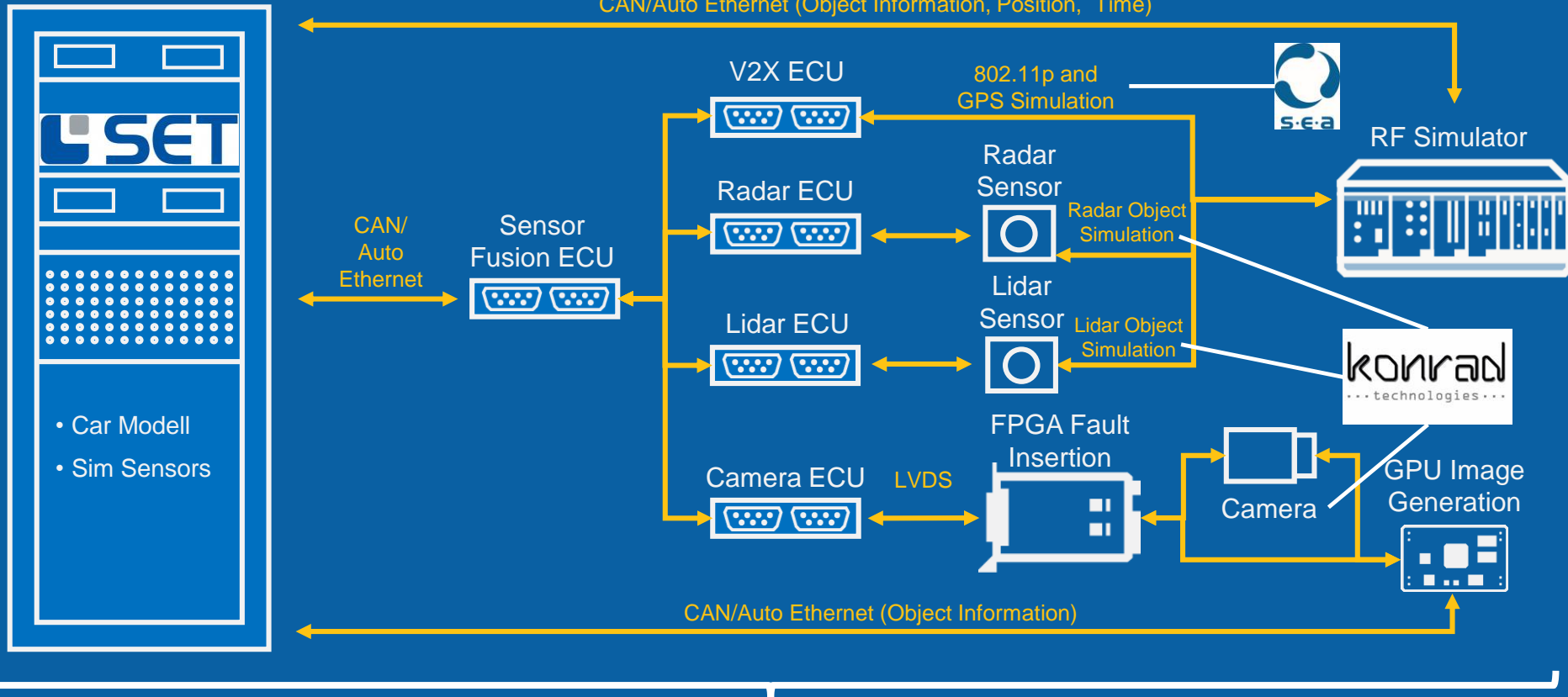


# ADAS



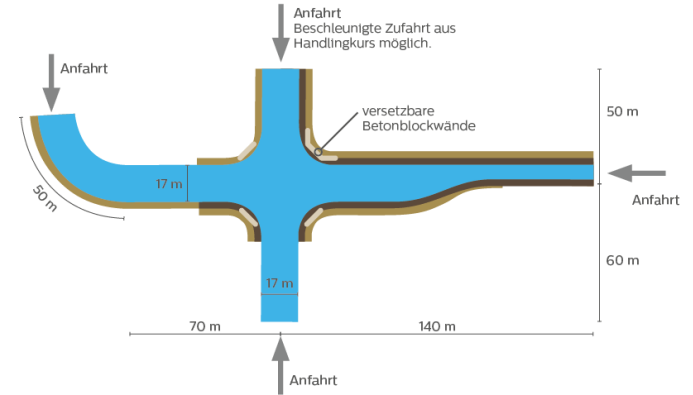


# HIL Simulator



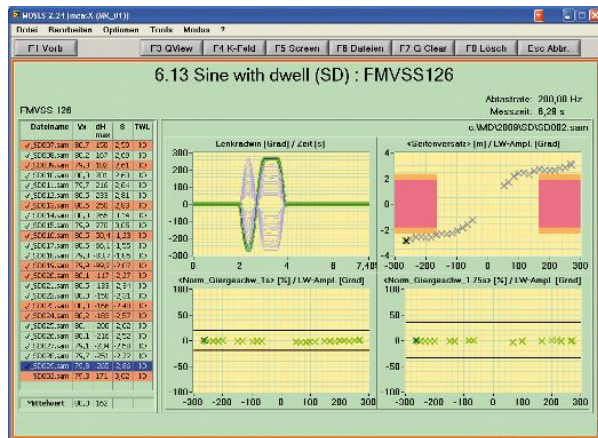
Data Management and Evaluation

# ATC Test Track

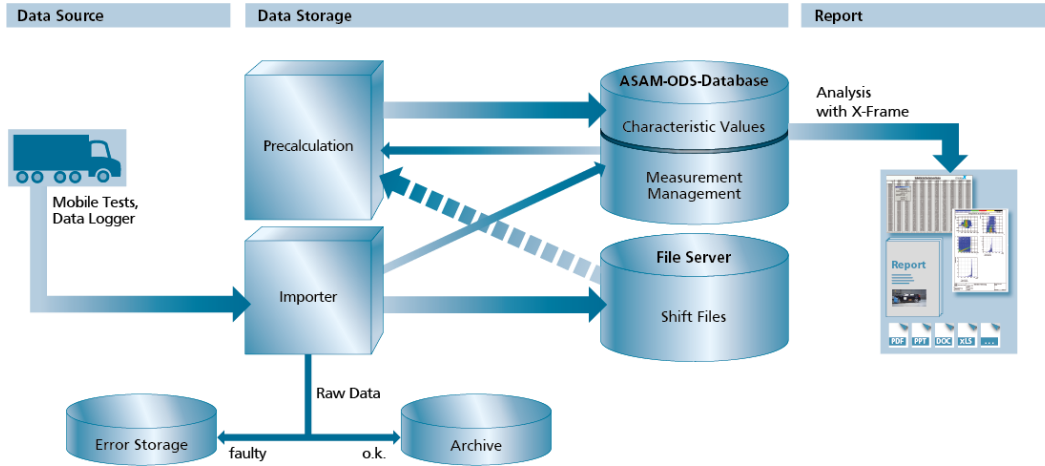




# In-Vehicle-Testsystem

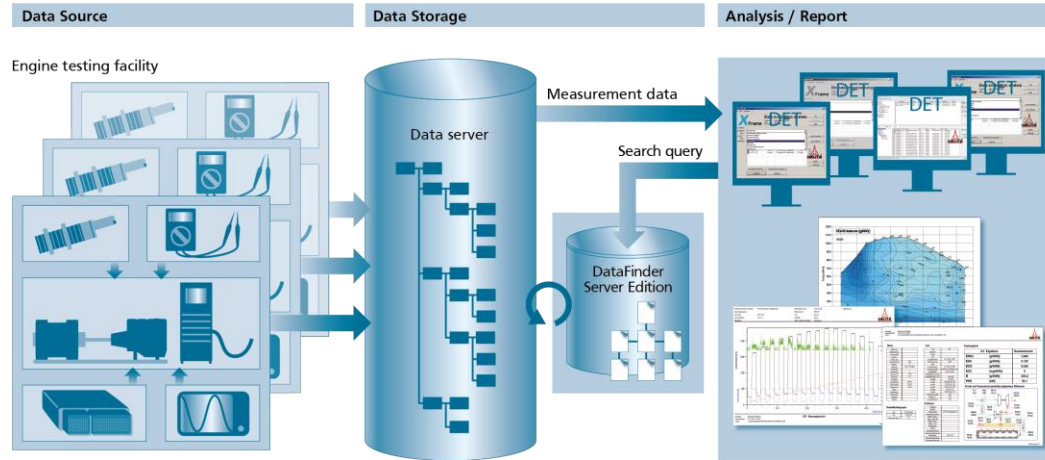


# Testdatenmanagement Example



Daimler

# Testdatenmanagement Example



DEUTZ

## Stay Connected During and After NIDays



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