OPENMDM IN THE FOCUS OF BMW'S TEST BASED VERIFICATION PROCESS

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- Solution based on openMDM
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MEASURED DATA MANAGEMENT AT BMW.
SOLUTION BASED ON OPENMDM.

Middlelayer
Integration platform

Web Client
With UI and useful functions

Authentication / Authorization
User/Role synchronization and SingleSignOn

Import Processes
To get the data stored sustainably

Data Sources
Multiple areas, one IT System

Crossover to analysis
Special evaluation tools

Interfaces
For different needs

Specific Components/Logic
To implement special requirements
USE CASE: OPENMDM @ E-MOBILITY.

Audit-Area:
Test benches and disassembly

Persist and aggregate the data

Single data model and application

“Get a common ground”

Find and examine data
Use special tools

Visualization and communication

Units for electric power train

Prod. Lines  Test Field  Harmonize  Import  Analysis  Reporting

ASAM
SUMMARY AND LOOKOUT.

- **Benefits:**
  - Standardized data management (ODS) with openMDM abstraction
  - Ready-to-use functionalities and solution kit
  - Open source (give and take), continuous development, vendor independent, no licence costs

- **Challenges:**
  - Refinement of the out-of-the-box rollout process, especially subject-specific matters
  - Extension to overall verification process
  - Feedback to simulations
  - Cloud-ready deployment
  - Strengthening of the community