

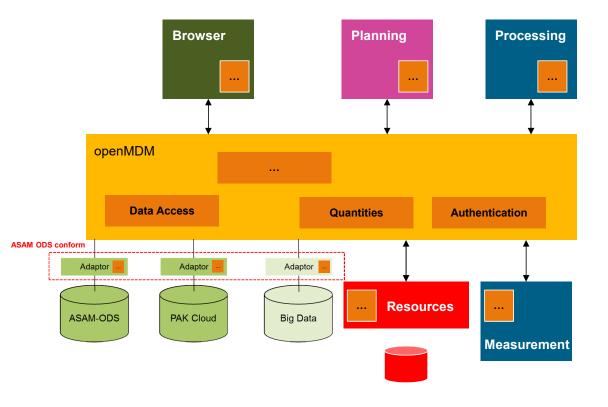


# Müller-BBM VAS & Siemens openMDM® Strategy

openMDM® Annual Meeting, 1 Aug 2018

Page 1 2018.08.01 Siemens PLM Software & Müller-BBM VAS

# Solution with openMDM® 5







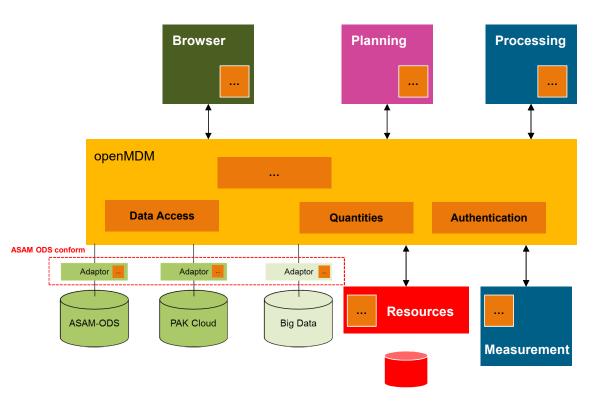
# openMDM® 5 = Layer of Middleware

- Modifications to data acquisition and data processing solutions are standardized, independent from installation/customer
- This results in higher quality and better performance
- Common concerns and operations such as security, quantities, etc. can be handled centrally in a unified way, independent from the authoring tools

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# Solution with openMDM® 5



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# MÜLLER-BBM SIEMENS VibroAkustik Systeme



Siemens & Müller-BBM VAS identified the following areas to be investigated:

- 1 Authentication
- Physical Quantities/Units
- 3. Performance for large data sets
- 4. Measurement locations
- 5. Sensor data
- 6. Data storage ASAM ODS 6

Siemens and Müller-BBM VAS will:

- Cooperate with Automotive OEM customers to agree on use cases
- Write clear specification documents for components to be developed
- Have a service provider doing the coding
- Manage their ODS sources

Siemens PLM Software & Müller-BBM VAS

### **Current Status**





#### 1. Authentication & Roles

- All input taken from OEMs
- Project started with CANOO
- Solution proposal prepared & accepted by AC & SC
- Prototype implementation finalized
- Code transferred to EWG development team
- Code checked, minor fixes & completions done ready for testing
- Target for R 5.0.0

#### 2. Quantities & Units

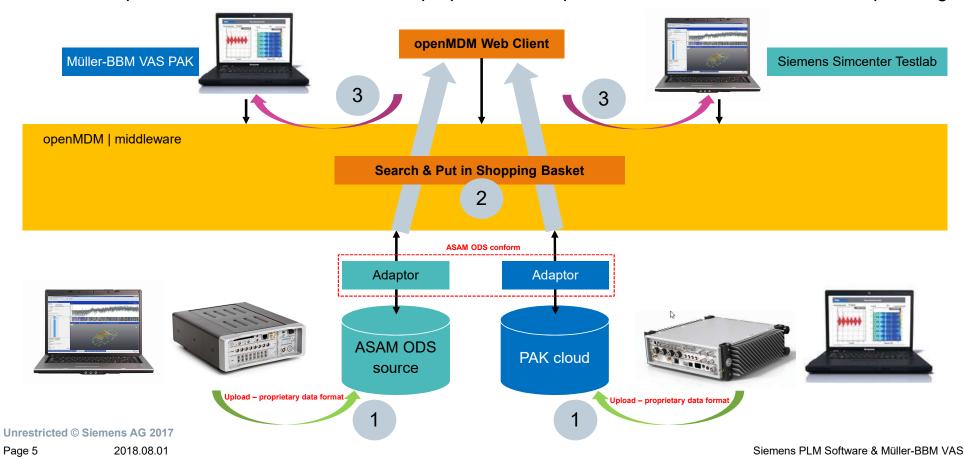
Technical discussion initiated between Müller-BBM VibroAkustik Systeme and Siemens

# **Round Trip Demo Environment**



Ingenuity for life

As a next step, Müller-BBM VAS and Siemens propose to set up a demo environment for "round trip testing"



## **Future Considerations**





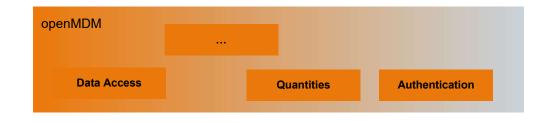
## Fundamental question 1:

When do we reach the point where openMDM 5 can fully replace openMDM 4?

- What functional blocks are missing
- How much workload is required
- Clarify the added value of openMDM 5 wrt openMDM 4

Fundamental question 2:

Can we come to a clear and sustainable financial model to get there?



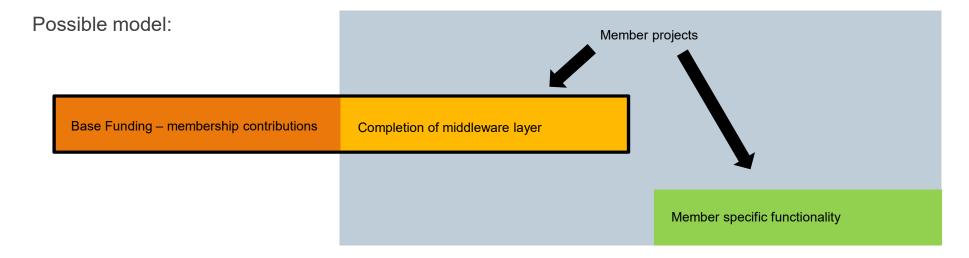
# **Financial Modal**





Considerations in previous SC meetings:

- Yearly fixed intake from membership contributions
- For 2018-2019, there is an initial deficit on this number given some prepayments done by MBBM and Daimler in order to ensure continuity for the last months of the previous working year
- Estimated need for a minimal working model is considerably higher than current fixed intake



# **Financial Modal**





Considerations in previous SC meetings:

- Yearly intake is around 206 k
- For 2018-2019, there is an initial deficit on this number given some prepayments done by MBBM and Daimler in order to ensure continuity for the last months of the previous working year (60 k)
- Estimated need for a minimal working model is rather in the order of 500 k per year

