Data Collection and Management

Data Management and Data Processing at the German1-VMC

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Final Event 26-27 June 2012 Autoworld, Brussels



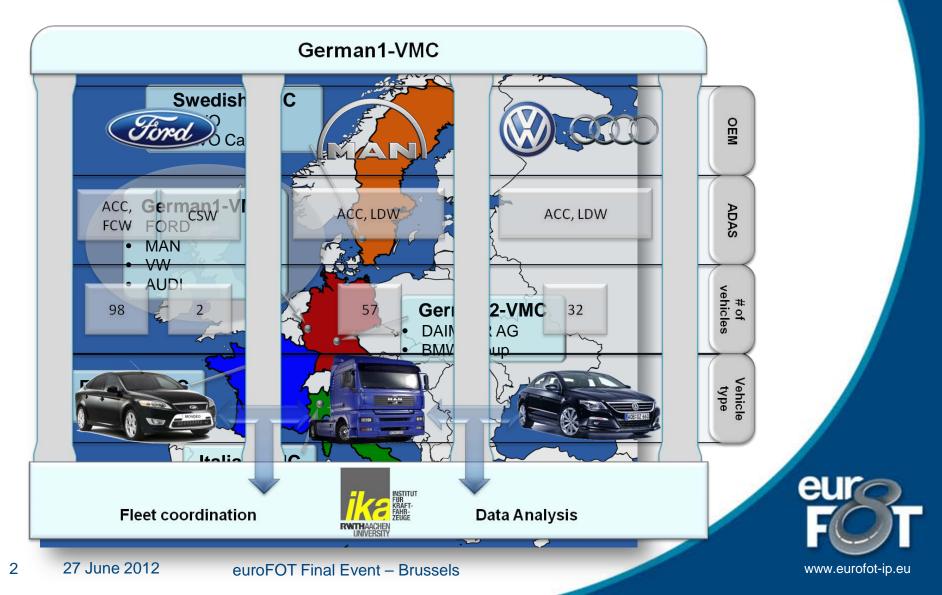


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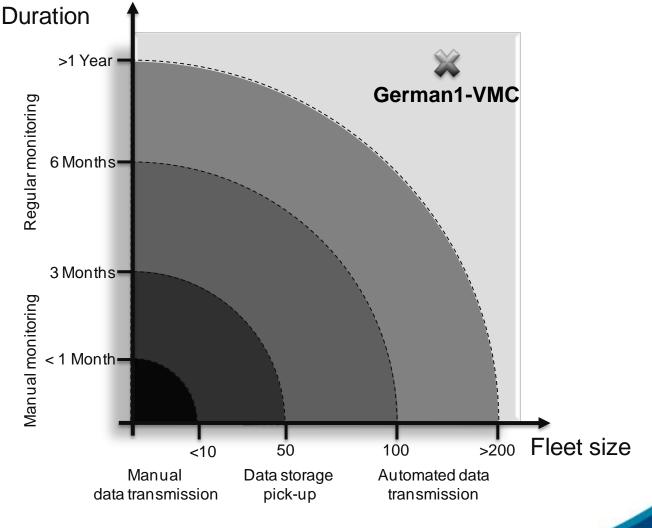


Bringing intelligent vehicles to the road

German1-VMC



Complexity of data management





Data collection

- All customer vehicles were equipped with a data acquisition system (DAS), which enables recording of all relevant signals
- Oriver is not involved in any of the data acquisition processes
 - Data upload procedure (upload of data from the DAS to a server system) is performed without any requirements and interactions with regard to the driver
- DAS is a small and compact unit that can easily be integrated in the vehicle
 - No modifications on the customer vehicles needed
- DAS is equipped with a GPRS module
 - ▷ Wireless upload of collected data to centralised server

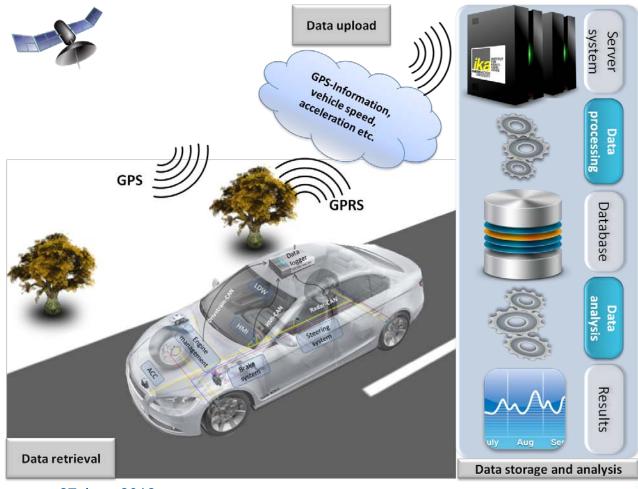








Data upload



- Collection of around 110 vehicle signals from CAN-Bus
- Process of data upload and processing is designed to work fully autonomously

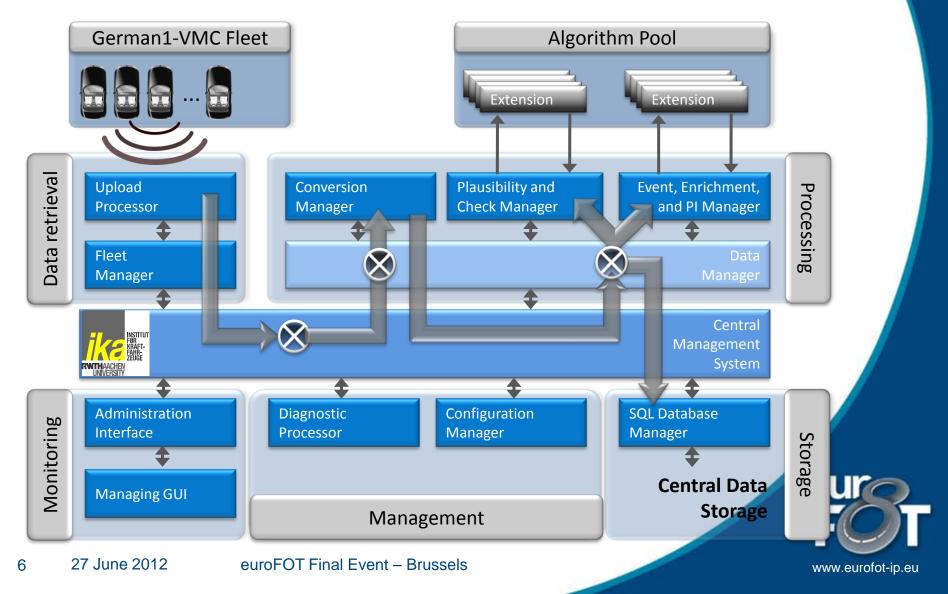
No driver interaction required



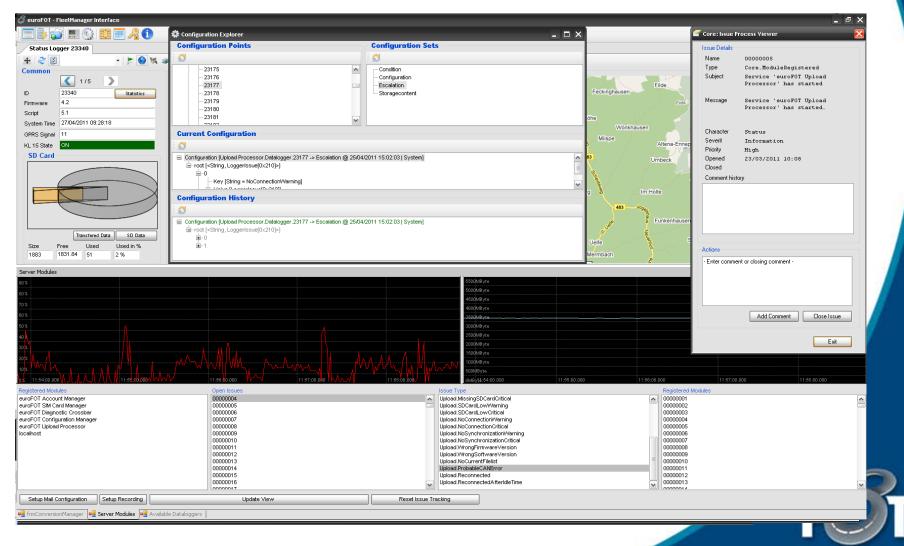
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Required infrastructure



Monitoring - Fleetmanager



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Some things will never change...





8 Functionalities, 28 Partners, 1000 Vehicles **1 Field Operational Test, 8 Functionalities** 28 Partners, 1000 Vehicles, 1 Field Operational Test 8 Functionalities, 28 Partners, 1000 Vehicles **1 Field Operational Test, 8 Functionalities** 28 Partners, 1000 Vehicles, 1 Field Operational Test 8 Functionalities, 28 Partners, 1000 Vehicles **1 Field Operational Test**



