Data Collection and Management

Managing euroFOT data in the Swedish VMC

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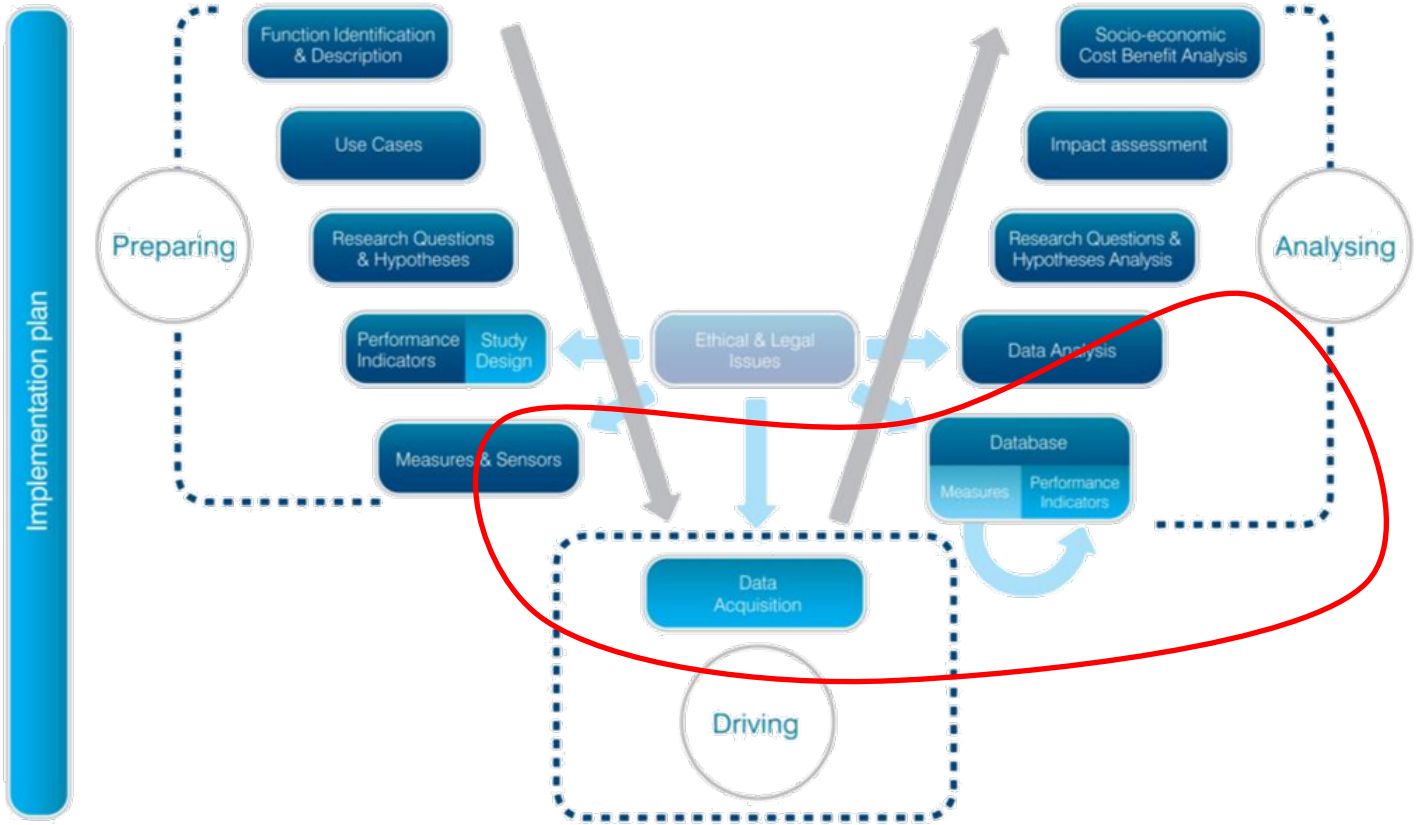
www.eurofot-ip.eu

Data management - what is it?



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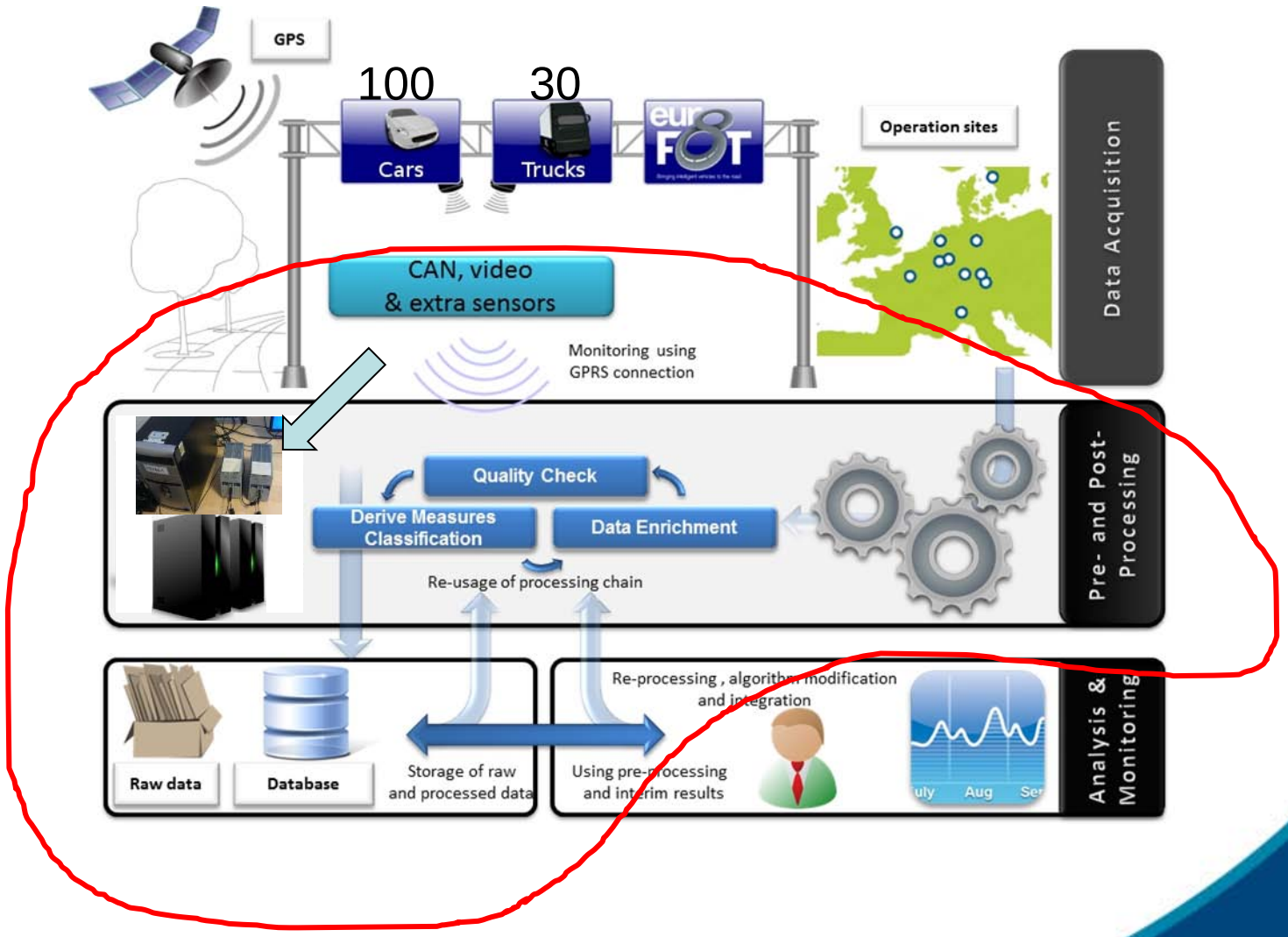
EuroFOT Data Management Chain



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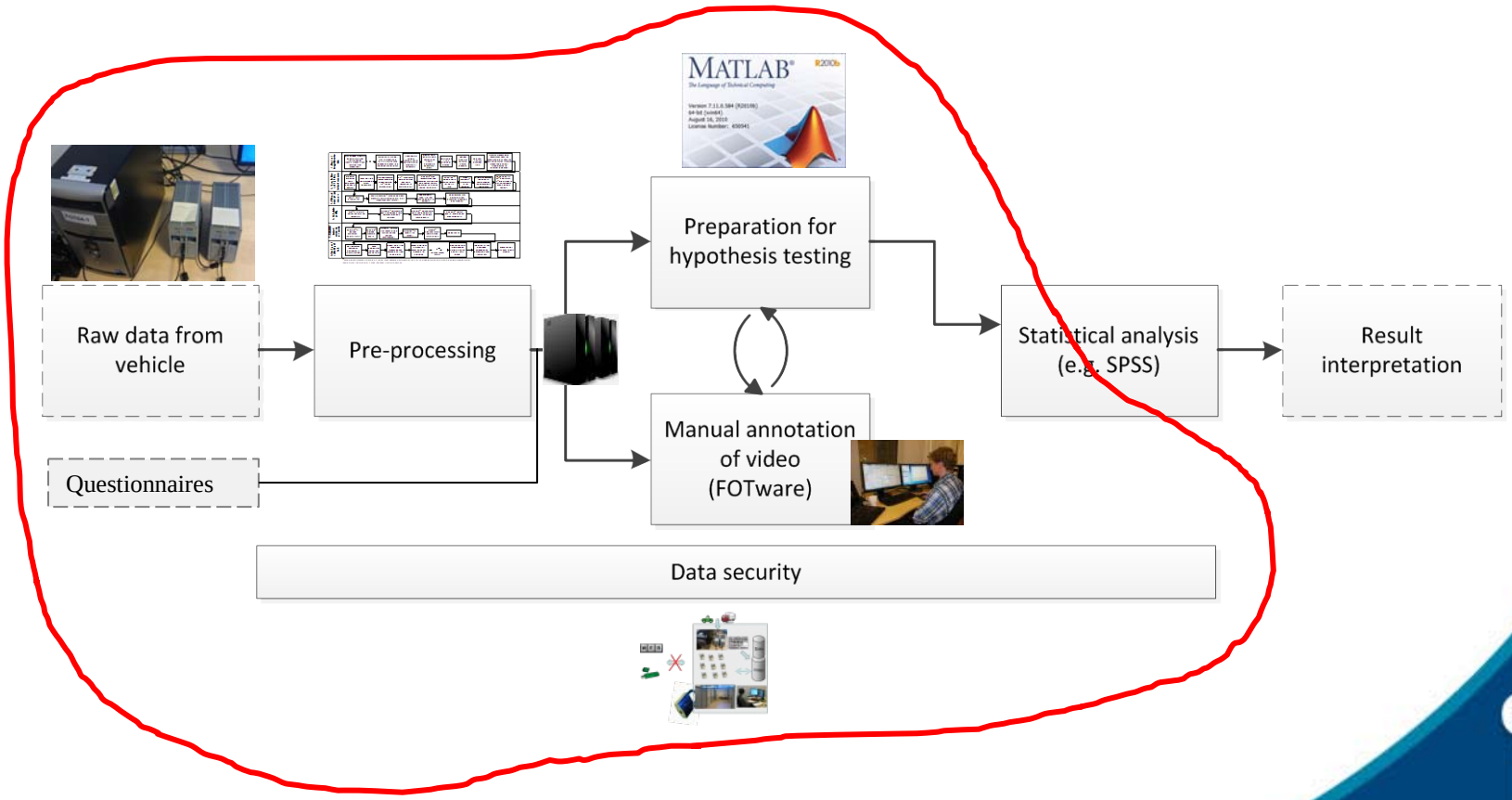
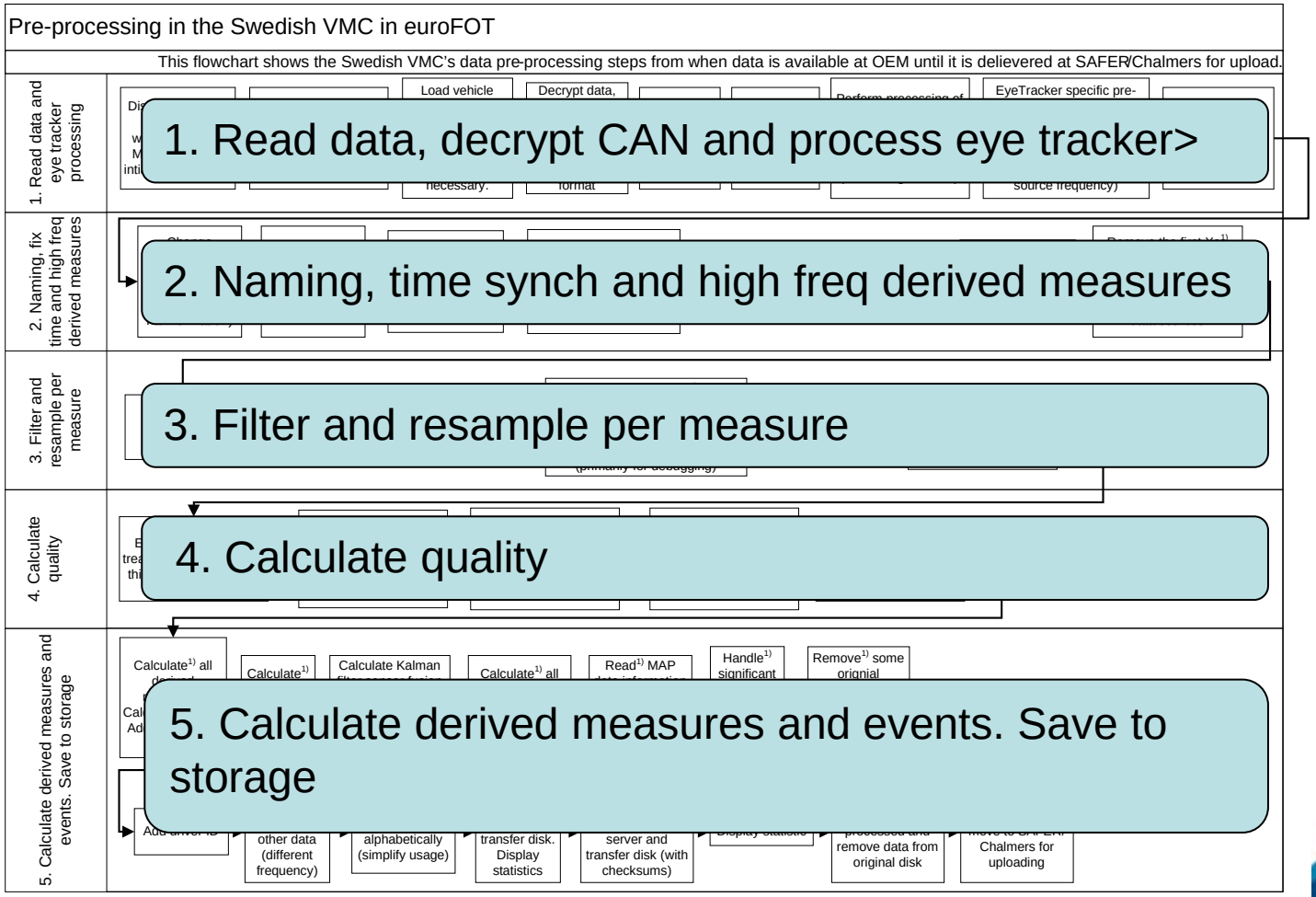
Swedish VMC Data Management Chain



Data Acquisition System

- Of the shelf components
- In-house developed software (modified for euroFOT)

Pre-Processing

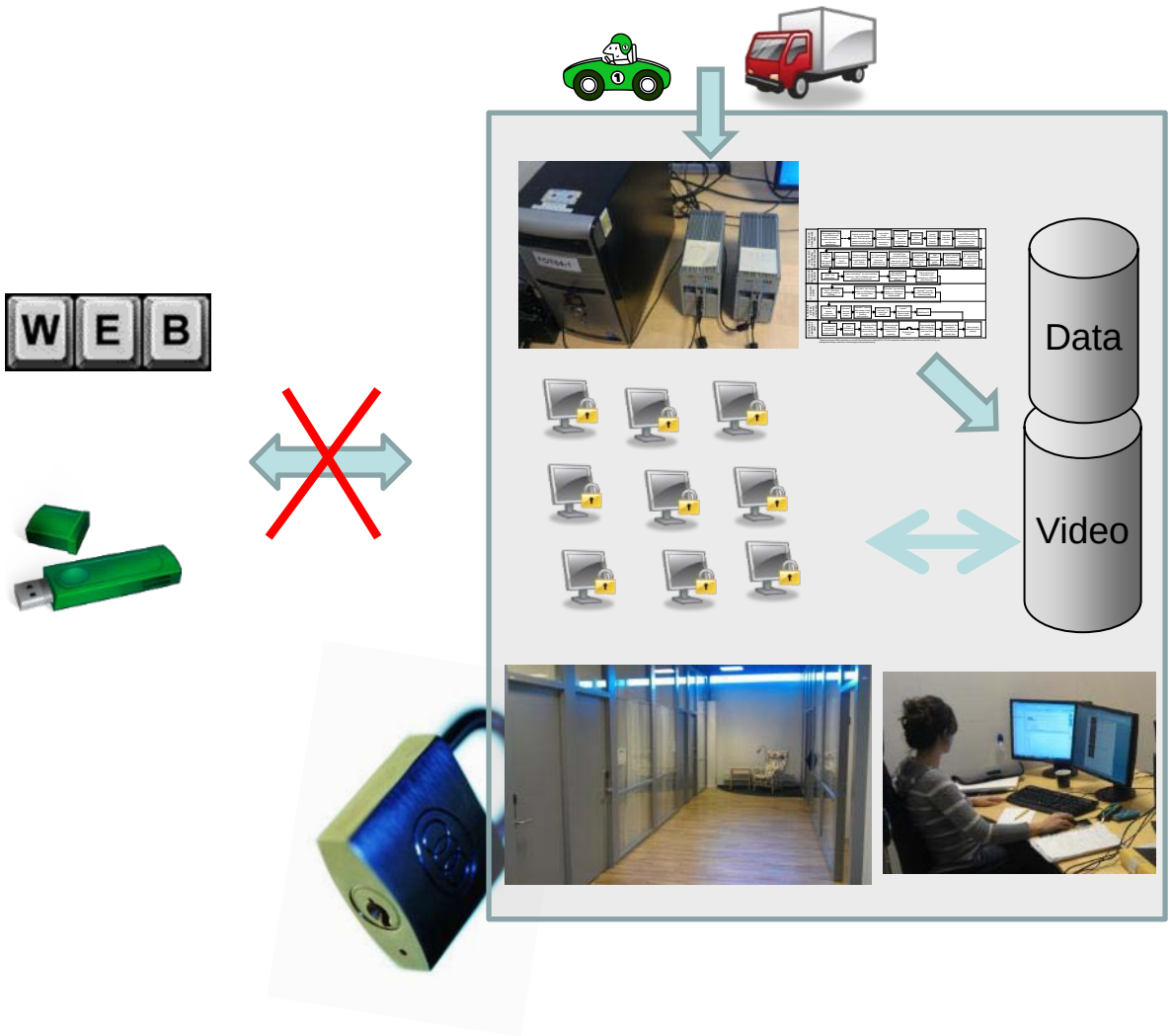


[1] The OEM specific information about per-vehicle configuration is added in the MS Excel document called MEPS. This document is then parsed by Matlab and a Matlab structure (called oPreProcCfg) containing all relevant configuration information (for each indivudual vehicle) is used in all steps of the pre-processing.

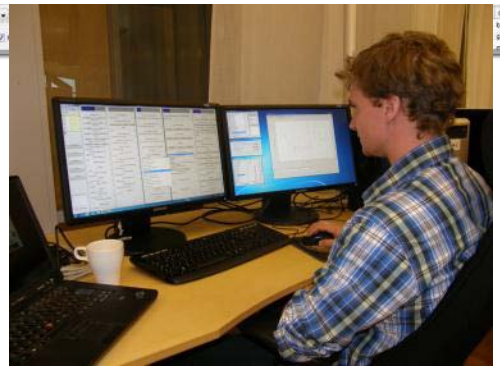
Storage and Databases

- File system storage of video
- OracleTM SQL server for metadata, events, annotations and time-history data

Data Security and Access



FOTware – Data analysis tool



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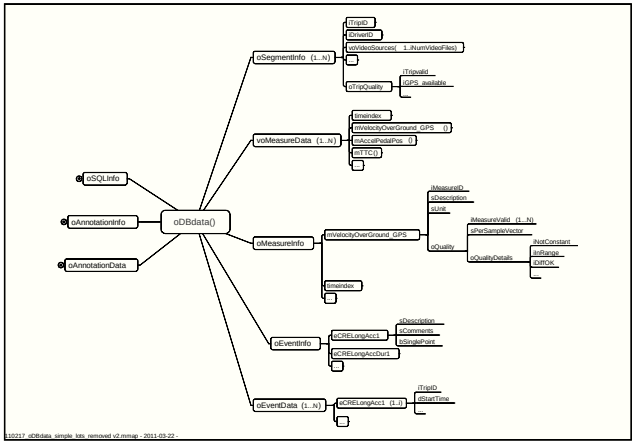
Hypothesis Testing Framework

- Matlab™
- Hypothesis analysis templates for scripts and input/output formats



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Conclusions

- Common euroFOT data management structure between sites
- Lessons learned from previous Swedish FOT/NDS projects very valuable
- Swedish implementation solid and proven - throughout the chain

8 Functionalities, 28 Partners, 1000 Vehicles

1 Field Operational Test, **8 Functionalities**

28 Partners, 1000 Vehicles, 1 Field Operational Test

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8 Functionalities, 28 Partners, 1000 Vehicles

1 Field Operational Test