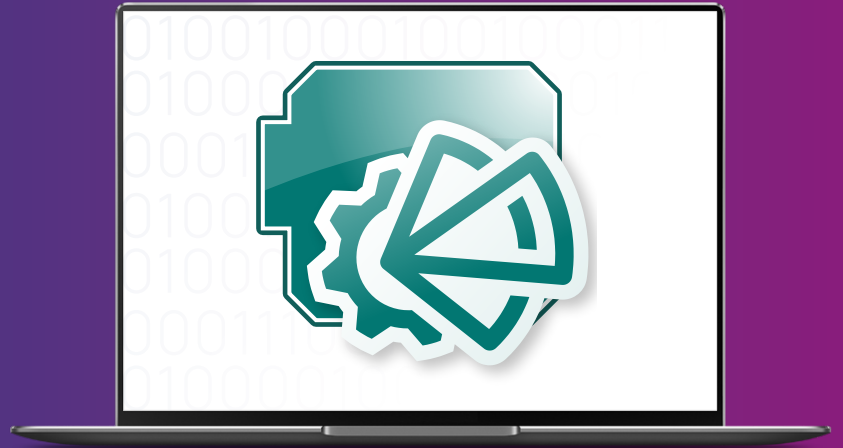
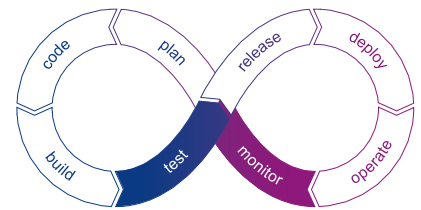


Management software for ADAS measurement systems RALO



Modular integration platform for data acquisition and processing

ETAS supports and facilitates the development of software-defined vehicles (SDV). RALO includes the following:



Areas of application

- RALO is used for broadband data acquisition and processing during the development and validation of ADAS/AD systems
- RALO enables the flexible organization of the complete ADAS/AD measurement network with several data sources (e.g. GETK-Px) and several data sinks (e.g. data recorder, visualization)
- RALO is used in the vehicle, laboratory or virtual environment

Functions

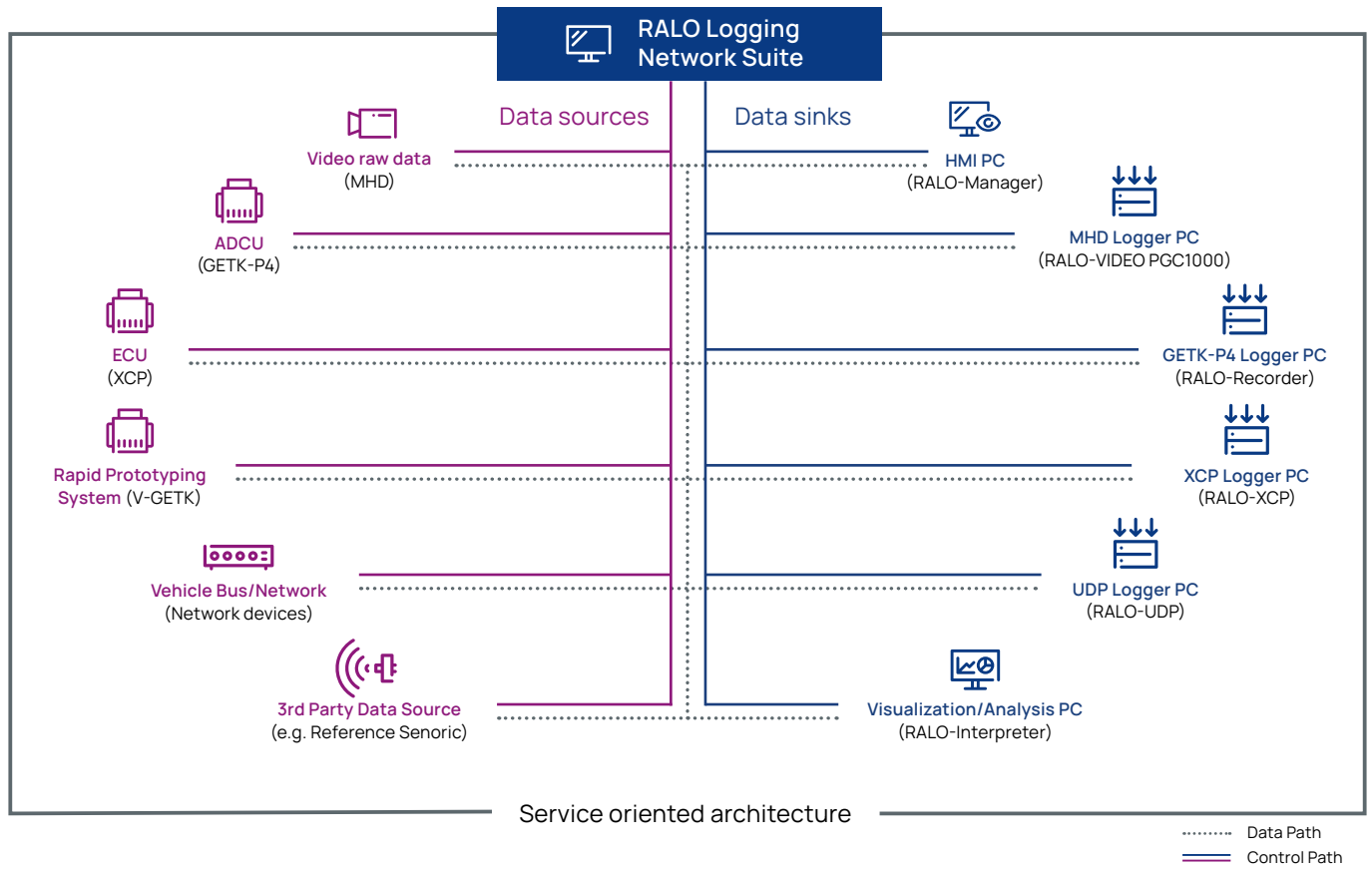
- Flexible configuration, control and monitoring of the AD/DA measurement network using the RALO Manager
- Integration of individual ETAS measurement technology components based on a service-oriented architecture (SOA)
- Support of "service-discovery" for the automatic identification of measurable data from the ecu-software
- High-performance data recorder (RALO-Recorder)
- Modular approach for the support of Windows and Linux

Benefits

- Reduction of system complexity in a wide range of application areas through a holistic and modular solution approach
- Investment security through future-oriented scalability & expandability
- Flexible integration into the tool chain through well-defined APIs
- Time and cost savings through shorter and less frequent test drives
- High reliability thanks to the transparent and continuous status monitoring

RALO – Logging Network Suite

RALO enables easy configuration, control and monitoring of distributed measurement networks for efficient data recording and visualization of any vehicle data



Data sources:

ETAS' own measuring devices are used as data sources, such as GETK-P4 (for ADAS/AD control units internal data) or MHD2.0 (for the data acquisition of raw video data), but also support data via standard protocols such as XCP, or bus and networks. In addition data sources from other manufacturers or reference sensors can be integrated, as well as the data acquisition from rapid prototyping systems (e.g. ROS).

Data sinks:

The data sinks, which are perfectly matched to the data sources, enable the reliable reception of data for storage or further processing. The modular design of the data sinks enables a flexible arrangement on a single or several PCs.