

WHATS NEW ADMA FW 35.2.0.x

WHATS NEW – FW 35.2.0.x

HW VERSION 3.5

- ADMA-G
- ADMA-Speed
- ADMA-Slim



GeneSys Elektronik GmbH
Offenburg

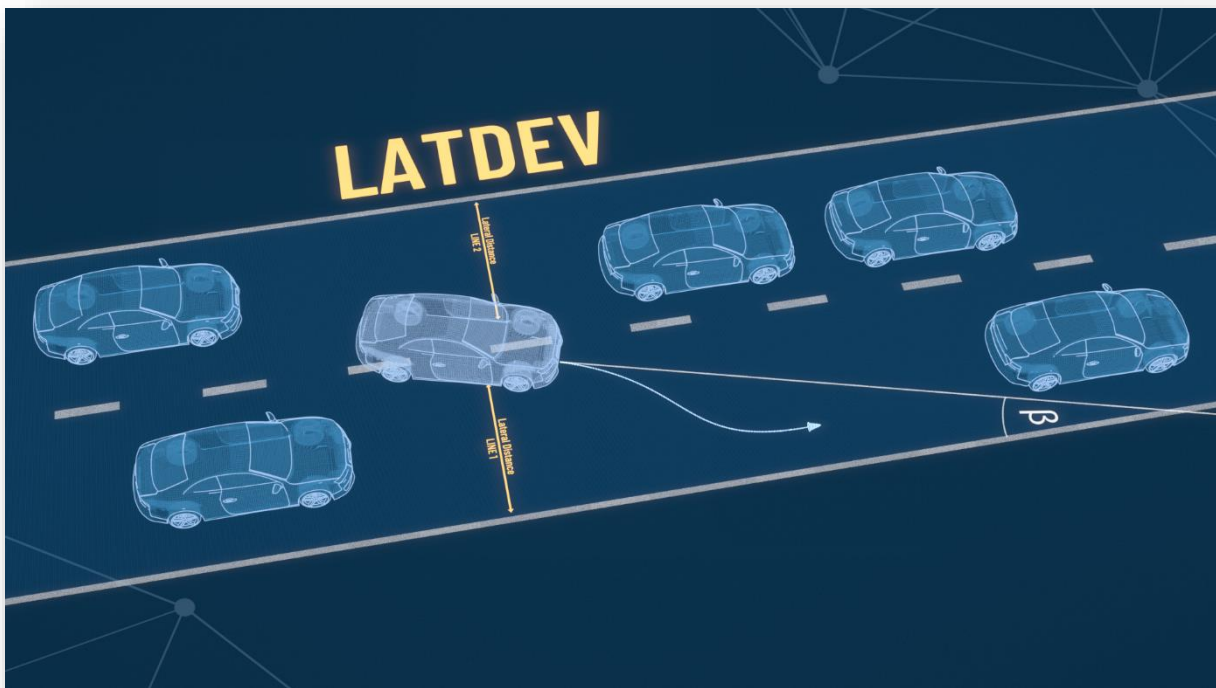
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1 LATDEV

FEATURE

The Add-On LATDEV is designed for testing and validating lane-keeping assist technologies (LDW/LSS systems). It calculates the distance to two predefined lines, a fixed object, the angle to the lines, and the lateral velocity & acceleration, relative to three user-defined POIs (Points of Interest) in real-time.



2 LIVE DATA

FEATURE

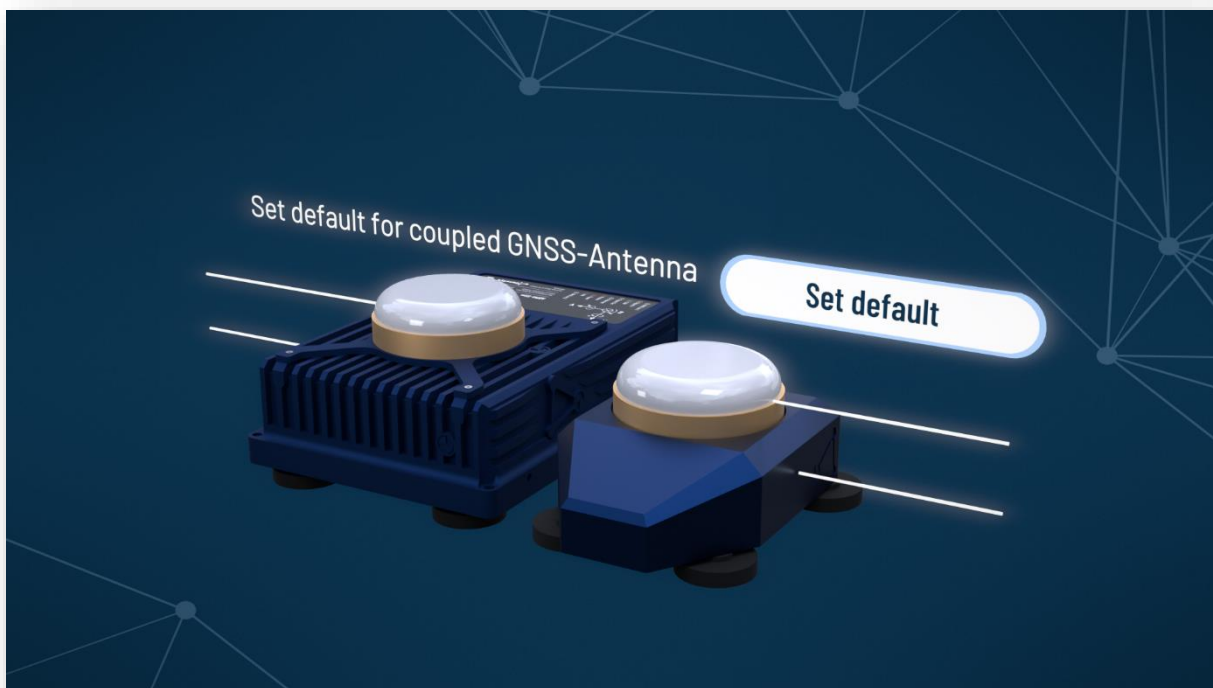
Our goal is to maximize the effectiveness and to keep the usage as simple as possible. That's why we changed the formerly behavior menu to **Live Data** in which you find important status parameters and data channels of the ADMA, like the GNSS Mode and Standard deviations for example. This makes it much easier, to check the overall system status without any further Software. For more detailed live analysis and data recording, we recommend using our new ADMA Data Logger, that gets released soon.



3 SET DEFAULT ANTENNA OFFSETS

FEATURE

Using the ADMA-Slim or ADMA-Speed it is possible to use the GNSS antenna either separated from the IMU or mounted directly on top of it. Now it is possible to (re)set the GNSS antenna offsets to the exact values, when mounted coupled.

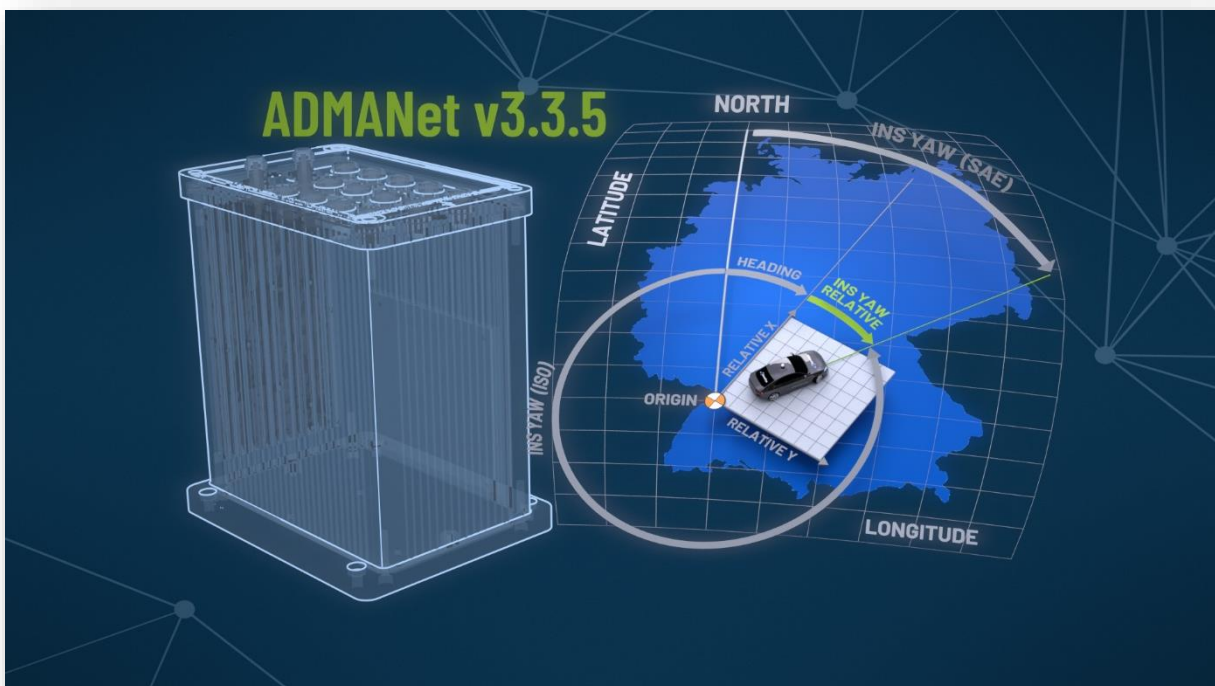


4 ADMA-NET DATA FORMAT 3.3.5

FEATURE

The ADMANet data stream gets enhanced with the following data channels:

- Standard deviation of the COG (Course over ground) (ADMA Micro only).
- Number of satellites in use with single frequency (non-Micro only).
- Number of satellites in use with multi frequency (non-Micro only).
- Number of satellites in use with multi frequency at secondary antenna (none-Micro only).
- Relative Yaw relating to the defined relative coordinate system.



The format version 3.3.5 is **downwards compatible** to all previous **3.3.x** format versions.

5 VRU-TARGET MODE

FEATURE

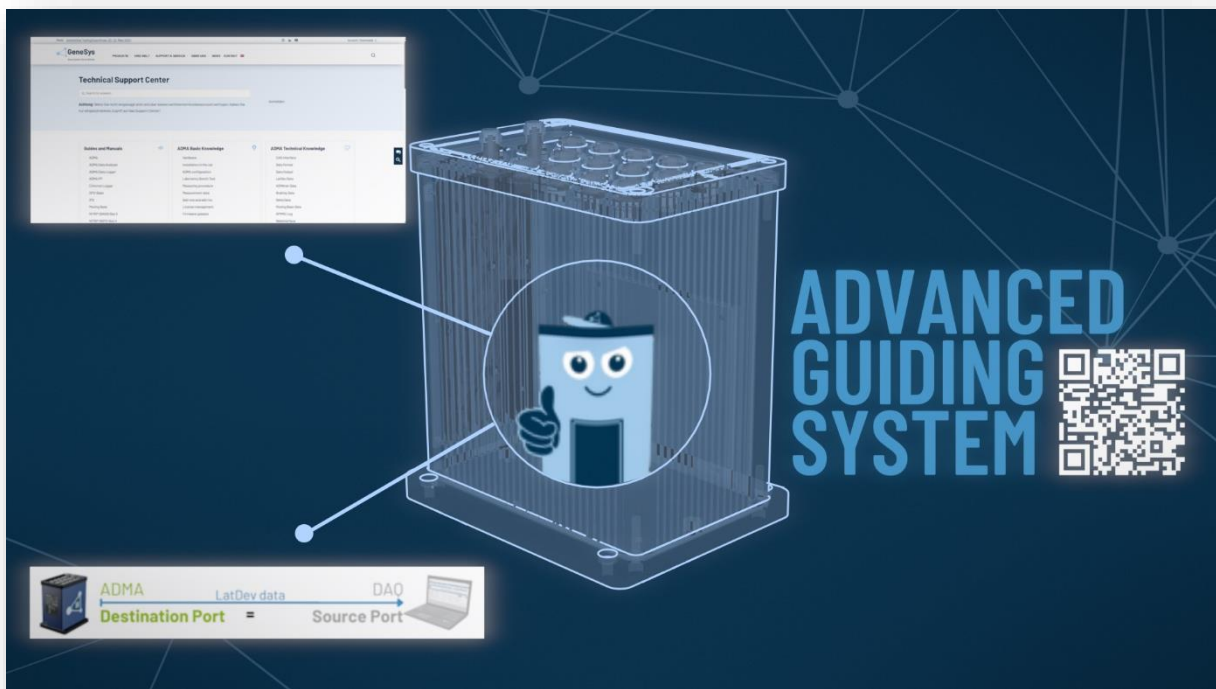
Our new System type ADMA-Micro is the most liked inertial System for integration into VRU-Target platforms. New VRU platforms on the market can rotate without any lateral or longitudinal movement. This information is very important for the Kalman filter. Therefore, we integrated the “application” VRU-Target at the System parameter menu.



6 ENHANCED GUIDING SYSTEM

FEATURE

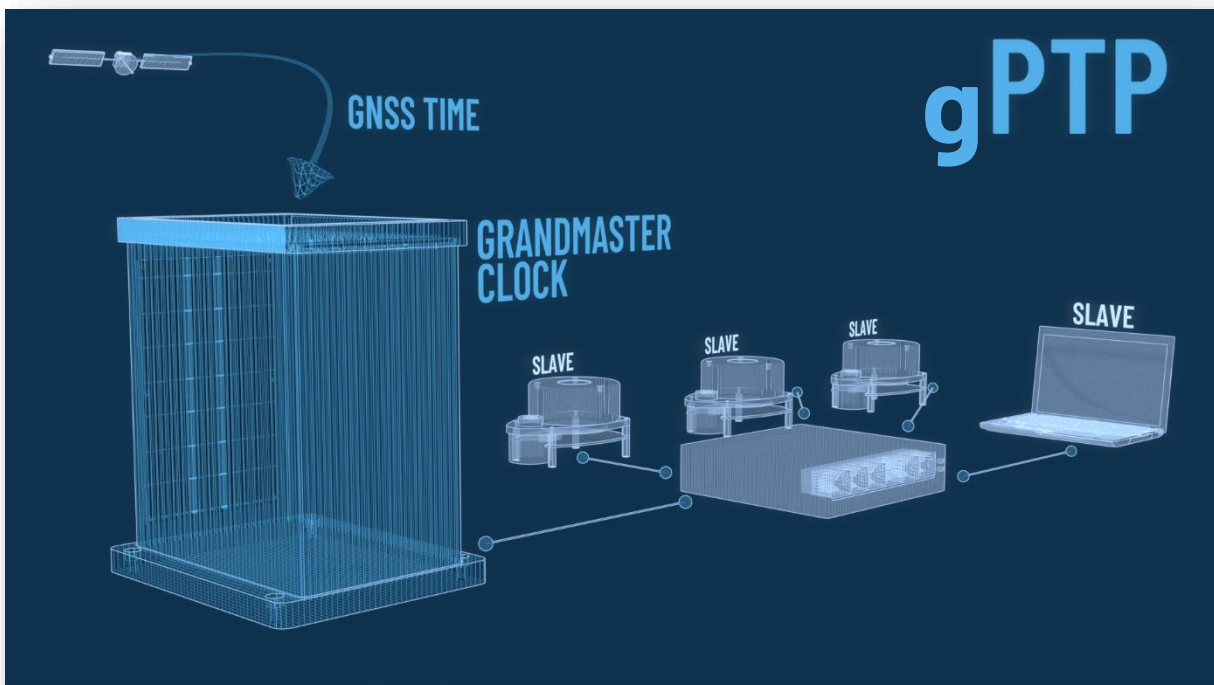
Our thought is, the more help you get online while measuring, the quicker and more accurate you will finish your scenarios. That's why we enhanced the ADMA web interface with completely reworked help texts, added a lot of supporting images and schematics and linked parameter descriptions to the relating articles in our online [Technical Support Center](#).



7 GPTP

FEATURE

Introducing the Add-On gPTP it is now possible to synchronize all network clients to the ADMA as Grandmaster clock via gPTP. With compatible gPTP switches, multiple devices can be seamlessly synchronized, ensuring optimal network performance and coordination.



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