



## STW Adds New Functionality to Telematics Suite

*STW, a pioneer in the development of telematics hardware modules, adds new functionality to their richly featured telematics suite for the Off Highway industry.*

**ATLANTA - Feb. 11, 2014 - [PRLog](#)** -- STW, a pioneer in the development of **telematics hardware modules**, has developed a richly featured set of software tools to augment their hardware and is rapidly adding more functionality to facilitate development of sophisticated information applications for the off-highway vehicle marketplace.

STW's **ESX-TC3 and ESX-TC3G telematics modules** offer robust, best-in-class electronic features for networking vehicles through cellular, wired and WiFi networks. The linux-based system provides the ideal platform for telematics application development. STW has developed a software toolset, the **Vehicle Data System (VDS)** that provides a rich set of libraries and out-of-the-box applications. More information on the off highway vehicle data system can be found at <http://www.stw-technic.com/products/teleservice/vehicle-data-system/>.

The **first release of the VDS** in 2013 included an application framework with the following key components, all of which are configurable or viewable through the web:

- CAN freestyle, J1939 and GPS 'readers' that provide a configurable means to read and interpret data from a vehicle or machine
- A library of pre-configured J1939 PGNs/SPNs
- A logger function that allows a user to create and configure logging and assign any of the variable from the readers to be logged
- A diagnostics web function that allows creation of a set of analog and digital gauges and LEDs that can be mapped to any of the reader variables for real-time viewing. Individual diagnostics set-ups, or 'projects', can be created and saved for different uses.
- A file upload and download capability for use with data logs and configuration files.
- Web configuration of all readers, the logger and the diagnostics page, as well as system set-up.

All of these components can be accessed programmatically or used as off-the-shelf product capabilities, depending on the needs of the customer.

The **next release of the VDS**, which will come in Q2 2014, will offer the following additional features:

- ISOBUS, NMEA and CANOpen readers as well as CAN freestyle masking
- Remote or local updates (flashloading) of STW controllers or telematics devices to facilitate continuous

innovation in vehicle technology and informatics

- Enhancements to real-time diagnostics to provide charting and other diagnostic tools
- A fully configurable event management system for the logger
- Web configuration of proprietary PGN/SPNs for J1939 readers

STW is working with leading OEMs in the off-highway marketplace to define and specify the next generation of telematics requirements both in hardware and software and expects the ESX-TC4, which should be prototyped in early 2015, to be a quantum leap in telematics technology. More information on **Telematics technology for the off highway industry** can be found at

<http://www.stw-technic.com/products/teleservice/>

STW will be at **CONExpo 2014, March 4th to 8th at booth 82812** to answer questions about their Telematics Suite as well as control and measurement solutions.

STW ([www.stw-technic.com](http://www.stw-technic.com)) is an award-winning provider of a full spectrum of freely programmable controllers, I/O modules, pressure sensors and telematics to a wide range of industries such as mining, construction, agriculture and oil and gas. STW controllers, I/O modules and Telematics units have attained a leading role in these industries due to their rigorous testing, high quality German engineering and unmatched flexibility. All of STW's products are mobile off-highway rated. STW ([www.stw-technic.com](http://www.stw-technic.com)) is also in the forefront of developing and prototyping hybrid drive technologies – generators and motors – for mobile applications.

### Media Contact

Dale Albee

[\\*\\*\\*@stw-technic.com](mailto:***@stw-technic.com)

7702421002

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