

PRESS RELEASE

Economical Fleet Utilisation through the Analysis of Vehicle Data

Advantech-DLoG and CANGO form a partnership

Advantech-DLoG, the leading international specialist in the development and manufacture of industrial PCs and in-vehicle computing solutions, is co-operating with CANGO, the manufacturer of CAN bus solutions and products for the capture of vehicle data. This collaboration enables Advantech-DLoG to integrate the innovative CAN bus technology CANGOclick into its fleet management solutions and thus retrieve vehicle information. What makes this solution so innovative is the way it reads CANbus signals and its simple installation as CANGOclick reads vehicle signals without making a wire to wire connection. This technology guarantees that no intrusive signals are sent to the vehicle CANbus or J1708 bus. This eliminates liability matters, warranty issues or wrong connections. By using this data, the current operating costs for trucks commercial vehicles and construction machines can be decreased considerably.

The way in which a vehicle is used has a considerable effect on costs. If a vehicle is constantly driven in a worn-down condition, the costs for maintenance and repairs increase. Therefore, it is important to know the vehicle's mileage, wear and tear, gasoline consumption, and the driving style of the driver in order to make an economical assessment of the vehicle's use, to uncover untapped potential and to avoid certain risks, such as vehicle breakdown.

"We look forward to the partnership with CANGO and the future collaboration in the area of vehicle data capture, which continues to increase in importance for fleet management", says Sayed Maudodi, product manager for fleet management at Advantech-DLoG. "In fleet management, costs are a significant factor in the competitive ability of transportation companies. The use of CAN bus technology can help such a company decrease the operating costs of its fleet. Crucial for the successful use of this technology, however, is the ability not only to capture the data but also to evaluate it correctly."

CAN bus technology: valuable data for cost reduction

By integrating CAN bus technology into its fleet management solutions, Advantech-DLoG relies on CANGOclick and CANGO CAN gateways. The system offers a unique feature whereby data is read without wire to wire connection from a twisted CAN cable of which a short section is untwisted and clamped. This enables very simple installation in which no physical wire to wire connection is required. There are a total of three interfaces available for further processing of the data. These gateways provide data in ASCII, a reliable and standardised form and also in FMS standard. Both interfaces take on different tasks: the J1708 centralises and codifies the data (in J1939 format), and provides protection from external damage. The FMS interface acts as a firewall to keep the data from the vehicle network from interfering with the outside world, filters the data and sends the proprietary vehicle signals in FMS standard.

The fleet manager receives information on fuel level and useful life via the CAN bus, as well as information on the routes covered. With the help of this data he is able to identify the average speed the vehicle is driven and check whether a reduction in speed would offer any potential savings. Furthermore, he can centrally monitor vehicle conditions, such as warning lights, mileage, etc., as well as identify upcoming service intervals and co-ordinate a prompt visit to the car repair shop when necessary. This way lengthy vehicle breakdowns or expensive repairs can easily be prevented. In addition, companies can carry out targeted training and driver training courses so that the driver can learn to drive in a manner that reduces fuel consumption and wear.

"CANGO has more than 20 years of experience in the area of signal measurement, and continues to develop its products so that they meet the latest requirements. We are the ideal partner for Advantech-DLoG in fleet management solutions, because we can adjust our solution precisely to meet the customer's needs." says Puiu Dumitru, CEO of CANGO.

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About DLoG UK

DLoG UK has been supplying software and hardware solutions since 1985 and strategically represents Advantech-DLoG in the UK. DLoG has a strong pedigree in helping companies to operate more efficiently and to maximise their return on investment. Our extensive range of touch screen terminals are used in warehousing, manufacturing and other areas where highly ruggedised devices are required. We work with software partners specialised in their field to deploy leading edge solutions for our customers.

About DLoG GmbH

DLoG GmbH, a member and IMC (International Mobile Computing) centre of excellence of the Advantech Group since 2010, was established in 1985 and has made a name for itself as a global player in the field of industrial PC and vehicle terminal solutions for extremely challenging environments - in construction machinery, forklifts, trucks, mining equipment and industrial production. The new brand name of Advantech-DLoG combines the experience and market leadership gained by both companies in the past with the objective of turning Advantech-DLoG into a leading global provider for selected vertical markets such as warehousing, heavy goods management and fleet management. Advantech-DLoG is the byword for cutting-edge sector innovation and a high level of quality. Within the framework of a comprehensive support, sales and marketing network, more than 3,600 employees are dedicated to providing swift time-to-market services for Advantech-DLoG's global customer base.

About CANGO

CANGO is specialised in the development of products and solutions for CANbus and vehicle data signals. The product portfolio of CANGO makes for a complete, competitive offer of solutions validated by successful implementations both on the internal and international market. CANGO provides innovative and integrated solutions for a different range of industries like logistics, transportation, construction or agricultural.

CANGO offers high performance implementation of CANbus protocols like J1939 and data networks based on J1708, ISObus and K-line.

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