# Smart data in the open countryside

Telematic data collection solution

Waldkirch, November 2017 – With the TDC (Telematic Data Collector) gateway system, SICK is presenting a system solution that enables sensor and system data from mobile and stationary systems to be collected. Together with localization data (GPS), the data can be transferred to a server or cloud via a 3G mobile communication protocol (MQTT) provided in the system. The data can be displayed, monitored, recorded, and analyzed in no time at all and from any location. As a result, users are able to respond in a strategic, economically appropriate manner and improve business performance. What’s more, evaluations can be carried out – based on the incoming data – in the TDC system, resulting in real-time outputs (responses) via I/Os or SMS messages (alarms).

The incoming and outgoing data can be used to optimize downstream processes, increase transparency, and therefore enhance productivity. With this in mind, SICK offers customer-specific cloud solutions (SaaS) as an option.

Not only does SICK use sensors to provide real-time data for ongoing function automation, it also provides access to smart data as a service for the detection of machine or vehicle conditions, for predictive maintenance and process organization and optimization. Integrating sensors and sensor systems into mobile machinery makes for intelligent solutions suited for daily use that meet customer expectations both in terms of an increased throughput and lower process costs.

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Systems from SICK’s TDC (Telematic Data Collector) product family enable sensor data from mobile and stationary systems to be collected.

SICK is one of the world’s leading producers of sensors and sensor solutions for industrial applications. The company, which was founded in 1946 by Dr Erwin Sick and has its headquarters in Waldkirch im Breisgau near Freiburg in Germany, is among the technology market leaders. With more than 50 subsidiaries and equity investments as well as many agencies, SICK has a presence all over the world. In the 2016 fiscal year, SICK had more than 8,000 employees worldwide and a group revenue of just under EUR 1.4 billion.
Additional information about SICK is available on the Internet at http://www.sick.com or by phone on +49 (0) 7681 202 4183.