ELTEC Elektronik focuses on sophisticated, custom tailored solutions for rough environments

The new website documents the company's vision to service primarily the transportation, mobile automation, industrial networking and medical technology market segments

Mainz, Mai 22, 2017 – Embedded specialist ELTEC Elektronik has realigned its product and technology strategy. The latest product portfolio focuses, in particular, on the stringent requirements of the transportation segment (railway, overland trucking, air freight and ocean vessels), industrial applications (Industry 4.0, IoT), mobile automation (agricultural implements and construction machinery) as well as medical applications (computer systems, image processing). The typical parameters for these applications are increased network linkage and powerful computers that have to work in rough environments. ELTEC's new product philosophy is now also reflected on its new website www.eltec.com.

ELTEC's business divisions – Network Solutions, Industrial Imaging as well as Embedded Boards and Systems – support its customers in everything from product specification and development to product verification and certification in compliance with market specific standards.

Wi-Fi in local and long-distance public transportation

Every day, innumerable passengers who use local and long-distance public transportation services simultaneously take advantage of Internet-based services: Hence, the hallmarks of the installed Wi-Fi systems are powerful performance and high levels of availability. This is evident in their daily deployment, even under the rough environmental conditions of mobile operations.

For instance, ELTEC offers wireless access points for Wi-Fi solutions on trains and buses, for passenger infotainment or for operating data sharing and storage via train-land connections. Even retrofitting programs, Wi-Fi access points provide a cost-effective alternative for the replacement of lacking cable connections – also beyond the train coupling – and support the establishment of a broadband, wireless backbone between the cars of trains.

The electronic components with expanded temperature ranges that are used in conjunction with these applications permanently withstand the extreme temperature fluctuations. Moreover, the components are particularly stress-resistant when it comes to shock, vibration and humidity. These products meet common industrial standard specifications and have been certified, e.g. EN 50155 compliant, by accredited test laboratories.

Robust systems for construction machinery and agricultural implements

Construction sites and agricultural applications impose extremely high standards as far as the robustness of electronic systems is concerned.

The computers and control systems used in these applications have to perform safely and maintenance-free at all times – even under extreme environmental conditions, such as exposure to shock and vibrations as well as changing weather conditions. The networking of operational process, efficiency increases and risk prevention are just some of the typical challenges the electronic systems have to cope with. ELTEC delivers robust computer, network and camera systems (up to IP69K) for these applications in compliance with the latest industry and EN standards.

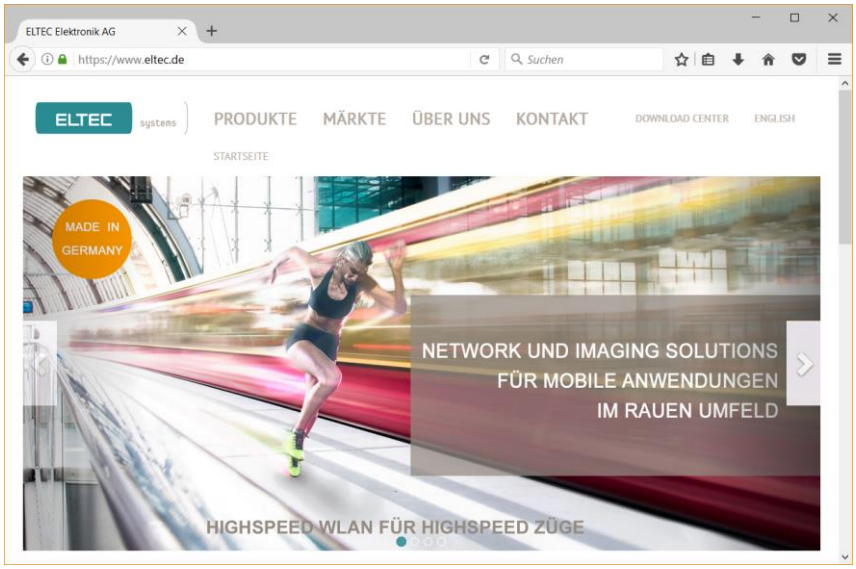
Networked solutions for Industry 4.0

The customization of the products, which meet the general requirements of highly efficient and flexible series production, is one of the defining factors of Industry 4.0. The essential technical requirements are made possible by the networking of the product resources, the use of state-of-the-art information and communications technology combined with self-diagnosis, self-configuration, self-optimization and intelligent support concepts. ELTEC provides powerful hardware and software for the networking of de-centralized control systems. The company offers high-capacity system solutions that ensure long-term availability and are used to control machines, to automate processes and to handle industrial imaging processes.

Control systems for use in medical devices

The deployment of computer-supported technologies in modern medicine is indispensable today. Modern computer technology supports physicians and patients in all areas. ELTEC develops and manufactures customer-tailored solutions for use in a diverse range of medical applications. Defined specifications management and development of accompanying documents assist with the subsequent certification and approval of medical devices. The long-term availability of all components used provides the foundation that ensures that the developed products deliver long lifecycles.

For more information, please visit the company's website www.eltec.com.



ELTEC Elektronik AG

ELTEC Elektronik AG is domiciled in Mainz, Germany. The enterprise offers networking and imaging solutions for mobile applications in rough environments – made in Germany. As one of Europe's technology drivers, ELTEC develops application-oriented system solutions based on innovative hardware and software for a broad spectrum of applications in the fields of transportation, mobile automation as well as industrial and medical applications. Its focus is on networking, communication, imaging, and automation technology. The comprehensive product portfolio includes wireless access points, media servers, data concentrators, displays, switches, intelligent cameras, image processing systems, frame grabbers, CPU/SoC boards, and industrial PCs. ELTEC develops and manufactures in compliance with CE and ISO 9000-certified quality standards and supports common industrial standards in the certification process.

CONTACT

ELTEC Elektronik AG
Daniela Höhn
Galileo-Galilei-Str. 11
55129 Mainz
Germany

Fon +49 6131 918 100
Fax +49 6131 918 195
Email dhoehn@eltec.de
www eltec.com

CONTACT AGENCY

MEXPERTS AG
Rolf Bach
Wildmoos 7
82266 Inning am Ammersee
Germany

Fon +49 8143 597 44 14
Fax +49 8143 597 44 49
Email rolf.bach@mexperts.de
www mexperts.com

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