Software Development and Software Solutions

softgate gmbh

Designer of Digital Transformation

Digital transformation is changing the world of work. Processes, communication channels, or production processes are optimized by software across all industries. Since 1992, softgate has been developing and designing in the following business areas industry, medical technology and information management as well as automotive technology with currently 90 qualified employees. We take your requirements and expectations into account and implement the optimal solution for your company. We provide comprehensive and competent advice, training, support, and quality assurance in all areas.

With the orientation to current standards and promising technologies, we guarantee the long-term, high-performance, and user-friendly use of our software developments and products.

This is confirmed by our ISO 9001 and ISO 13485 certified quality management system.

The expansion of partnerships with companies placed accordingly in terms of technology and sales is a further component that contributes to rounding off the portfolio and to the development of the company.

Industry

Industry 4.0, Big Data, Internet of Things. The buzzwords for networked, intelligent industry are diverse. A central solution approach is predictive maintenance for machines – preventive maintenance. With this, optimal, real load-related maintenance cycles can be determined and thus unplanned downtimes can be avoided.

With SOMA, softgate offers a solution for recording, analyzing, and visualizing the various machine data. The modular software enables a detailed evaluation and interpretation of the machine status based on the data streams. In addition, this solution can also be used in other fields, such as energy monitoring.

Users have all the information at their fingertips and can adjust to scheduled maintenance breaks in their machines as well as compensate for peaks in energy consumption.
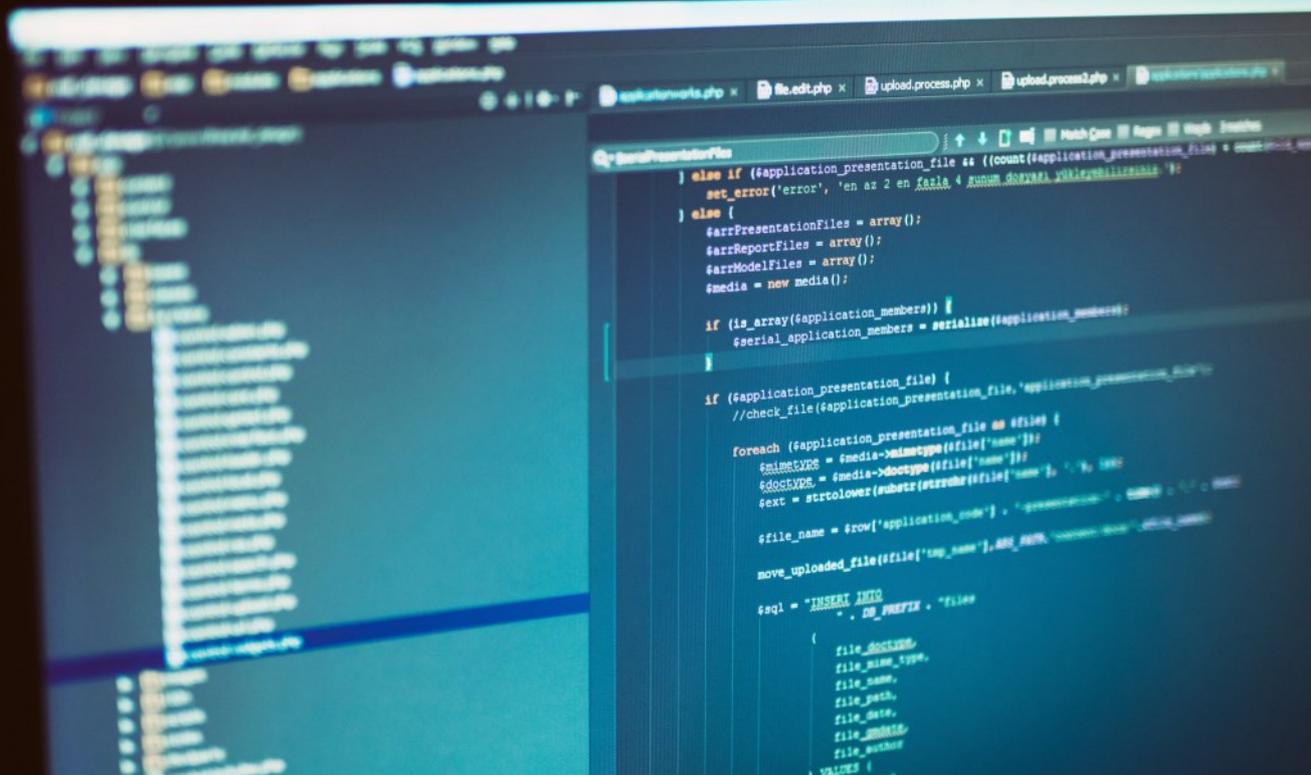
Automotive Technology

The networking and development of complex software systems in automobiles create a completely new driving experience. Communication within the vehicle is an elementary component. The networked systems depend on sensors and other data sources.

Countless data flows through the car every millisecond. softgate has developed a high-performance bus system protocol based on CAN for fast communication. In addition to individual software development, softgate offers the design and implementation of a test concept that meets the normative requirements.

The protocol allows several data to be transported through the car in parallel via a bus. This reduces the number of physical lines. The test concepts support the work at different test levels.

Information Management

Digital business processes affect every company. The communication channels of these processes are manifold. The information must be recorded in a structured manner and made available to the users.

softgate offers all services for information acquisition from a single source. Together with strong international partners, softgate has an innovative and unique combination of solutions for the capture and digital management of information. This ranges from simple document digitization to complex business process management, or robotic process automation solutions.

Thanks to digitization, all information is available in a matter of seconds and accelerates both processing and decision-making.

Medical Technology

Software has fundamentally changed medical technology. Many applications, such as computed tomography, have only become possible through new technologies.

Since its foundation, softgate has been active in medical imaging technology and hardware-related control development. The portfolio ranges from connectivity of medical systems, e.g. DICOM, HL7, GDT or IHE, to control development for heavy-duty robots in the immediate vicinity of patients for diagnostic and therapeutic processes.

The optimized image files and patient information available in all relevant places (e.g. devices, HIS) facilitate and accelerate the treatment process. Safety-critical control programming offers a high degree of reliability and functionality.

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