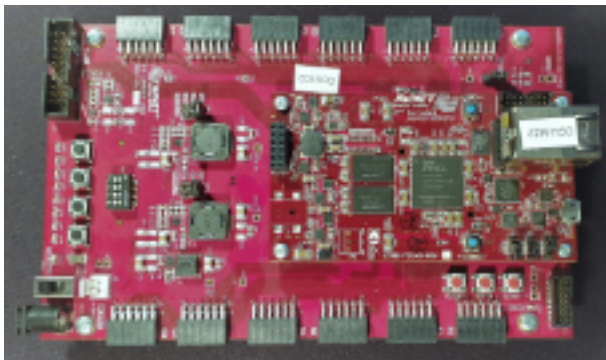


Our Service

SYSTEM-BASED SOFTWARE

By system-based software, we mean software components that work closely with the operating system or the underlying hardware. This category includes, for example, drivers or system services that are required to control specialised hardware or to support proprietary communication protocols, but also the complete adaptation of operating systems to a target platform.



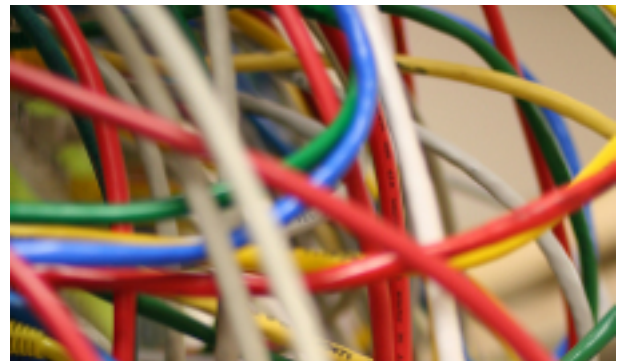
Adaptation of operating systems

FORTEch Software has many years of experience in the integration of customised hardware solutions in desktop operating systems and embedded systems (Linux, Windows Embedded Compact, various RTOS). The solutions developed range from the connection of fast parallel hardware interfaces via network operators and USB connections of external devices to the synchronised transmission of parallel video streams via Firewire and GigE.

Handling bus systems commonly used in the process environment, such as Modbus and CAN, or the serial interfaces used within devices, such as I²C and SPI, is part of our established repertoire.

Remote Software Management

We have gained particular experience in dealing with software updates in complex scenarios. Modern devices often contain several active elements (CPUs, FPGAs) with independently developed programme code and a large number of persistent memories. When updating individual components or after replacing spare parts, a large number of dependencies must therefore be taken into account in order to ensure a safe system restart even after a temporary power failure during the maintenance process.



Safety and security

Our solutions use modern cryptographic methods to ensure system integrity and to authenticate users and connected devices. Network connections are encrypted if required. Our ISO 9001-certified processes, together with the consistent use of unit tests, guarantee fulfilment of the requirements for the development of security-critical applications. In typical projects, we work according to our customers' processes.