development

- ✓ certified according to ISO 9001, ISO 14001 and ISO 13485
- ✓ development medical device to MDR
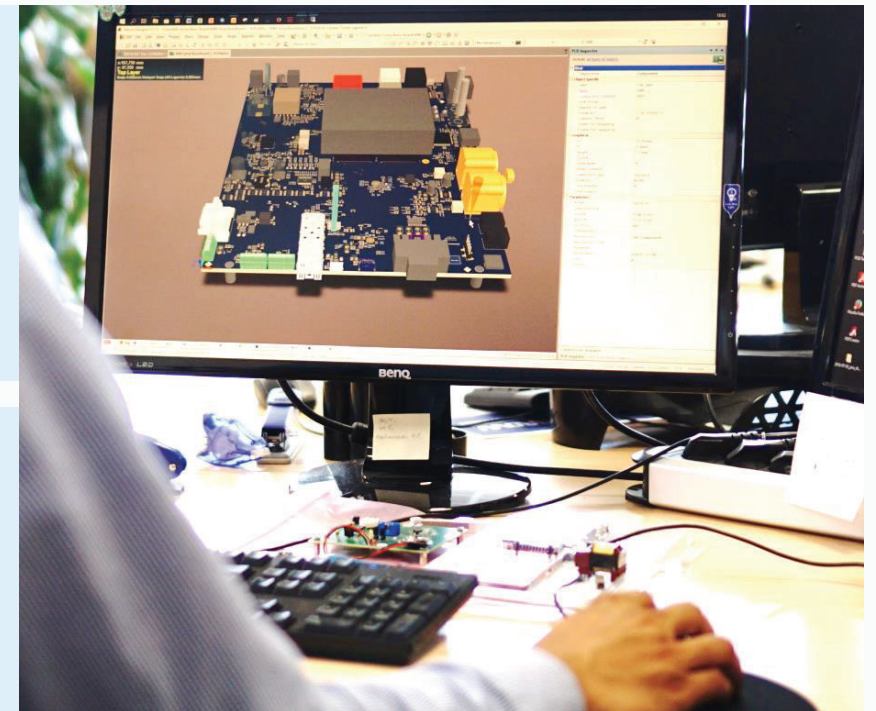
- ✓ design of analog and digital interfaces
- ✓ participation in research projects

hardware and software development

- analog and digital circuit technology, power electronics, FPGA designs, controller and processor systems, sensor connections, interfaces
- development / application of special IP cores for XILINX FPGA, development planning and other medical products (AoIP / Ethernet)
- software development including DIN EN 62304 (medical device standard)
- creation of firmware for a variety of controller families
- development of individual user interfaces

circuit board design / mechanical construction

- layouts from 2-layers to multi-layers, HDI layouts (high-density interconnect), EMC-compliant design, metal core layouts, impedance-controlled circuit boards
- individual housing solutions (plastic / metal)
- design of individual packaging

development

testing and consulting services
- development-accompanying EMC measurements and evaluations
- supervised burn-in and long-term testing of prototypes
- supervision certification of the developed and to be manufactured products
- guidelines, analysis of standards, test plans / approvals also with external laboratories

prototyping and small series production
- of electronic components and complete devices
- mechanical production of housing samples, devices, gauges, etc.
- construction of test equipment
- preparation and support for series production / dtc (design-to-cost) dtm (design-to-manufacture)

certification of medical devices
- advice on standards and legal regulations
- creation of test plans
- from risk management to certification
- accompanying the certification process of medical devices at the notified body