

With Zühlke, you will get both hardware and software solutions from one source. Our interdisciplinary teams develop tailored solutions following your ideas – for your business.

Consulting Development Integration

Embedded Systems



Further services:

- Evaluations, assessments, software architecture and project reviews
- Requirement engineering, testing, usability
- Security for embedded systems

Product Innovation

- Concept, design and layout of new products
- Reengineering
- Optimisation of manufacturing costs
- EMV tests and security aspects

Technology and Infrastructure

- OOA/OOD with UML and LabVIEW®
- Software development process following RUP
- Programming languages: C, C++, Lab-VIEW®, embedded Java, C#, Assembler
- Operating systems: Windows CE, XP Embedded, Linux (RTAI), VxWorks, ThreadX, a.o.
- Tools: I-Logix Telelogic Rhapsody, IBM Rational Rose und Rose RT, MATLAB & Simulink, Real-Time Workshop (RTW)
- Infrastructure: Electronic-, optical and EMV test laboratories
- Modular platform for cost effective and rapid hardware development

For you, every second counts

You develop hardware and software for devices, machines or installations which must guarantee predefined reaction times to external events. The development of an optimal solution requires substantial knowledge of the interaction of hardware, operating systems, code-generating design tools, process methodology, and programming language. Zühlke has years of experience with the development of complex embedded and real-time applications. We attach great value to a complete solution. From hardware layout or reengineering, 8-bit micro controller applications without operating system, to the development of 32-bit real-time applications with object-oriented technology and code generators (UML or Simulink /Real-Time Workshop RTW), you will get everything from one source.

Software solutions

Individual Development:
Customised, ready-to-use solutions or local development support

Know-how Transfer:

Training, e.g. coaching your team during the implementation of iterative software development methods and/or code generated design tools. Your team gains knowledge which will be used immediately whilst working on the project.

Project Examples

- Development of a digital photo finishing machine using code generating design tools
- Project specific evaluation of operating system taking commercial and technical aspects into account
- Introduction of object oriented technology through formal education and coaching of a development team during a pilot project

We are delighted to support your embedded solutions – in real time! Please contact us.



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