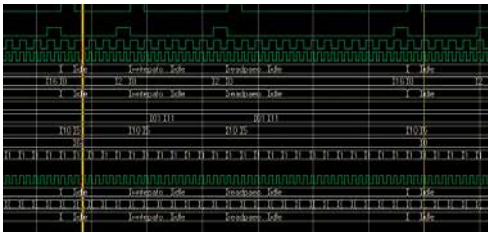


What once required several components can now be integrated as system-on-chip on a single FPGA. Zühlke assists you in implementing complex systems involving data processing for your specific application as well as flexible interfaces and complete microprocessors on FPGA devices.



Consulting **Development** Integration

FPGA – flexibility for modern hardware

FPGA technology

Field Programmable Gate Arrays (FPGA) offer wide-ranging possibilities for rapid prototyping and signal processing involving extensive computing operations.

Rapid prototyping

FPGAs are attractive platforms for the fast development of complex digital circuits. Functionality can be efficiently tested in hardware with real interfaces, allowing comprehensive verification and short design cycles. Using FPGAs, our specialists can develop flexible systems and expand hardware designs on a modular basis.

Complex systems/parallel signal processing

Complete systems can be implemented on a single FPGA using high-performance design tools. For customers, this approach reduces the complexity, size, and cost of the board design. FPGAs open the way to genuinely parallel hardware and full real time capability. High-performance modules provide the kind of enormous computing power

required by modern data and image processing systems. Specific technical knowledge is needed to carry out dedicated tasks with complex algorithms, embedded processors and intellectual property components (IP).

Our key areas of expertise

- Universal FPGA design flow
- Model-based design
- Design of complete electronic boards
- Review of FPGA designs
- Consulting and coaching of developers

Key applications

- Complex signal processing
- Soft DSP applications
- Control technology
- Applications with high security level

More than just FPGA

Zühlke is an interdisciplinary firm that combines its FPGA expertise with know-how from other fields like electronics, embedded software or sensors. We are the on-stop-shop for your development.

Your benefits

- Structured approach and expertise covering everything from system architecture to the implementation and testing of your complex application.
- The standardised Zühlke process for FPGA development opens the way to efficient development and effective risk management.
- You receive the design data and thus the expertise incorporated in your development project.

You can benefit from our years of experience in the design and implementation of FPGA designs.



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