



Your one-stop shop for design solutions - Scope of Services

- FPGA & ASIC Design
- End-to-End Design Assistance -- Specification to Silicon Validation
- System-On-Chip Solutions
- Board Design Services
- Consulting Services

Vai Logic, a division of Vai technology, specializes in ASIC, FPGA and System Design.

We provide stand-alone design solutions - FPGA, ASIC & Board Design Services

We will deliver a specification, an FPGA, an ASIC netlist ready for fab, a board design, or anything in between, whatever your needs may be: specification, implementation, verification, synthesis, timing, place & route, silicon validation and product integration.

Our expertise in architecture, intellectual property, methodology and tool handling provides a complete design environment that helps customers shorten their design cycle and speed time to market.

We supplement your team - Design Consulting

Our expertise in every phase of the design process is available to fill in where you need it most. Vai Logic offers:

Independent Project Management

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|---------------------------------------|--------------------------------|
| Cost Management | Feasibility Study |
| Scope Management | IP Selection, Design and Reuse |
| Team Management | Methodology Issues |
| Schedule Management | Design Review |
| Vendor/Client Interface | Performance Improvement |
| Technical Viability and Risk Analysis | Foundry Selection |
| Schedule Risks | Design Migration |
| Development Team Capability Analysis | Production Ramp-up |
| Concept analysis | Obsolete Parts Replacement |

Customer Advantages

Vai Logic offers one-stop shopping for everything from the specifications to the chip, module or board solution. Our experience and fast turnaround time reduces your development costs and increases your returns from the market. Your system is not limited by the level of expertise and standard chip solutions you happen to have in-house. Achieve market success by differentiating and optimizing your product. Reusability builds the basis for further developments in the ever-decreasing product life cycle.

Expertise

Electrical Circuit Design

- System Architecture
- Analog/Digital
- RF
- PCB Layout
- Parts Selection
- HW Validation
- Manufacturing Support

Embedded Software Design

- Requirements Analysis
- MCU/DSP
- Operating Systems
- Algorithm Development
- Drivers
- SW Test Plan
- SW Validation

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