



## Fidus – an excellent choice

At Fidus Systems, we understand the unique challenges faced by technology companies – too many projects and too few engineering resources. With top engineering talent, multiple design centers and on-site staffing options, Fidus provides highly responsive engineering teams that are an extension of your development team to successfully bring products to market faster.

Recognized as a trusted design partner, Fidus is dedicated to meeting customer expectations, and developing long-term relationships with clients built on integrity, quality and open communications.

Fidus is pleased to provide customers with full end-to-end development solutions or more selective targeted engagements.

Fidus has delivered more than 1500 projects for 300+ clients, from Tier-1 multinationals to SMEs to start-ups. Fidus is headquartered in Ottawa, Canada with local design centers in Kitchener-Waterloo and San Jose.

## How we help

Do you want to: Increase your **revenue**? Reduce your **costs**?  
Increase your **speed** and **flexibility**? Focus on your **core competency**?  
Consider Fidus for electronic product development and consulting services.

Fidus delivers on a broad range of hardware needs, ranging from simple, cost effective interface boards through to complex, high performance, high reliability embedded systems. Fidus' designers offer an impressive breadth of knowledge paired with hands-on experience.

Our hardware design team's skills are readily complemented by Fidus' PCB Layout, Signal Integrity, FPGA/DSP, Embedded Software, and Mechanical design expertise.

## Design expertise

- Entire design cycle from system architecture to low-level design
- Complex designs combining analog, digital, RF, power
- 32Gbps+ designs built with robust signal integrity strategies
- FPGAs (CPLD, SoC, MPSoC, RFSoc), DSPs, microprocessors, discrete designs
- Low-power/battery applications, power sequencing
- High current, high voltage isolation from low voltage logic
- Embedded system design and development
- Simulation, optimization, and verification
- Timing budget calculations and analysis
- Component obsolescence and cost reduction analysis
- EMI, EMC, ESD, RoHS compliance
- Regulatory approval identification and design strategies

## Tools for high-end development

- **Design and Simulation:** Cadence®, Mentor Graphics®, Altium®, Agilent ADS, ANSYS HFSS™, MATLAB® and Simulink®, LTSPICE®
- **Verification:** Network Analyzers, Vector Signal Generator, Signal Analyzer, RF Signal Generators, Spectrum Analyzers, Electronic Loads, Four-channel high-speed oscilloscopes, Thermal Chamber, Logic Analyzer, Soldering Stations, Programming Pods, etc.



ALLIANCE PROGRAM  
PREMIER MEMBER



## Bringing you Xilinx premier

As Xilinx Premier, Fidus receives exclusive training, certification, and early-access to tools, IP, and new silicon. By invitation, Fidus was *the* inaugural Xilinx Premier Design Services member in North America. So what does this mean? It means that when you hire Fidus, you know that Fidus is on the forefront of Xilinx's roadmap, experienced in the most advanced tool flows, and is top of mind within the Xilinx support network.

## Examples of our work



## About Fidus

Fidus Systems, founded in 2001, specializes in leading-edge electronic product development with offices in Ottawa and Waterloo Ontario, and San Jose, California. Our hardware, software, FPGA and signal integrity teams architect, design and deliver next-generation products for clients in emerging technology markets. We build long-term relationships by consistently exceeding expectations.

Ottawa • Waterloo • San Jose

fidus.com



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