

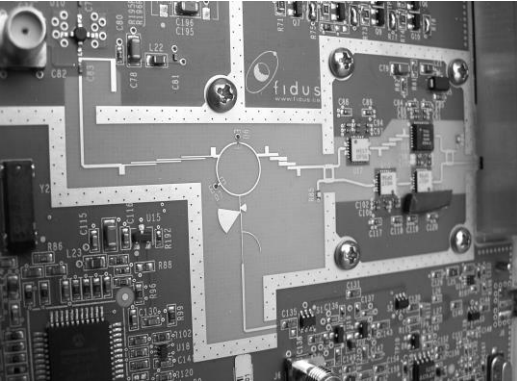
## how we Help

Do you want to: Increase your **revenue**? Reduce your **costs**?  
Increase your **speed** and **flexibility**? Focus on your **core competency**?

We all do. So consider Fidus for electronic product development and consulting services.

Fidus' wireless/RF designers draw on their diverse backgrounds, and rely on the best high frequency design tools available, to help you achieve your goals. Fidus not only provides the expertise, but you also get to leverage our capital investment in RF tools and equipment.

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



### 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 2000 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.

## design Expertise

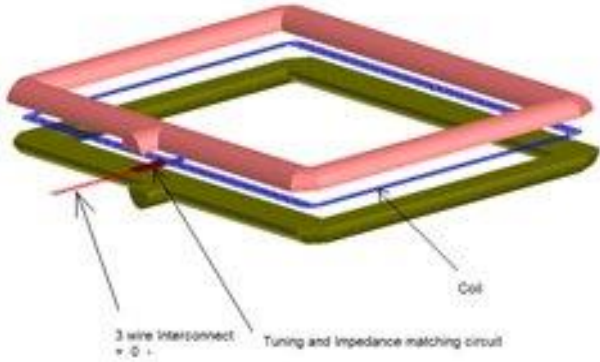
- **Antennas (printed/ceramic/discrete):** Wi-Fi/WLAN (802.11), Bluetooth®, GPS, HDTV (UHF/VHF), mmWave, RFID, ZigBee®, Power Meters, and many others...
- **Analog, discrete design:** Filters, couplers, detectors, passive equalizers, switches, mixers, etc...
- **Direct conversion:** direct up/down conversion utilizing high-speed ADCs and DACs
- **Modulators, demodulators:** FSK, GMSK, QAM/QPSK, OFDM, CDMA
- **Power amplifiers:** High linearity, high efficiency, tight spectral mask amplifiers using GaAs, LDMOS, and GaN devices; in Class A, AB, and C operation
- **Receivers:** High sensitivity, large dynamic range AGC loops, low noise high-linearity LNAs, clock and carrier recovery, adaptive equalizers
- **References:** Low phase noise PLLs/Synthesizers, DDS sources, OCXO/TCXO/VCXO, low jitter sources, clock cleaners
- **Specific Absorption Rate (SAR) Computation:** RFID, cell phones
- **Optical:** Transceiver design up to 28Gbps

## tools for High-end development

- **Wireless/RF design tools:** Agilent ADS, ANSYS HFSS™, Cadence®, HSPICE®, MATLAB® and Simulink®, Mentor Graphics®
- **RF Laboratory Equipment:** Agilent Network Analyzer, Agilent Vector RF/Signal Generator, Agilent PXA Signal Analyzer, Agilent Digital Signal Analyzer, HP Signal Generators, Electronic Loads, Spectrum Analyzers, Multi-channel high-speed oscilloscopes to 40 GS/s
- **Miscellaneous:** AIS Test Generators and COTS Transponders and Receivers



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.

### Locations

#### Ottawa Design Center and Headquarters

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Ottawa, ON K2H 1E6 Canada  
Tel: +1(613) 595-0507  
Fax: +1(613) 595-1811

#### Kitchener-Waterloo design center

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Waterloo, ON N2J 1P8 Canada  
Tel: +1(519) 576-0060

#### San Jose design center

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### Examples of our work

