

Microlynx Systems Ltd

Our mission is to help our clients develop novel and innovative electronic systems that meet their functional and quality requirements. We work as hard on our client's projects as would their own employees.

Our goal is to be recognized as a leading provider of electronics engineering services in Canada.

Key Statistics

In business since: 1984

Ownership: Privately held, 100% Canadian

Staff: 14, including 6 engineers

Location: Calgary, Alberta

Registrations: Controlled Goods
APEGA (Prof Eng Assoc of AB)

High Canadian Content Value!

Services Offered

Electronics Design Services

- Specification, architecture, test plans, schematic, PCB layout, firmware, VHDL; RF, analog digital

Obsolescence Management

Production Test Fixtures

- Fixture design, interface boards, test software

Low-Volume Manufacturing

Some Sample Projects

Our projects typically involve some type of challenging design element:

- Operating in hazardous or challenging environments
- Extreme low power operation
- Customized RF requirements

“Vanilla” is not our favourite flavour!

AFIRS 220

- Interface to aircraft data buses with real-time transmission of summary data
- Voice comms over Iridium, flight follow information using GPS data
- Software: custom 'rules-based' OS
- Scope: H/W, F/W, FPGA, VHDL, S/W
- Initial production run
- <http://flyht.com/products/afirs-220>

Pipeline Inspection Tool

- Real-time recording of high volumes of parallel data streams
- Size constrained
- Harsh shock / vibration environment
- Scope: H/W, F/W, FPGA, VHDL, S/W
- Co-developed detection algorithms with client
- <http://www.onstream-pipeline.com/>

Laser Hazardous Gas Detector

- Replacement for existing product
- Ultra stable, low distortion RF current source for laser driver
- Multi-loop thermoelectric control to keep laser temperature to within 5mK over -40 to +50C ambient

Wireless Seismic Data Comms System

- Ultra rugged (designed to be dropped from a helicopter)
- Proprietary VHF radio operating in a licensed band (wide band data covering large area, non-line-of-sight)
- Ultra-stable time synch to correlate seismic data recorded by multiple receivers
- Extended temperature operation
- Scope: H/W, low-level F/W



Microlynx Systems Ltd
Professional Electronics Design

Conclusion

Call us now to discuss your project.

Contacts:

- Ken Mouratidis
- Bill Durtler

More information is available on our website:

<http://www.microlynxsystems.com/>