

Microlynx Systems Ltd (Microlynx) is one of Western Canada's leading contract electronics design companies. Our focus is on high performance systems for challenging environments, incorporating digital, analog and RF technologies.

Quick Facts

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| In business since: | 1984 |
| Ownership: | Privately held, 100% Canadian |
| Staff: | 14, including 6 engineers |
| Location: | Calgary, Alberta |
| Other: | Controlled Goods Registered |

Capabilities

Microlynx has the capabilities and experience to undertake a wide range of challenging projects. Some of our capabilities include:

- Requirements definition, system analysis, and architecture
- Digital System Design: microprocessor hardware and firmware (ARM and DSP cores); FPGA and CPLD design (Altera and Xilinx devices, using VHDL); DSP hardware and firmware
- RF and Microwave (HF – 6 GHz), and Analog (audio, video, sensors, signal processing, A/D and D/A conversion)
- Control Systems (digital, analog) and Power Supply (switch-mode and linear, DC-DC and AC-DC)
- Low-power / micro-power designs battery-operated systems
- RFID, AES, JPEG / MPEG, encryption, WiMAX, custom protocols
- Design for challenging / hazardous environments
- Windows-based application software
- Obsolescence management (part substitutions, board re-design); RoHS compliance (BOM review, alternate parts)
- Test jig design and manufacture

(continued...)



Opportunities

IRB Offsets

As a 100% Canadian company, we qualify for IRB Offset credits.

- Complete electronics design services
- Low volume assembly and test
- Production support with bed-of-nails test fixtures and software

eFence Alarm System

We are nearing completion of our eFence alarm system. eFence uses a patented method of detecting intrusions on long runs of fence using low-cost cable. Our prototype system has been running for over a year on a local site in Calgary.

eFence can be used in many applications, either as a standalone protection system or in addition to video or other protection systems.

- Critical Infrastructure: eFence is ideally suited for monitoring long runs of fence that surround critical infrastructure such as power plants, water purification or treatment plants, refineries, and airports.
- Remote infrastructure: eFence is a low-power system so it can be used at remote sites such as electrical substations, oil and gas pipeline pumping stations, and cellular or radio towers.
- Temporary installations: because eFence uses inexpensive cable and it is fast and easy to install, it can be used to protect temporary locations such as construction storage sites.
- Military sites: eFence can provide perimeter protection around military camps, logistics sites, and bases.

We are looking for companies that would be interested in this technology:

- Act as distributors or system integrators
- Technology licensing
- Application of the technology to your custom requirements

Contacts

For more information, please visit www.microlynxsystems.com or contact Ken Mouratidis or Bill Durtler at (403) 275-7346.

We look forward to hearing from you!