IMF Instrumentation & Model Facility

Electronics Services

**Circuit Design**
- Analog, digital, and embedded systems
- Schematic entry and simulation
- Functional prototypes

**Printed Circuit Boards**
- Artwork layout design
- Surface mount and through-hole capability
- Small production-run assembly and testing

**Wireless Sensors and Communication**
- ZigBee motes
- XBee 802.15.4 modems
- Low-power sensors
- Wireless spectrum analysis

**Software and Firmware Development**
- PIC, Basic Stamp, Arduino, and other microcontrollers
- Assembly, Visual Basic, C, and common programming languages
- National Instrument Labview front end and interface design, programming, and fabrication

Serving Academic Research & Commercial Enterprises

For over forty years, IMF has collaborated with researchers at UVM and other universities, hospitals, and government organizations, as well as innovators at commercial enterprises in science, technology, research, manufacturing, engineering, and product development. IMF staff can either take your ideas and basic requirements and turn them into a prototype or fabricate a part or device from your detailed specifications and drawings. We also rapidly and cost effectively assemble products that interface with your systems or are modules within your total design.

IMF provides initial consultation at no cost, introductory rates for new customers, and quotations for work if requested. We actively work with clients to develop solutions that you seek, on time and on budget.

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