



NEWS RELEASE

## **OSENSA Develops 125°C all Polymer Fiber Optic Temperature Sensor for Switch Gear Applications**

**Coquitlam, British Columbia, October 24, 2011 – OSENSA Innovations Corp. (“OSENSA”)** announces that it has developed a low-cost all-polymer optical fiber temperature sensor capable of continuous switch gear temperature monitoring from -50°C to +125°C. Plastic optical fiber sensors offer significant advantages over glass fiber optics, including the ability to withstand large pull, crush, bending, and vibration forces. Customers no longer need to worry about whether they might break the fiber optic probe. Polymer optical fiber can be handled in a similar fashion as traditional copper wires, without fear of damage.

Until recently, the highest continuous operating temperatures permissible with plastic optical fiber were 105°C. Now, OSENSA engineers have employed optically transmitting high-temperature polymer materials to produce temperature sensor probes that can operate continuously at 125°C and accommodate intermittent exposure (more than 1000 hours) at temperatures up to 150°C. “This is a significant step toward achieving OSENSA’s goal of reaching 200°C continuous operation with polymer optical fiber,” comments Daryl James, President. “High temperature polymer optical fibers will enable low-cost sensing in a wide variety of applications, and OSENSA is pleased to be leading the world in commercializing this technology.”

### **About OSENSA ([www.osensa.com](http://www.osensa.com))**

OSENSA Innovations Corp. develops and manufactures cost-effective fiber optic temperature sensors for industrial applications including high voltage power transmission and distribution, semiconductor processing, microwave, process control, and laboratory testing. OSENSA is a privately held company with a strong emphasis on research and development and the commercialization of innovative technologies that improve quality of life while protecting the environment. OSENSA’s fiber optic temperature sensors monitor high-voltage equipment, permitting optimum transmission efficiencies which reduces waste energy and extends equipment life.

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