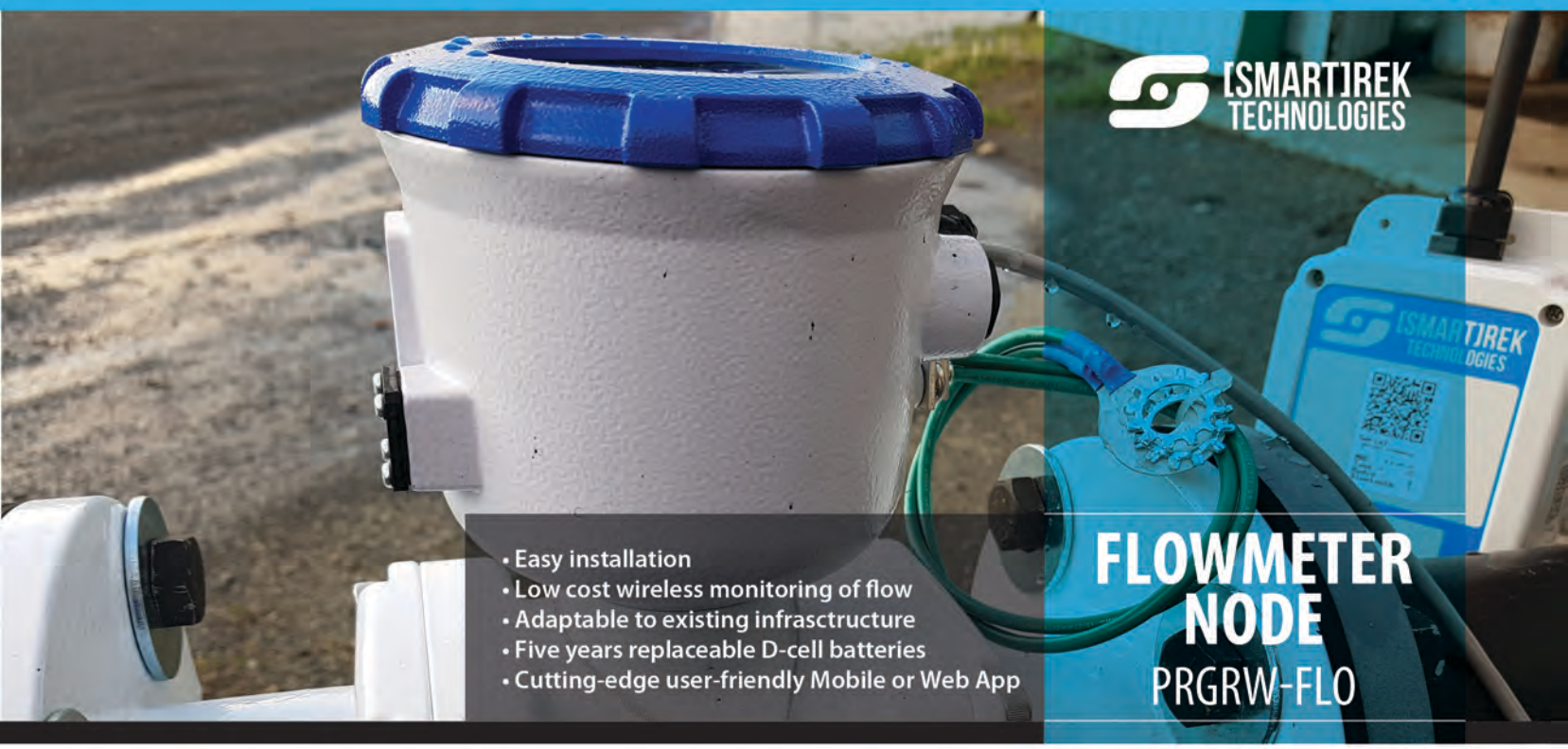

Features

- Connects to any flowmeter with passive pulse output
- Measures flow and total volume
- Compatible with any type of flowmeter

Applications

- General industrial process control
- Factory automation/industrial equipment
- Power and utilities
- Water and Wastewater

The **PRGRW-FLO** sensor is a low cost wireless monitoring node add-on that can connect to any flowmeter that can provide a passive pulse output with signal conditioning. It is compatible with virtually any type of flowmeters and measures both flow and total volume. The flowmeter node operates on batteries and can be combined with a battery-operated flowmeter for a complete wireless solution.

The sensor node is suitable for various applications and will perform best for the monitoring of flow where power is not readily available, such as in remote areas or on temporary work sites.

Specifications		
Compatible flowmeter type		Any
Input requirement		1 Hz < F_{osc} < 100 kHz
Operating temp.	°C	-25 ... +55
Storage temp.	°C	-40 ... +55
Wireless technology		Spidermesh
Battery life		Up to 5 years on 3x D-cell primary batteries

CREATING A SMARTER CONNECTED WORLD

[SMARTREK TECHNOLOGIES

WIRELESS TECHNOLOGY OVERVIEW

THE TECHNOLOGY

Smartrek delivers a powerful, modular, easy to program sensor platform for the Internet of Things, using a true cooperative meshed network technology. which stands out for long range and low energy consumption applications. The technology is perfectly adapted to all sensor deployments, even in typically harsh wireless conditions.

APPLICATIONS

1. Agriculture
2. Meterology and Environmental Quality
3. Home Automation and Security
4. Environment
5. Energy
6. Harsh, Forested and Mountainous Terrain Monitoring
7. Industrial Monitoring and Automation
8. Military

AUTONOMOUS

With Spidermesh technology, each individual (node) in the network communicates with all of its neighbors within reach, therefore creating a completely independent network that does not rely on other services such as Wi-Fi, internet or cellular.

EXTENDED AUTONOMY

Communication between Spidermesh nodes is synchronized. Each individual within the network transmits data according to a schedule optimized for data packet collision mitigation, which ensures that the majority of attempts at transmitting data reach their target destination without needing retries, therefore saving energy/battery life when compared to standard wireless networks.

SELF-HEALING

Spidermesh is a meshed technology in which each node cooperates in repeating data packets network-wide, therefore conferring increased reliability in long-range and/or high-density deployments, as well as and increased resistance to multipath fading.

CONTACT US

+1 (581) 701-3075

462 rue Labrecque
St-Honore-de-Shenley, Qc, Canada

service@smartrektechnologies.com