When trying to save energy, one of the most important steps is to make energy use data as visual as possible so that it is 'real'. Mitsubishi Electric energy management systems allow users to monitor critical data such as Amps, Volts, kW, kWh and Power Factor. LEM's Wi-LEM (Wireless Local Energy Monitor) provides the raw energy data to Mitsubishi Electric systems wirelessly, providing the perfect solution for retrofit applications or in locations where wiring would be physically and/or cost prohibitive.

Key Features

- Wi-LEM Energy Meter Nodes (EMNs) are compact, easy to install and have their current sensors already connected for the best possible accuracy and simplicity right out-of-the-box.

- EMN wireless networks are tailored for harsh industrial RF environments.

- Advanced Demand Control and Analytics – focus on the processes and loads contributing to peak demand charges.

- The LEM wireless network connects to a central gateway integrated directly into the Mitsubishi Electric energy management system.

- The wireless network automatically configures and adapts to changes in structure, allowing for simple expandability and adaptability.

- The combination of Mitsubishi Electric energy management systems and Wi-LEM provides the perfect solution for monitoring energy data in virtually any setting.

Measure Energy Use at Point-of-Load

Energy Meter Nodes (EMNs) are installed at the various points-of-load and measure both cumulative and interval-based energy consumption including minimum voltage and maximum current.
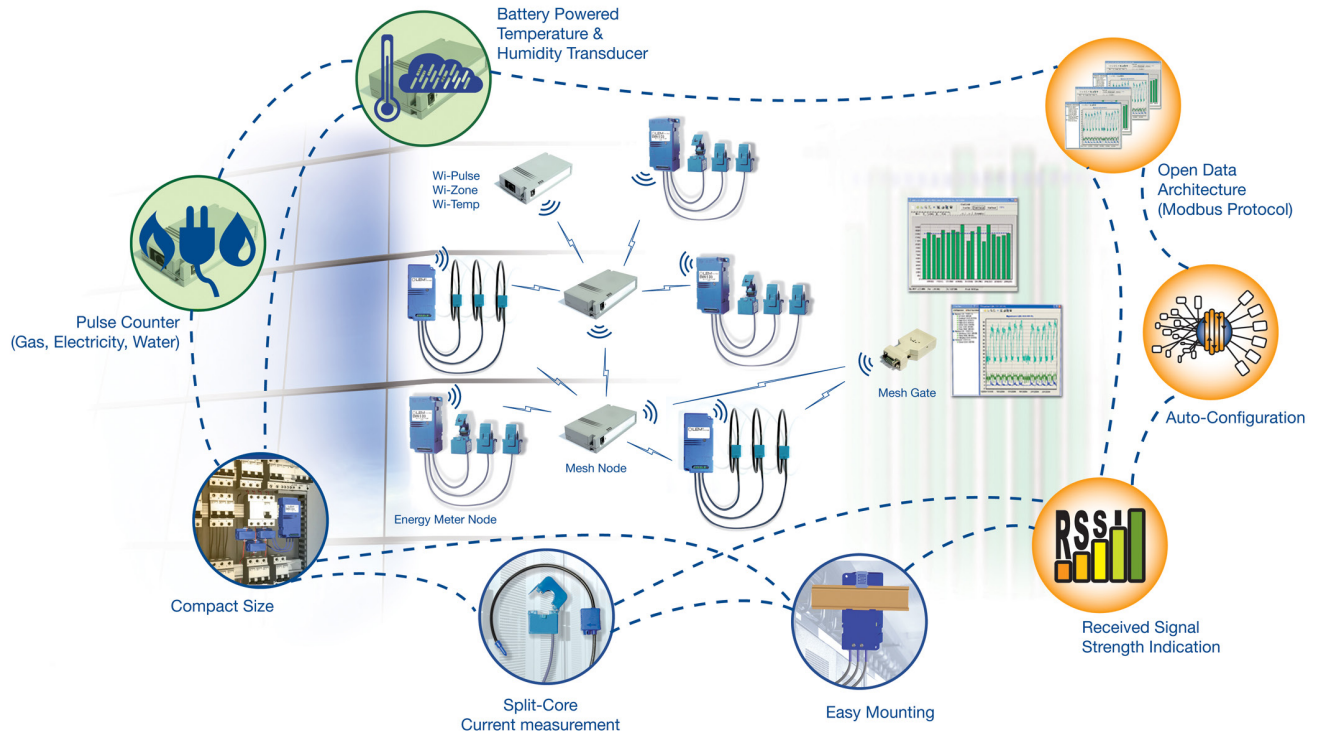
Integrated Energy Monitoring

Mitsubishi Electric energy monitoring systems are programmed to know where EMNs are installed and the type of load they are monitoring, allowing for various analytic and control options, including peak efficiency, load scheduling/shedding, preventative maintenance and cost allocation, among others.
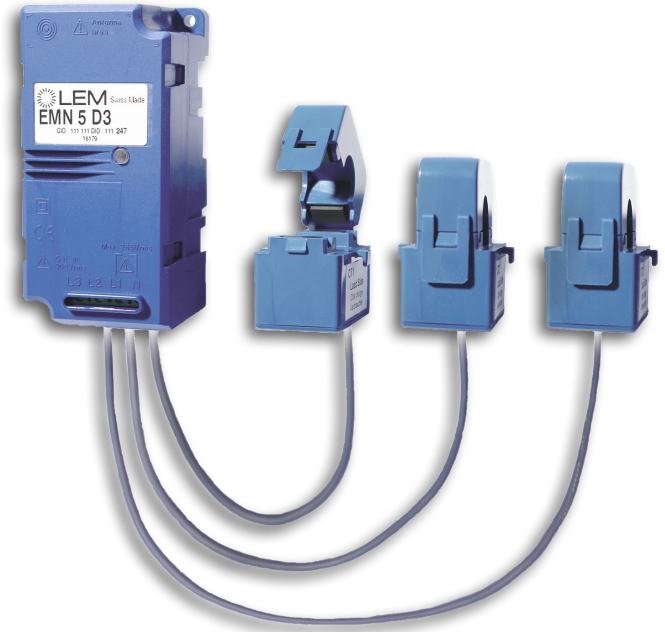
Simple Expandability and Adaptability

The wireless pieces, which include the gateway and routers for extending distance for wireless communication, are low-voltage powered and can be easily installed in almost any indoor location. The wireless network manages itself and allows for simple expandability and adaptability.