

# Grid Sensors

## SPEED-TO-VALUE PROGRAM

Silver Spring's next-gen grid sensor reduces the cost of fault isolation by up to **75%**, discovers phase imbalances, and pinpoints overloaded circuits.

### Hardware and Software

- » 12 grid sensors – 4 triplets
- » Pole-mounted take-out point
- » Data access and network management – delivered as hosted application

### Services

- » Pilot installation support
- » Device and management training
- » Results interpretation
- » Full deployment plan
- » Business plan development

### Duration

- » 90 days of data collection and online data access
- » FCIs remain your property following trial

## The Power of an Advanced Grid Sensor

Traditional Faulted Circuit Indicators (FCIs) have suffered from a number of limitations. Simple single-function indicator light-only FCIs are cheap and easy to deploy, but they force line crews to spend valuable time walking the circuit or feeder line to locate problems. FCI solutions that do have communications either require these modules to be mounted on pole tops, which is costly and time-consuming, or use separate overlay communications networks that create management challenges.

Silver Spring offers a compelling alternative. The Master Monitor 2 (MM2) is an advanced grid sensor designed by Sentient Energy with embedded Silver Spring communications. This two-way communications, leveraging the Silver Spring network, gives continuous and ubiquitous visibility of the power distribution grid, reducing the cost of fault isolation by as much as 75%.

### Highlights of the Silver Spring FCI Solution

The MM2 sensors monitor primary circuit current and temperatures and provide instantaneous DNP3-based alerts when a problem occurs. Such continuous information not only delivers rapid fault location but also enables you to proactively identify other line problems such as overloading and primary circuit imbalances. The MM2 provides:

- » inductive powering
- » hot-stick installation
- » embedded Silver Spring communications
- » automatic network detection and joining
- » current and temperature monitoring

### About Silver Spring Networks

Silver Spring Networks is a leading networking platform and solutions provider for smart energy networks. With its pioneering IPv6 platform, Silver Spring has networked over 12 million homes and businesses throughout the world with the goal of achieving greater energy efficiency for the planet. Silver Spring's innovative products enable utilities to gain efficiencies, integrate renewable energy sources and empower customers to monitor and manage energy consumption. Silver Spring Networks is used by major utilities around the globe including Baltimore Gas & Electric, CitiPower & Powercor, Commonwealth Edison, Florida Power & Light, Jemena Electricity Networks Limited, Pacific Gas & Electric and Pepco Holdings, Inc. among others. For more information please visit [www.silverspringnet.com](http://www.silverspringnet.com).

## Speed your Time to Value with FCIs

The Speed-to-Value offer for FCIs lets you quickly deploy these next-gen grid sensors and rapidly see the value of their granular data. This pilot offer supports deployment with no need for integration with your SCADA system, and you can demo the FCIs whether or not you have an existing Silver Spring network. Silver Spring will train your team on configuration and operation of the MM2, assist

you in installation, proactively alert you to any events, and help you interpret the driver of those alerts.

At the conclusion of the trial, the sensors are yours, and we will help you craft a compelling business plan for a larger deployment.

