



## Utility Analytics - Transforming Data Deluge to a True Gold Mine

The utility industry today is collecting vastly more data than ever before, largely due to a proliferation of IoT devices and sensors deployed as a part of their growing critical infrastructure. In the rush to reduce costs, improve operational efficiency and better serve their customers, utilities are hiring data scientists and unleashing predictive analytics programs to use this immense amount of data to create value. But not just any solution will suffice. What utilities really need today is the right combination of analytical tools to derive meaningful insights from incoming high-frequency data, and to not worry about managing complexities related to upgrading their infrastructure manually.

Silver Spring's leadership in big data and analytics continues to empower utility customers with automated, precise insights into their business process operations – insights that enable utilities to transform the end-user experience. Utilities and cities on five continents have deployed our Analytics solutions. Silver Spring has also deployed SensorIQ™ for nine leading utilities, worldwide.

**Save the Date: September in Chicago.** Join us for Silver Spring's annual Analytics Connections event, in September 2017 in Chicago, IL, to learn more about our Analytics product suite. You will learn how our product suite has been successfully deployed across hundreds of business use cases within AMI operations, distribution grid, revenue protection, network operations and customer operations modules, to help utilities drive more value from their big data.

## Solution Spotlight

### SensorIQ – Unlock the network capability for new data streams

SensorIQ, a back-office application for high frequency data collection, unlocks real-time and granular data from a range of endpoint devices on the network. SensorIQ provides a flexible architecture for gathering AMI analytics data by easily configuring devices so they do not require any changes to the endpoint programming.

With data collected at such a high frequency, this application provides utilities with comprehensive insights into trouble areas involving varying voltage, temperature, current, power factor, consumption and demand on the network. Proactive alerts help utilities predict potential future issues and forecast their asset lifespan, thus allowing them to more accurately manage grid stability, improve the quality of power and reduce energy waste. [Read more](#)

Silver Spring's [Analytics product suite](#) has deployed hundreds of business use cases across AMI operations, distribution grid, revenue protection, network operations and customer



operations modules to help utilities on five continents drive efficiencies, improve reliability and enhance quality of service for consumers.



## Customer Spotlight

**United Energy is maximizing its AMI investment with Data Analytics by building smart utility networks across Melbourne and the Mornington Peninsula, Australia**

Silver Spring's SensorIQ provides United Energy with comprehensive insights from granular and near real-time network data to more efficiently predict, understand, react to and resolve issues across their distribution network.

The use of SensorIQ to provide high-frequency (10 sec to 5 min) voltage, current and power factor data from United Energy's smart meter population on the Silver Spring mesh network has changed the way United Energy manages and operates its electricity network.

With this program, United Energy has been able to efficiently

manage customer claims, protect its revenue stream and meet compliance, while improving low voltage network reliability and reducing safety risks to staff and the community.

## Ask the Expert

### Silver Spring's VP of Analytics Discusses Best Practices for Building an Automated, Reliable Analytics Framework

**Q:** Where do you see Analytics going in the utility space now and beyond? How do you prepare for the inevitable changes in IoT and continue to deliver value?

**A:** In the age of IoT connectivity, modern utilities are constantly trying to figure out how to utilize the massive amount of data to the advantage of their organizations. As lakes and lakes of data are constantly generated by meters and sensors on the network in real-time, the current trend within utilities is to adopt technology approaches that enable this data to be gathered, processed and analyzed to deliver real-world value to their customers. As the volumes and velocity of the data continue to change, however, so must the analytics approaches. Now more utilities are moving toward streaming analytics,



where the data is ingested and analytics performed at the edge. This means taking techniques that are developed in the back office then deploying them in the powerful smart meters in IoT devices around the grid. [Learn more](#)



## Resource Corner

- **Brochure:** Starfish [Read now](#)
- **Brochure:** Operations Optimizer Quick Start [Read now](#)
- **Brochure:** Grid Management [Read now](#)
- **Article:** Data Science and the Future of IoT [Read now](#)
- **Data Sheet:** SensorIQ [Read now](#)
- **Video:** Why Mesh Networks are the Right Choice for IoT [Watch now](#)

## Silver Spring Blog

[Join our conversation today](#) on the trends, technologies, and opportunities that are shaping the future of The Internet of Important Things™.



## Recent Blog Posts

- [Advanced Metering Helped BGE Customers Save This Winter](#)
- [TALQ Elects Silver Spring's Simon Dunkley as Secretary General, Endorses Protocol Expansion to Smart Cities and IoT](#)
- [Video: Why Mesh Networks are the Right Choice for IoT](#)
- [Silver Spring Networks' Customers Named to Fortune's "World's Most Admired Electric and Gas Utilities" List](#)
- [Power Over Energy Educational Initiative Reaches More Than 107 Million Consumers and Launches New Website](#)

## Upcoming Events

- [ICSG – Istanbul](#) - April 19 - 21, 2017, Istanbul, Turkey
- [LightFair International](#) - May 7 - 11, 2017, Philadelphia, PA
- [APPA Engineering & Operations Technical Conference](#) - May 7 - 10, 2017, San Antonio, TX
- [Internet of Things World – Santa Clara](#) - May 16 -18, 2017, Santa Clara, CA
- [LPWA – London](#) - May 23 - 24, 2017, London, UK
- [Smart City Business America](#)- May 22-24, 2017, Curitiba, Brazil
- [Asian Utility Week](#) - May 24 - 25, 2017, Bangkok, Thailand
- [Australian Smart Communities Conference](#) - May 29-31, 2017, Adelaide, AUS
- [Edison Electric Institute Annual Convention](#) - June 11 - 14, 2017, Boston, MA

## Latest News

- [DEWA Signs Agreement with Silver Spring Networks to Provide a Smart Canopy for Innovative Services and Smart Grid Applications](#)
- [Silver Spring Networks Announces Catriona Fallon as Chief Financial Officer](#)
- [CESC Expands Silver Spring Networks IoT Platform to Kota and Bharatpur, India](#)
- [Bloomberg Markets: Bell Discusses Connecting Infrastructure](#)
- [AEP Ohio Selects Silver Spring for AMI Deployment](#)
- [Smart Street Lighting for Oklahoma](#)
- [Power Over Energy Educational Initiative Hits More Than 107 Million Consumers](#)
- [Silver Spring Networks Showcases IoT Platform at DistribuTECH 2017](#)
- [DistribuTech Roundup: Distributed Energy Intelligence, AMI and IOT, and Better Bird-on-a-Wire Sensors](#)
- [Smart Streetlight Project Helps Oklahoma Gas and Electric Keep the Lights On](#)

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