

Enabling Your Vision. Choose the Right Network.

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OPEN, STANDARDS-BASED NETWORKING MAKES IT REAL

Utility leaders around the world are constructing a new vision of service delivery and financial performance. This broad vision spans traditional organizational boundaries to deliver operational improvements, increased customer satisfaction and sustainable increases in financial performance even in today's demanding environment. They are implementing a future where information and more visibility into individual customer activity will drive their business. They are implementing the "smart grid."

The IntelliGrid initiative put forth by EPRI has helped define the vision and the technical foundation for a smart grid that will support the 21st century. The IntelliGrid vision holds great promise for improving operational efficiency and utility profits, while maintaining the promise of low-cost services for all consumers. To realize this vision, utilities need to create an advanced utility network that brings smart devices "on line" and allows for real-time communication and continuous monitoring of the grid.

Utilities' ability to realize this vision lies in choosing the right network infrastructure for today and yet one that will support their own vision of the smart grid. Advanced networking from the substation to the premise creates the fundamental platform on which smart grid initiatives are built. The right network infrastructure provides secure and seamless connectivity that supports any utility application. Innovative, standards-based applications can leverage smart grid assets, turning new concepts into new products.

THE VALUE OF STANDARDS

There is overwhelming evidence from almost every industry proving the value of standards. Standards drive innovation by allowing vendors to develop best-of-breed products. Standards lower the risk for implementers, both in

delaying obsolescence and eliminating vendor lock-in. Standards create efficiencies, leverage collective R&D, minimize complexity for customers and pool great minds to solve complex problems. And of course, standards drive down prices.

The suite of Internet protocols, known simply as IP, is the enabling technology that allows this evolutionary approach to creating an advanced utility network. IP creates the common thread that allows various technologies to work together. IP technologies are proven to be robust, scalable and secure and are the most ubiquitous, proven networking technologies available today. IP represents hundreds of billions of dollars in collective R&D to date and it is estimated that over the next 10 years, more than \$1 trillion in additional R&D will be invested. Utilities are now able to leverage this investment. In fact, utilities are now able to extend the proven and future protection offered by IP technologies to every customer.

CREATING AN ADVANCED UTILITY NETWORK

Silver Spring Networks offers innovative networking for utilities using IP standards. In every industry, the use of IP has provided the highest ROI, the least financial risk and the shortest time to solution.

Leveraging proven IP networking technologies, Silver Spring Network's products are designed to meet the strict reliability, scaling and security requirements of the utility industry to deliver greater value at a lower overall cost than existing, proprietary solutions. This advanced utility network enables a variety of applications including advanced metering, demand response, outage/restoration management, distribution automation and consumer energy portals - the full vision of the smart grid made real. This allows utilities to improve reliability, lower costs and deliver superior customer satisfaction. ■



Silver Spring Networks develops intelligent, IP-based networking solutions that allow utilities to improve operational efficiency and customer satisfaction and ensure the reliable delivery of low-cost services.

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