

OPERATIONS OPTIMIZER QUICK START

QUICK IMPLEMENTATION WITH PRE-INTEGRATION TO SILVERLINK™

Operations Optimizer™ Quick Start is a beyond agile, configurable analytics solution for modern utilities that helps streamline business process operations and workflows through a simple, fluid web-based interface. Quick Start leverages the same Operations Optimizer base toolset, and provides the utility with the benefits, of the most common set of AMI Operations and Revenue Assurance use cases. Quick Start is pre-integrated to Silver Spring's network applications and does not require back-office systems integration, alleviating the utility of any IT dependencies.

With Quick Start, utilities on Silver Spring's network can reap the benefits of AMI data as soon as the deployment begins, ensuring a fast return of value.



Silver Spring[®]
NETWORKS

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OPERATIONS OPTIMIZER QUICK START KEY BENEFITS

Pre-integration to Silver Spring's network:

Quick Start can be fully operational in only 12 weeks, enabling utilities to move forward quickly on meeting critical business requirements. Faster implementation provides a quick return on value by allowing utilities to adequately prioritize their time and resources on other critical path projects.

No back office integration to utility systems:

Quick Start enables utilities to do 'more with less' by completely avoiding the complex and time consuming integration to utility systems (such as Billing or Meter Data Management systems). This, in-turn, frees up IT resources to focus on other vital projects at the utility. With no back office integration, there are no interfaces between Quick Start and other utility systems, which can be costly and complex to maintain.

Gain instantaneous insights and value from your big data: With Quick Start, utilities achieve immediate and ongoing benefits across the full breadth of deployment on the network, starting from the first meter set. Quick Start accelerates time to deployment and empowers utilities to efficiently and cost-effectively tackle the complexities of operating a smart meter deployment.

Quick wins through speed and simplicity: Quick Start delivers fundamental high value use cases that serve as building blocks for the deployment of future use cases, giving quick successes to a new AMI deployment.

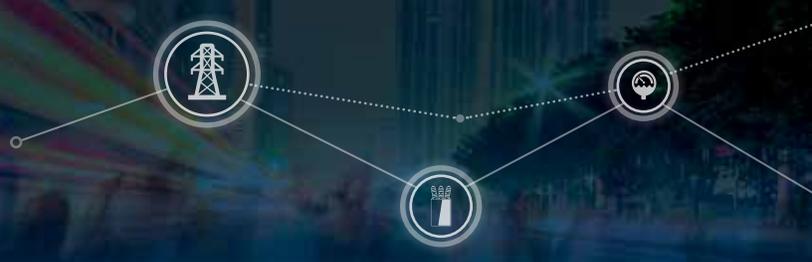
QUICK START KEY COMPONENTS

- » **A centralized data repository:** The Operations Optimizer data repositories provide secure, authorized access for all the granular and real-time data, running end-to-end, across your network infrastructure. Longer data history supports deeper analysis, ability to build new use cases and analytics using the same data streams.
- » **Base set of Revenue Assurance use cases:** Includes the most common use cases for Revenue Assurance 'out of the box', ensuring the meter to cash process is protected from day 1 of the AMI deployment.
- » **Base set of AMI Operations use cases:** Includes the most common use cases for AMI Operations 'out of the box', ensuring a rapid, smooth and successful deployment.

DID YOU KNOW?

Electric utilities lose anywhere from 1% to 3% of their revenue to theft each year. Sacramento Municipal Utility District (SMUD), a leading municipal utility in California, implemented Silver Spring's data analytics solution in 2012. The software serves as a virtual set of eyes in the field for approximately 620,000 meters. In addition to helping SMUD identify cases of theft, the software also provides SMUD with a system for tracking investigations in progress, managing collections and tracking of results. In comparing the 12 months prior to the implementation of the solution to the 12 months after implementation, SMUD reported that they billed 15.5 million additional kWh due to theft detection, which equates to more than \$3M in additional billed revenue.¹

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QUICK AND EASY WAY TO STREAMLINE BUSINESS PROCESSES WITH OPERATIONS OPTIMIZER QUICK START

Accelerated Deployment. Early Detection of Issues. Quick Remedies. Rapid Results.

Operations Optimizer enables utilities to leverage existing smart grid infrastructure to constantly collect, ingest and archive data from any device on the secure network. It's centralized data repositories are capable of holding a long-term archive of both raw and enriched network data, and includes a pack of standard visualizations for easy data access. Pre-integration with Silver Spring's analytics applications allows you to explore this rich library of operational data, with expanded capabilities, to evaluate additional use cases for Revenue Assurance and AMI Operations over time. With Quick Start, your organization can gather precise and timely network insights from the continuous streams of data generated, run the right analytics and take quick action.

Operations Optimizer Quick Start helps utilities deploying Silver Spring's network by providing a highly efficient means to monitor for common deployment issues and challenges, ensuring a smooth deployment and positive customer experience. Quick Start provides value after deployment by monitoring for faulty metering conditions such that they can be remedied quickly without negatively impacting the customer or the utility's revenue. In addition to identifying faulty meters, the analytics capabilities of Quick Start enable the predictive identification of pending failures, allowing utilities to take a proactive approach to meter and device maintenance.

Quick Start also provides the utility with the tools necessary to protect the revenue stream from losses associated with theft and tampering. Revenue Assurance analytics enable the utility to monitor for cases of meter tamper, meter bypass and other forms of illicit connections to the grid. A set of tools within Quick Start allow the utility to manage cases from detection through field investigation and collection.

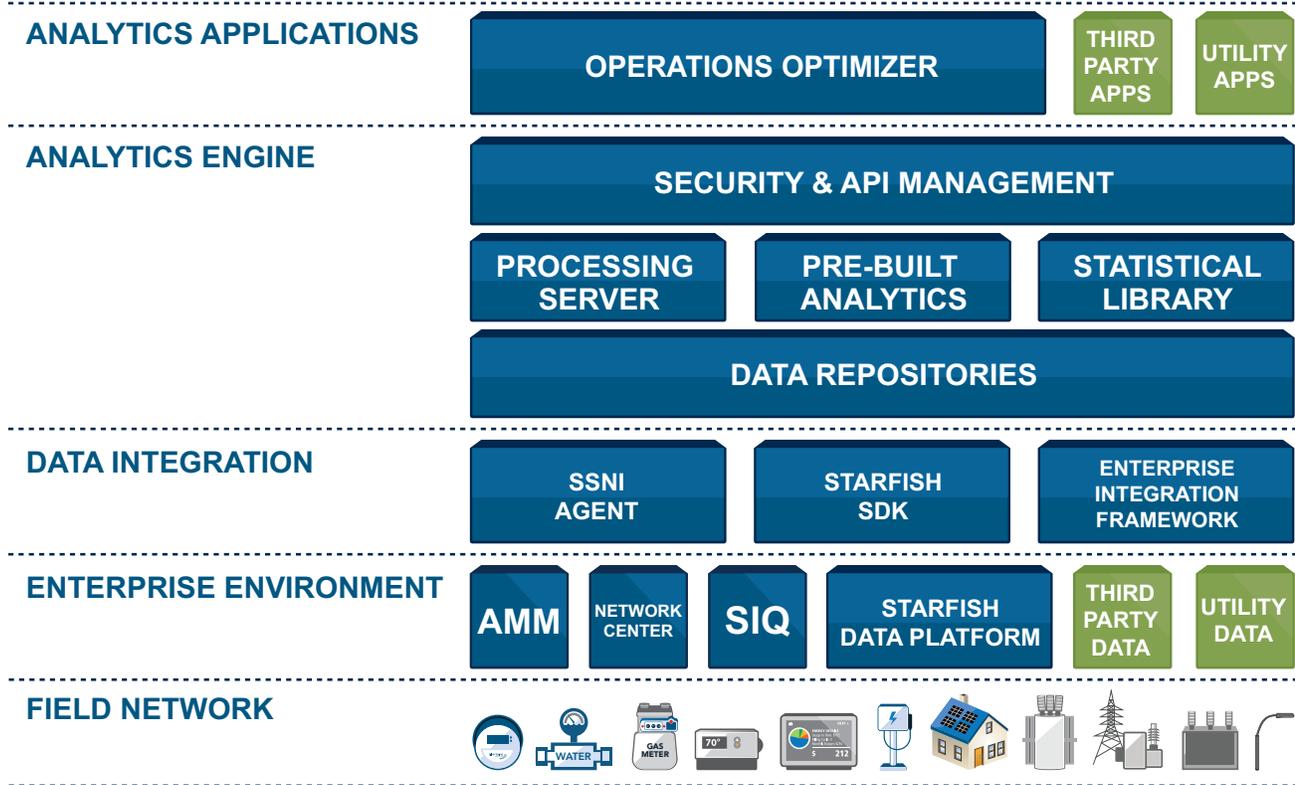
Operations Optimizer Quick Start provides utilities deploying Silver Spring's network with all of the base tools necessary to ensure a smooth and efficient deployment. Quick Start can be easily enhanced or upgraded to take advantage of other use cases available through various Operations Optimizer modules.

HOW OPERATIONS OPTIMIZER QUICK START GETS YOU THERE

- » Centralized repository for energy usage data
- » Accelerated time to deployment
- » Quick return on value
- » Base set of Revenue Assurance and AMI Operations use cases
- » Secure, role-based access
- » Multi-commodity support—Electric, gas, water

"The Silver Spring Analytics solution has transformed our organization, enabling us to manage revenue incidents proactively, drive enhanced efficiency for our field operations and deliver greater value for our customers."

– Dan Christopher
Manager Revenue Assurance, SMUD



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PROVEN LEADERSHIP IN DATA ANALYTICS

Leading utilities count on data-driven insights from Operations Optimizer in their daily operations. Operations Optimizer is used by utilities around the globe and analyzes data from over 30 million water, gas, and electricity meters, in both AMI and legacy environments, at more than 20 leading utilities.

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