



## Delivering the next generation of network management

GridMaven validates the promise of a smart grid with solutions that solve the complex IT and operational systems challenges facing utilities today. Let us help you prepare for the next step.

**GRIDMAVEN™**

The GridMaven™ suite of solutions helps utilities better manage the increasingly complex communications infrastructure and customer engagements that emerge as a result of smart grid activities.

### Delivering on the Promise of Smart Grid

The promise of smart grid extends far beyond the deployment of smart devices. In order for utilities to leverage these new devices to deliver safe, reliable, affordable power with greater efficiency and customer engagement, you must manage your telecommunications infrastructure with the same rigor and sophistication as your power delivery networks.

Given the variation of performance, latency and bandwidth needs in your smart grid applications, there is a growing trend toward deployment of multiple network technologies and vendors. Traditionally, each communications network will have its own element management software for basic fault, performance and configuration. These tools neither monitor other networks nor integrate with one another, leaving your telecom team to learn multiple independent systems with no view of overall network health.

### Making Network Reliability a Reality

As smart grid initiatives expand, utilities are now faced with a hybrid, heterogeneous communication infrastructure that requires the same level of rigor and sophistication in management as the power grid.

GridMaven helps you manage the ensuing challenges of your smart grid by offering a single platform for the monitoring and management of multiple utility communications networks with real-time fault and performance information. This

enables faster decision-making, improved reliability and increased operational efficiencies to avoid serious service disruptions for your customers.

### Scalable and Cost-Effective Solutions

#### GridMaven Network Manager (GNM)

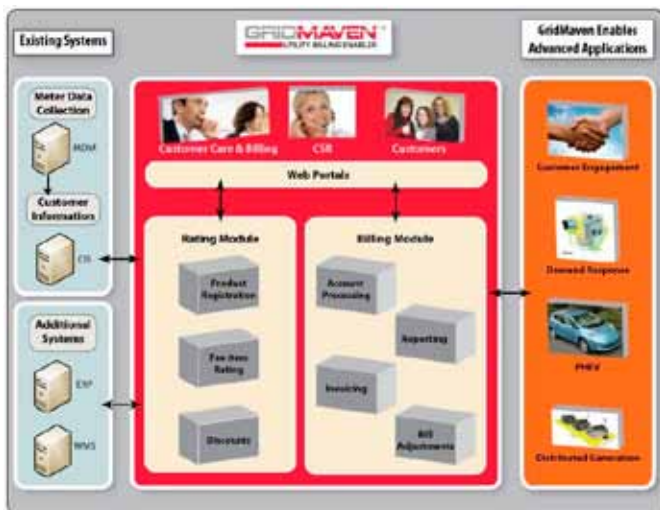
is a centralized platform for monitoring and management of multiple communications networks by providing real-time fault and performance information for faster decision-making, improved reliability and increased operational efficiency. GNM summarizes, correlates and prioritizes issues across networks to speed root cause analysis and reduce mean-time-to-resolution (MTTR). GNM allows you to institutionalize your own knowledge and make it available across your IT and operational business units.



GridMaven Network Manager

Few technologies offer this centralized, ‘manager of managers’ approach geared toward utilities. Existing solutions derive from IT network management and require a significant up-front investment with limited legacy integration or future-proofing. GNM is built using modular, service-oriented architecture that delivers exceptional functionality in a scalable, cost effective way. Its intuitive interface and automated features lessen manual tasks, thereby, reducing operating expenses and human error.

**GridMaven Billing Enabler (GBE)** is a utility specific billing solution that enables new customer centric markets and services through complex billing in near real time. These might include time of use rates, deregulated targeted service and product combinations, or pre-pay combinations, which require immediate settlement. GBE’s modular architecture can extend and add value to existing CIS and legacy systems with minimal integration expense.



GridMaven Billing Enabler

## GM NETWORK MANAGER

### Key Benefits

- Centralized, efficient operations
- Lower operating costs, reduced downtime
- Superior reliability and performance
- Flexibility and extensibility
- Effective network diagnostics to speed root cause analysis and issue resolution

## GRIDMAVEN™ BILLING ENABLER

### Key Benefits

- Support for real time rating
- Modular design allows for use of existing CIS system
- More intuitive interface leads to quicker rate changes and less errors
- A lower cost, less risky option than a full CIS overhaul
- Web interface allows customer to access product recommendation tool estimating charges across fixed rate or TOU plans

## History of Solving Customer Needs

GridMaven solutions were developed using the industry-leading network management applications of SK telecom, Korea's largest telecommunications operator. These solutions have been proven for over 25 years in the telecom sector. SK's solutions have been deployed by leading carriers and utilities in North America, Asia, and the Middle East.

SK telecom has an unparalleled history of innovation and successful entry into new markets. It was the world's first carrier to deploy a commercial WCDMA network, 2.5 and 3G WCDMA and HSDPA. In addition, in 2009 SK telecom has been ranked #1 by the Wall Street Journal among South Korean companies in "Innovation in Responding to Customer Needs" and was named in 2006 one of Newsweek's Top 100 Most Innovative Companies in the World.

**Learn more at [www.gridmaven.com](http://www.gridmaven.com)**

**GRIDMAVEN™**

GridMaven, Inc.  
310 De Guigne Drive  
Sunnyvale, CA 94085

<http://www.gridmaven.com>

### About GridMaven

GridMaven Network Manager empowers operators with the tools to manage hybrid utility communication networks. A powerful software platform, it provides real-time performance and event monitoring in a centralized interface, allowing event correlation across disparate networks and extending the value of legacy networks. Finally, operators have an end-to-end view across all system devices. Learn more at [www.gridmaven.com](http://www.gridmaven.com).