

Current SmartGrid partners & vendors



Siemens Energy, Inc.

Siemens will focus on the automation of the distribution network, Smart Substation controllers, and integration with Distribution SCADA, full Distribution Management System (DMS) capabilities as well as integration with the existing Geographic Information System (GIS), Advanced Metering Infrastructures (AMI), Meter Data Management Systems (MDMS), Distributed Energy Resource Management (DERM) Systems, and Demand Response Management (DRM) Systems. Siemens' extensive expertise, experience and leadership in the energy industry directly correspond to SmartGrid advancements. Overall, Siemens has embraced the SmartGrid paradigm shift and is dedicating significant resources to create lasting products and solutions for its customers.

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Open Access Technology International (OATI)

OATI, which has been serving the energy industry since 1995, has had steady growth since its inception and currently has more than 400 staff members. Today, the privately owned OATI, headquartered in Minneapolis, Minn., with branch offices in San Mateo, Calif., and Houston, Texas, provides innovative solutions and services to the electric and gas industry to meet challenges in energy scheduling, trading, and risk management; transmission reservations, scheduling, and congestion management; and compliance monitoring. In addition, OATI offers a variety of products under its web SmartEnergy suites of applications, which are modular solutions to address the requirements for the emerging SmartGrid. OATI web SmartEnergy products include software and services for Demand Response and Distributed Energy Distribution Resources Management, Renewable Management and Asset Management.

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Electric Power Research Institute (EPRI)

EPRI will provide technical expertise and advice on defined portions of the project. In addition, EPRI is an active member on several national and international five-year EPRI SmartGrid Demonstration Initiatives, which support SmartGrid projects that integrate distributed energy resources (www.smart-grid.epri.com). One of the main objectives of this initiative is to identify approaches for interoperability and integration that can be used on a systemwide scale to help standardize Distributed Energy Resources (DER) as part of overall system operations and control. EPRI will support this project in several areas including cost-benefit analysis efforts, use case documentation per the IntelliGrid methodology, data analysis and benefits estimation, CO₂ impact assessment and technology transfer.

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Intergraph Corporation

Intergraph provides a suite of electric industry solutions to address work design, network asset management, outage management and integrated mobile work force management. The foundational component, a Geographic Information System (GIS), is a comprehensive, enterprise-capable, network asset infrastructure management platform that houses a connected data model of the entire energy network or communications infrastructure. This project will leverage an existing Intergraph (GIS) model in the development of the proposed advanced grid monitoring and control environment.

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Landis+Gyr (L&G)

Landis+Gyr has over 100 years of history in the energy space, including 60 years of direct load-management expertise and 25 years of smart metering innovation. It is also a leader in integrated energy management solutions, with a commitment to improving energy efficiency and environmental conservation. L&G operates in more than 30

countries on five continents, with over 15 million endpoints actively managed in long-term contracts.

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GridPoint

GridPoint will provide a residential Energy Resource Management (ERM) and Home Area Network (HAN) platform that will provide energy consumers and utilities with an intelligent network of distributed energy resources that can control load, store energy and produce power. The platform aggregates distributed energy resources and provides consumer and utility control through a single Web-based interface, giving the equivalent performance of central station generation.

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Kokam America Inc. (Dow Kokam)

Dow Kokam America will leverage existing lithium polymer battery technology development and manufacturing expertise to develop and deploy a grid-scale energy storage system that supplies peak-shaving, demand-management and enhanced power quality Micro-Grid restoration capabilities to the KCP&L grid. The installation will be part of a larger distributed resource environment, Distribution Management System, controlled remotely and programmed to function automatically in conjunction with other SmartGrid components.

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