EnergyIP will be one of the core platforms in the Siemens Smart Grid Suite, which spans across several Smart Grid verticals.
Siemens delivers metering solutions from consulting to utility field services, covering the complete metering value chain.
### Capabilities
- Base Smart Grid application platform
- Low minimum platform cost
- Upgrade tools (data migration)

### Customer Benefit
- Out of the box capabilities like CIS integration, workflow management, AMI integration
- Scalability to support millions of end devices
- State of the art middleware with built-in security, reporting and database auditing

### USP
- Scalable platform for all near-real-time data collection, management and analysis
- Platform installation cost incurs only for the first application delivered to one customer
EnergyIP will be the Grid Application Platform for Siemens Smart Grid
Applications Future-proof Your Business
EnergyIP Grid Application Platform

Benefits:

- Add applications as your business needs them
- Open API’s allow for development of applications by third parties
- Quickly respond to future needs
- Leverage integration with AMI and business applications
- Development roadmap of key applications
Platform Key Features

Modern UI Framework
- extJS based; customizable;
  widgets, designs, Google Maps

In Memory Data Grid
- 4X times faster data; real-time meter
  reads processing

Scalability
- Cluster management; application
  instances as needed

Visual Administrator
- System Console GUI for system
  configuration and monitoring

Built for Configuration
- Easily customizable UI, data models
  & services; tools for customizations

High Performance, Event-driven
Application Framework
- Server/client code generation;
  app deployment
We Offer a Holistic Set of Services

Professional Services

Delivery Services
...following the PM@Siemens approach, allows for cost effective and low risk solution deployment

Expert Services
...to ensure accurate implementation of business processes by certified technical resources

Custom Development Services
...allow for tailored functionality seamlessly integrated to core product

Support Services

Standard Support Services
...allows to leverage the backing of our support desk and technical expertise

Business Critical Support Services
...to ensure non-interruptive operation of your business critical systems

Training Services

Product Training
...to provide you with all the knowledge and tools you need

Siemens also offers an AMI Priming approach to take the risk out of your entire smart grid deployment!
Complementary Siemens AMI Prime Program Model

- Siemens manages almost everything
  - Scope
  - Contracts
  - Invoicing
  - Payment
  - Resources
  - Coordination
  - Reporting
  - Cash flow
  - Risks
  - Change Orders

Utility Manages Siemens and...
  - Business Changes
  - Bring Value to Members
PM@Siemens Project Methodology

**Tangible Value**
- World wide recognition
- Proven methodology
  - Best in class technology
- State of the art tools
  - Low implementation risk
- Increase implementation success
- Committed and dedicated team
- Long-term partnership

**Intangible and More Valuable**

Backing of an organization that understands your Smart Grid Project is *more than just another IT project.*

At Siemens we know it's about our environment, our society, the community.

*Siemens delivers metering solutions from consulting to utility field services, covering the complete metering value chain.*
PM@SIEMENS
Not Just a Methodology…it’s the way we are jointly successful!

People
- PMs are all PMI certified
- Solution Architects
- Technical Leads
- DBA’s
- Testing
- Configuration Engineers

Process
- Based on the Project Management Institute (PMI) best practices
- Follows waterfall methodology
- Scales without compromising quality
- Same methodology principles used at all clients and with all products
PM@SIEMENS
Not Just a Methodology…it’s the way we are jointly successful!

Tools
- File Exchange – SharePoint
- Resource tracking – EPM
- Monitor & Control – EPM
- Source Control – Vault
- Support System – SalesForce.com
- In-House Copy of your System

Documentation
- Detailed scope of work
- One common repository
- Version controlled

RFP Negotiate Initiate Plan Execute Close
We Deliver this Solution Together with a Network of Partners to Always Provide You Best of Breed and Therefore Best Solution

- System Integrators, Resellers & Consultants
  - Accenture
  - Siemens
  - Greenbird
  - HCL
  - IBM
  - Ciber
  - Sparta
  - TATUNG
  - Wise Men

- Technology and Developer Partners
  - Basset
  - Clevest Solutions Inc.
  - Detectent
  - GridX
  - Orga Systems
  - SAP
  - Simple Energy

- AMI Partners
  - Echelon
  - Kamstrup
  - Silver Spring Networks

- AMI Adapters
  - Aclara
  - Cooper
  - Elster
  - Grid NET
  - Itron
  - Landis+Gyr
  - Sensus
  - Smart Synch

- Managed Services Partner
  - Verizon
Industry Recognition

Gartner December, 2013. *Magic Quadrant for Meter Data Management Products*

- Clients consistently rank integration architecture, product functionality and performance among the highest in this product category.
- Clients using EnergyIP in conjunction with SAP IS-U report satisfaction with out-of-box integration with SAP MDUS.
- eMeter's viability, global reach and delivery capability have improved following the Siemens acquisition.
Globally Driving Utility Value Add by Integrating EnergyIP in Existing Legacy Systems
Wabash Valley Power Authority

Key Features

• Software platform allowing WVPA to utilize their newly deployed AMI network with EnergyIP MDMS to create a bidirectional communication and validation solution

• Siemens DRMS is able to provide WVPA with the ability to shed load through the legacy system, verify load shed, calculate baselines and automate customer billing and settlement

Customer Benefits

• Automate several cumbersome processes

• Automate customer billing and settlement via the utility billing system
Smart Metering: CPFL Energia – the First Meter Data Management (MDM) Solution for Brazilian Market

CPFL Energia

Key Features

• Integration of EnergyIP with 2 AMI systems to support planned 7M metering points mass toll out
• Implementation of MultiOrg Capabilities to support CPFLs 8 generation companies
• Localization of EnergyIP to Brazil & Portugal

Customer Benefits

• Operational cost reduction
• Reduction of field staff
• Improved energy quality
• Reduction of non-technical losses
Customer Case Studies

VATTENFALL

- Monitoring of network loss
- Actual hourly loss data
- Voltage monitoring and alarming
- Settlements
- Analytics framework

Bluebonnet

- Net energy market portal
- Hourly usage presentation
- Cost and CO₂ presentation
- Alerts – text, email or phone
- Bill projections and history
Customer Case Studies

- Daily reads with 60 min interval data for over 4M meters
- 7 AMI system types integrated
- TOU billing (>3.5M customers)
- Multi-Org system for 76+ LDCs

- Daily mass market settlement
- Daily reg read and 15 min interval data for >2M meters
- C/DC reduced > 2M truck rolls
- eCurtailment & outage
- Analytics framework
Successfully implemented – today.