

# MeterSense

Enabling the SmartGrid

## Key Benefits

- Customer configurable rules engine
- VEE
- Integration with any AMI and/or CIS
- Auto generate service orders
- Reporting
- Exception handling
- Revenue protection
- Integration with outage management
- Permanent storage of register reads
- Automated handling of alarms and/or events
- Validation of alarms against CIS and work orders

## Product Overview

As utilities move from manual to automated meter reading and potentially to time of use (TOU) billing the issue of gathering, validating, managing, and leveraging the volume and frequency of this new information becomes highly critical.

Today's automated meter infrastructure (AMI) and automated meter reading (AMR) systems provide utilities with tremendous amounts of billing and operational data. Integrating this information with each utility's unique business systems in a real-time environment plus providing easy to use decision support tools is where Harris's MeterSense adds value to a utility's AMI/AMR investment.

MeterSense is a comprehensive meter data management solution (MDMS) designed with a technology layer and configurable Rules Engine that are flexible and completely CIS/AMI/OMS independent.

The goal and benefit of implementing MeterSense is to use the Rules Engine's logic to automatically filter and process as may events and as much information as possible leaving only a small number of exceptions requiring manual review and/or intervention. As this is a customer configurable tool set, utilities can set and adjust thresholds for handling events to derive the desired results.

MeterSense is a fully developed application configured specifically for each utility. Implemented prior to or in conjunction with a smart meter deployment, MeterSense provides immediate value by validating your metering and communications infrastructure. Through various standard reports MeterSense can identify meters that have not communicated against your customer information system as well as validating the communications path for each meter. You can also use MeterSense to validate service level agreements with your AMI vendor(s).



**Revenue Protection** - Utilities now have the data and means to aggregate and compare transformer readings, in addition to searching for missing or unbilled meters.

**Conservation and Event Management** - AMI and smart meter networks provide utilities with real time notification of events such as outages, tampers, and even low battery. MeterSense is the central integration point and logic for identifying, importing, and acting on these alerts and events. It could be notifying the control room operator or simply scheduling a work order. MeterSense's unique design allows it to receive events and alerts from other sources such as energy suppliers, SCADA, OMS, retailers, or other systems and third parties.

**Reporting** – MeterSense is delivered with a number of very useful preconfigured reports. However, it is an open database so utilities are free to develop and their own tools and

analytics, if required.

**Integration** - MeterSense is designed with an open framework facilitating integration with virtually any meter reading or other utility business system. It acts as the central integration and event management point for your critical utility systems including outage management, interactive voice response, customer information and billing, and GIS.

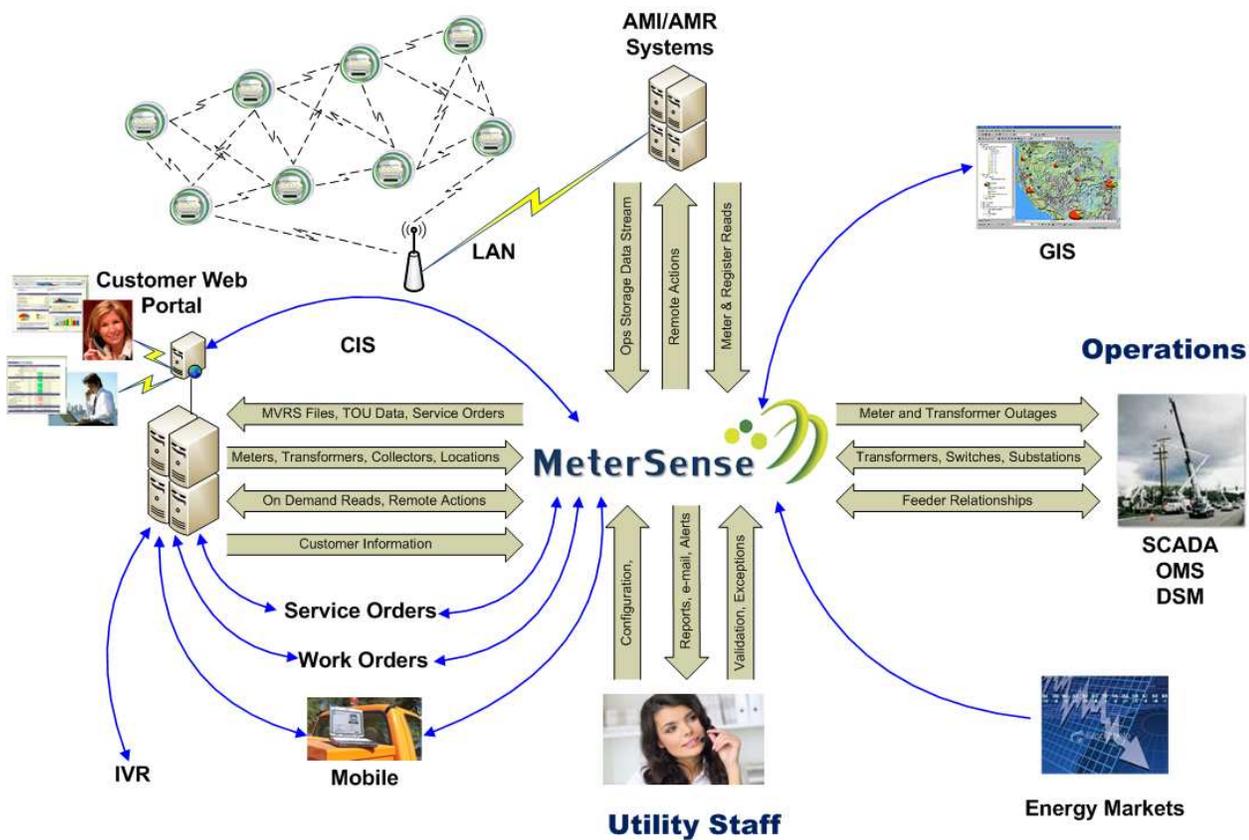
**Implementation & Support** - Harris is a leader in developing, delivering, and supporting complex software solutions for the utility industry with over thirty years experience and one thousand employees throughout North America. We have the people and processes to ensure a successful implementation and ongoing support for what is a critical utility system.

**Scalability** - MeterSense is a scalable tested solution designed to meet the performance and long-term storage requirements, which can quickly reach terabytes, for an average utility.

### Key Benefits

- Conservation program management
- Hosted and non-hosted options

## MeterSense Integration & Data Flow Diagram



For more information or to schedule a presentation please contact the MeterSense team at our corporate headquarters office:

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