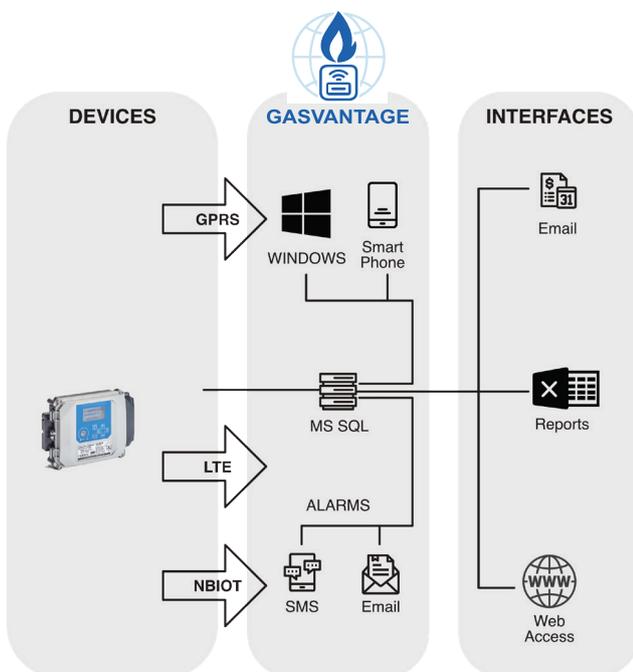# GasVantage

Flexible and Advanced Data Collection

GasVantage has the capability to manage point-to-point (GPRS, PSTN, GSM, etc.) and point to many (PLC via a concentrator) topologies. The data collection process is organized according to the topology and can be simultaneousy supported by the same platform.

GasVantage is very flexible and powerful supporting metering data and event collection in various communication architectures.

GasVantage has been designed to ensure perfect metering communication regardless of the communication technology in pace.

Key Benefits Capabilities

» Multi-vendor, based on open standards
» Quick implementation
» Support for point to point and point to many topologies
» Flexible management of alarms
» Dedicated reporting framework
» Highly scalable, designed to collect data for large AMI deployment
» Versatile, interacts with various communication architectures
» Quick deployment, easy to demonstrate
» Meets security audit requirements
» Support for Oracle and MSQL Server
» Easy extensibility and scalability
» Detailed monitoring of energy consumption
» Design and controls identical with MS Office
» Possible integration with GIS and SCADA systems
» Bidirectional communication with CRM / billing system
» Sending alarms via text and email messages

Connectivity and Standard Compliance

Enabling utilities to anticipate regulatory changes, GasVantage is built on market standards with full support for the major international protocol specifications currently available in the market.

GasVantage architecture allows quick implementation to support Modbus based protocols.

Security

As part of Dresser's global end-to-end security solution, GasVantage Security Manager (SSM) provides support for high level security both for point to point and for point to many topologies managing certificates, WAN payload cyphering, interface with different key management systems, among other features.

Future Proof

Multi-vendor:

GasVantage is a true multi-vendor solution that enables utilities to collect data and manage a wide range of meters from different manufacturers. GasVantage supports devices based on Modbus protocol. Due to its open architecture, GasVantage can easily integrate new Modbus based protocols.

Multi-segment:

Based on each Utility business needs, GasVantage is configurable to highlight the most important aspects of each type of meter, collecting and processing meter data such as load profiles, meter status information, quality data, events and alarms, among others.

Flawless Integration

In any smart grid initiative, flexibility, interoperability and flawless information exchanges are key to successful deployment. Minimizing the cost of ownership, GasVantage is built on openness and flexibility, providing different integration mechanisms, enabling quicker and seamless integration with any enterprise class system based in industry standards (XML, SOA). GasVantage API interface with support for different OnDemand requests and meter commissioning use cases. GasVantage High Volume Readings Export is the primary mechanism to massively export meter readings and events allowing scheduled or 'on the fly' data publication to data warehouses or MDMs.

In addition, GasVantage allows the publication of selective sets of data on ad-hoc or scheduled basis. GasVantage provides flexibility to export data through custom queries, XSLT transformation in-process, multiple options for destinations (FTP, SFTP, email, etc.), among other capabilities.

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