Sensus Demand Response Enabled by OATI webDistribute Load Control

Controlling Peaks with Custom Demand Response Solution

Now, more than ever, it is imperative that we make intelligent decisions about our energy and water consumption. Sensus is leading the way with a new comprehensive demand response solution, webDistribute load control, enabled by OATI. webDistribute enables utilities to control peak energy demand, delivering affordable energy to their consumers. The application allows utilities to create, monitor, schedule and manage DR programs and events to Sensus approved DR/HAN devices. Additionally, it provides a customer DR web portal offering called webSmartView.

With the webDistribute software, utilities can deploy Load Control Modules (LCM) anywhere over the FlexNet™ communications network. Its flexibility accommodates Smart Energy architecture/DRMS MultiSpeak API, utilizing existing DRMS infrastructure. And with more choices, utilities now have the ability to deploy a wide range of ZigBee and FlexNet direct LCMs.

Benefits

- One program with complete set of demand response applications
- One point of contact, no hassling with multiple third party vendors
- More choice in selection of devices
- Communicates seamlessly over existing FlexNet infrastructure, with no additional infrastructure costs
- A future proof system
- Complete end-to-end, fully integrated solution
- Single source for post project support

Approved Devices

Sensus Demand Response enabled by OATI webDistribute offers true two-way communications with a variety of DR/HAN devices:

- HAI Programmable Communicating Thermostats
- HAI in-Home Display
- HAI Load Control Module
- Energate PCT
- Energate IHD
- Energate LCM
- EnTek LCM

Features

Through direct communications with Sensus' RNI and infrastructure, webDistribute Load Control provides utilities with the following core DR capabilities:

Customer and Asset Enrollment
• Comprehensive functionality for enrollment of distributors, their customers and assets into the DR programs.

DR Program Creation and Administration
Providing software tools for creation, customization and administration of DR programs including Time of Use (TOU), Critical Peak Pricing (CPP), and other DR Programs configurable within the OATI webDistribute Load Control Module.

DR Capacity Assessment
• Assessment of the available DR capacity based on the enrolled Asset's capacity. The total DR capacity is forecasted based on enrolled DR Assets and Assets' capacity.

Aggregation
• Allowing the DR assets and programs to be aggregated based on various criteria into dispatchable resources.

DR Scheduling
• Allowing the scheduling of the DR resources and programs by various criteria.

DR Performance Monitoring
• Monitor the current performance of the activated DR schedules.
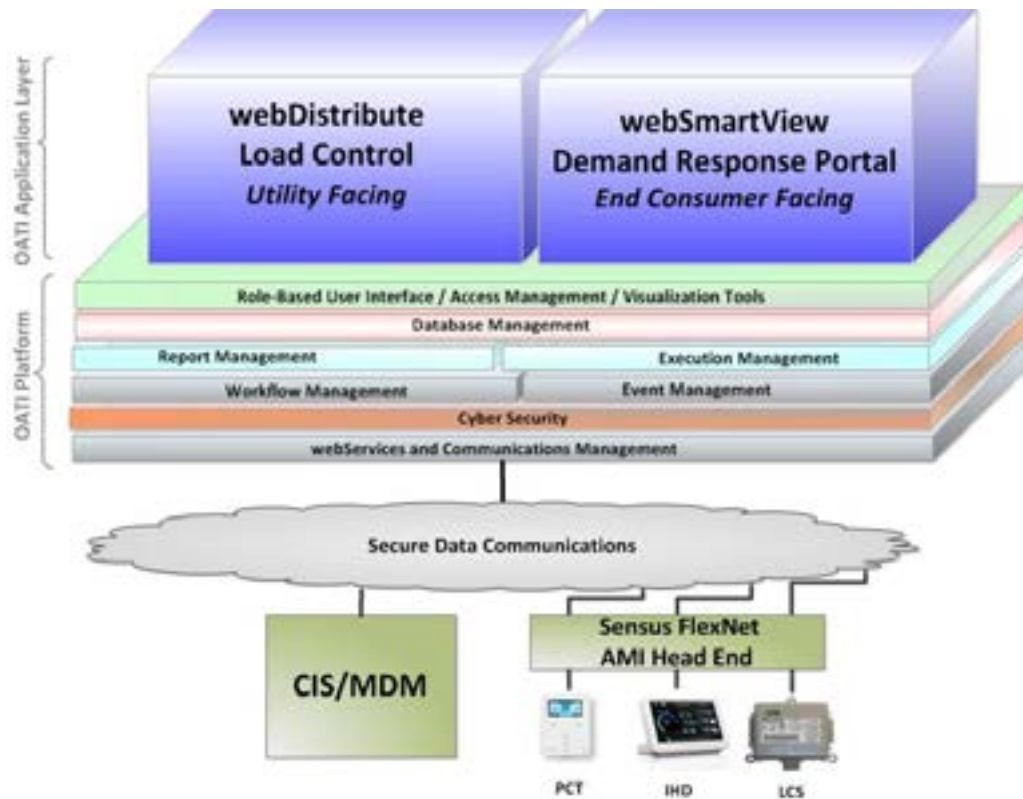
DR Dispatch and Operations Workflow Management
• Managing the various dispatch, control, and communications functions needed for deployment of the DR schedules, communicating with DR customers and assets.

webSmartview DR Portal
• Interactive, web-based user interface functions designed to support various user classes at the utility. The display and data access are securely protected by user role privileges and log-in credentials.

Solution Architecture

Sensus Demand Response enabled by OATI webDistribute Load Control and Sensus FlexNet seamlessly integrate to connect the utility to the end consumers and their valuable demand side assets, allowing for effortless peak energy demand control.

For more information, visit us at sensus.com

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