**Integrated Enterprise Solution for a Smart Grid Future**


The smart grid and its related technology created a paradigm shift in the industry. Consumers now have the option to generate their own power – solar panels on the roof, small wind turbine in the backyard. Smart appliances can be controlled to run based on the price of electricity. Electric vehicles can be used as batteries, thus can sell power back into the grid.

All these changes are creating a new level of complexity for the electric utilities. They still have to supply reliable power to their customers. They still have to manage peak loads and find the optimal dispatch solution. Additionally, they have to offer an attractive package to retain current customers and to sign new ones.

Alstom Grid, the industry leader of energy management and electricity market systems is the only player in the industry who offers a fully integrated Demand Response Management System (DRMS). The award-winning DRBizNet is part of the new generation e-terra3.0 suite of applications.

**DRBizNet** incorporates dynamic resource modeling, optimized dispatch, real-time resource tracking, and state-of-the-art performance evaluation techniques. DRBizNet integrates and automates the exchange of demand response (DR) related data and events across the utility including linking Advanced Metering Infrastructure (AMI), Meter Data Management (MDM), Customer Information System (CIS), weather feeds, multiple load management control systems, SCADA, settlements, and telephony systems.

**Decreased Peak Load and Increased Efficiency**

With DRBizNet, you can schedule demand response resources to reduce peak load or to minimize the impact of distribution and transmission bottlenecks. By automating the dispatch and the collection of response status of DR resources, you get real time feedback on DR performance and can -on-the-fly adjust the solution saving time in critical situations.

**Reduced Deployment Risk**

DRBizNet is a field-proved, standards-based, open-platform DRMS that minimizes your implementation risks. Our solution is used in 27 states by over 250 organizations managing over 10,000 MW of DR from over 1,000,000 end-users, including over 10,000 commercial and industrial (C&I) customers.

**“Future Proof” DR Investment**

You can avoid the risk of being locked into a proprietary technology solution by deploying an independent DRMS that integrates with other technologies through open standards. This way, you also minimize the risk of a stranded infrastructure by using a flexible DR management platform that can evolve with your business plan and technology landscape.

**e-terra3.0 - Demand Response Management System**

The new e-terra3.0 is the most advanced, fully integrated, smart grid-ready suite of products for the 21st Century Grid. e-terra3.0 is developed by the world’s leader of energy management and electricity market systems and THE only player in the industry who offers a full solution from market-to-meter for the new grid. Your Grid. Reinvented.
Simplified and Automatic Operations
With our solution, your operators will have a single command and control interface to all legacy load control systems and future DR systems, which will make not only the DR activities consistent, but will forecast and optimize the dispatch solutions across DR Programs and technologies. Through our embedded Business Process Management engine, we facilitate the automation of key DR Operational activities, and through our standards based APIs we automate and orchestrate the exchange of all DR related information to key utility operations systems.

Visionary Solution for New Retail Programs
As DR programs become more and more popular with residential, commercial, and industrial customers, and as new intelligent devises and technologies are entering the DR market, utilities need a flexible, easy to manage, standards-based system.

DRBizNet is the perfect solution for utilities. A one-stop-shop solution, DRBizNet handles all aspects of demand response management: program creation, marketing program performance tracking, customer enrollment, device installation scheduling, device asset management, work order management of field installation of the DR devices, capacity forecasting, dispatch optimization, event creation, customer event notification, event dispatching, tracking of customers' participation, real-time performance monitoring, measurement and verification of participation, calculating settlements, providing reports, and acting as the system of record for all activities related to DR for residential, commercial, and industrial customers.

Complex Solution for Complex Wholesale Electricity Markets
Wholesale Electricity markets are complex and challenging enough; adding or expanding demand response programs should not create a new burden. DRBizNet's standards-based approach provides efficient execution of business processes for DR management by aggregating and representing DR grouped resources as Virtual Power Plants (VPP’s) to the other market systems. This approach maximizes the DR value proposition to existing wholesale market operations.

DRBizNet manages the full lifecycle of wholesale DR resources including: program creation, resource registration, program enrollment, event notification, performance measurement and verification, and settlement calculations while integrating into existing systems.

OpenADR DRAS
DRBizNet comes with a fully compliant OpenADR Demand Response Automation Server (DRAS) that allows OpenADR-compliant devices to be managed directly. This standards-based protocol allows any device that adheres to the OpenADR standard to leverage all the features and functionality of DRBizNet without any intermediate system such as Load Management System or Automated Meter Infrastructure technology.

Hosted and In-House Deployment
We can help you deploy new DR programs or expand existing ones regardless of the complexity of your requirements. Some utilities prefer to start with pilot projects or prototypes; others, have already defined requirements and outcomes for their large programs. And, each utility has specific Information Technology (IT) needs. Regardless of the complexity or stage of the program and your IT requirements, DRBizNet can be deployed to fit your specific needs. It can be either hosted by Alstom Grid or deployed at your location. This deployment flexibility allows DRBizNet to scale as your DR portfolio grows, while remaining cost-effective and offering enterprise levels of availability.

Customer Benefits
- Single integrated system for direct control of DR resources
- Automated DR processes
- Visualization of DR resource availability
- Easily select and dispatch resources or resource groups
- Ability to pay based upon actual performance
- Scalability, reliability, and cost efficient solution
- A lower cost alternative to new generation
- Provide emergency capacity and improve distribution reliability
- Increased customer satisfaction
- Delay capital investments
- Comply with government regulation