

Olivine DER

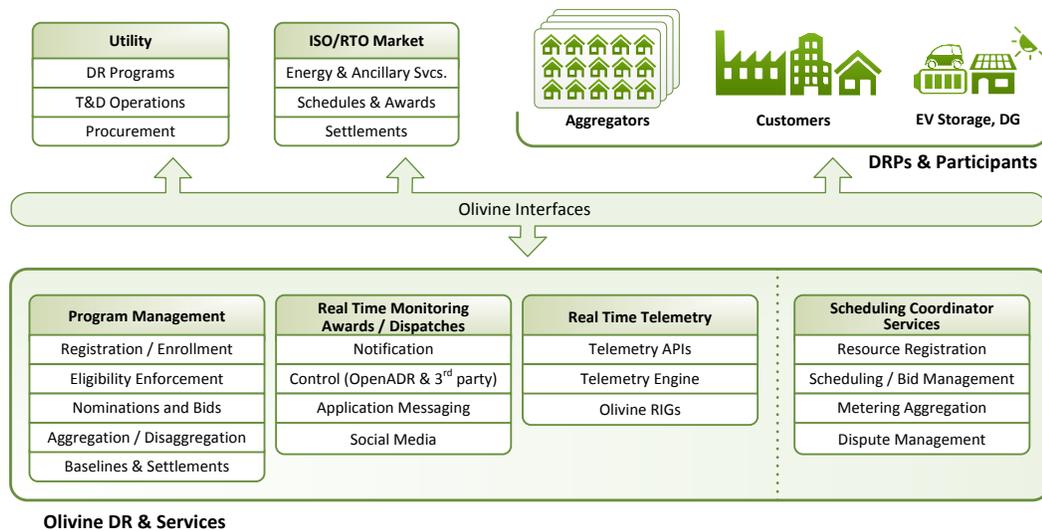
Historically, demand for electricity has continued to rise, while seasonal and daily conditions often cause insufficient supply or high prices. Utilities and grid authorities are trying to stretch the capacity of existing generation and have increasingly looked at demand response as an effective tool.

Olivine DER is a comprehensive demand response management system for utilities, aggregators and multiple-facility energy consumers.

Comprehensive Solution

Demand response involves several distinct actors, all of whom are crucial to the success of a particular DR initiative. Depending on the program, these parties may include utility grid operations and customer programs staff, aggregators and direct-enrolled customers, as well as customers participating as members of an aggregator’s portfolio. For wholesale programs, they may also involve utility procurement and ISO/RTO staff. Each of these parties has different operational, reporting and security needs, as well as different scoping requirements in terms of how data are aggregated.

Most DR management software meets the needs of only a subset of actors involved in demand response, neglecting other parties, or providing them with limited functionality. Olivine DER is a comprehensive solution, offering a rich set of capabilities and information to all involved parties and ensuring that each user has the right tools to maximize the value of the demand response initiative.



Rapid Program Modeling

The wide variety of today’s demand response programs, and factors in which they vary, can make the modeling of DR programs an extremely costly and time consuming exercise. Many of today’s DR management systems were built to manage a particular type of DR program and do not provide rapid

modeling and extensibility tools. As a result, such software is either unable to adapt to new programs, or requires extensive development, testing and integration.

Olivine DER was specifically designed to solve this problem and makes initial implementation and future expansion much easier. Advanced extensibility and rapid modeling capabilities allow our customers to handle new business rules, workflows, settlement tariffs and baseline algorithms with minimal effort.

Enrollment Process and Resource Management

One of the challenges with today's programs is the complexity of participation eligibility criteria, such as hardware installation, multiple-program participation conflicts, form submissions, and approval signatures. Often, these requirements are tracked manually in spreadsheets making the process more difficult.

Olivine DER offers resource management capabilities with support for flexible entity hierarchies and custom attributes to meet diverse and fluctuating business requirements and to track complex eligibility criteria.

Wholesale Market Participation and Integration of Retail Programs

Olivine DER can manage participation in wholesale demand response programs and can link retail and wholesale resources to facilitate enrollment, bid optimization, award tracking, automated dispatch and telemetry aggregation. Features include aggregation of meter data and application of loss factors for upload to the market systems and validation of ISO-calculated baseline and performance data, flagging discrepancies to help initiate settlement disputes. Supported interfaces include resource & registration management, bidding, awards, automated dispatch, meter data, baselines and more. Olivine's Remote Intelligent Gateway (RIG) enables real-time telemetry to integrate demand-side A/S with the wholesale market.

OpenADR 2.0b VTN

Olivine DER is a certified OpenADR 2.0b VTN, able to manage registration, communicate events and receive operational and performance data from field-installed control devices and building management systems, adhering to the OpenADR specification.

Additional Features

Olivine DER offers a multitude of advanced features, such as flexible event targeting (e.g., by pricing node, feeder, circuit, or bid price), automatic versioning of meter data and settlement runs for auditing purposes, multiple-window effective periods for business entities and relationships, sophisticated support for nomination schedules and a state of the art authorization system.

Learn more and schedule a demo by visiting our Web site, or contacting our sales team.

More than software

From program design and consulting services, to active management of program operations, to scheduling coordinator services, to integration and hosting of our software (SaaS), Olivine is more than a software vendor. We are a partner you can rely on to ensure that your demand response initiatives meet your needs and achieve your goals. Contact us to learn more about our services.