ORACLE

Oracle Utility DERMS Solution

Turn uncertainty into flexibility and value with a distributed energy resource management system (DERMS) from Oracle Utilities

Utility DERMS for a new distribution landscape

Distribution energy resource (DER) adoption is leading a growing number of utilities to rethink distribution grid operations and services. A DERMS can ensure that grid reliability and efficiency is preserved as DER penetration increases.

Oracle makes it easy to start the journey with a modular, end-to-end DERMS solution that can be deployed on a standalone basis or bundled with its ADMS.

Value for operators, happy customers for program managers

Oracle Utilities is the only utility DERMS provider that provides exceptional grid control and data management capabilities that covers all types of network devices, DERs and meters and meet the needs of both grid operators and customer program managers alike. As a global provider of utility distribution and customer management systems for over 30 years, only Oracle offers the breadth of solutions for every aspect of the utility value chain.

Deploy in full or in phases to realize value at every stage

What you need from your DERMS will change over time as your utility layers on the different dimensions of DER management, from detection to program enrollment, procurement and optimization. For your DERMS to be valuable over the long term, it must be flexible, scalable and price competitive at every stage.
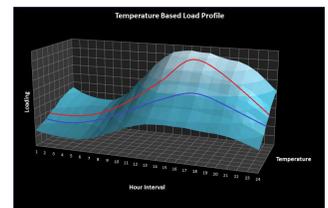
Our DERMS offers the industry's most proven DER modeling feature plus two-stage network/dispatch optimization that doesn't require legacy DMS replacement or huge capital outlays. Available features include:

- **DER modeling**: With several DER profiles to choose from, users can quickly model DER assets within the network model to support Power Flow State Estimation and other ADMS features.

- **DER asset enrollment and provisioning**: for utilities empowered to directly handle DER enrollment, Oracle Utilities offers asset portfolio management solutions to enroll and provisioning DERs at scale.

- **DER scheduling and dispatch**: Whether on a day or hour ahead basis, distribution grid operators can schedule and dispatch nominated DER capacity to realize system reliability and safety benefits.
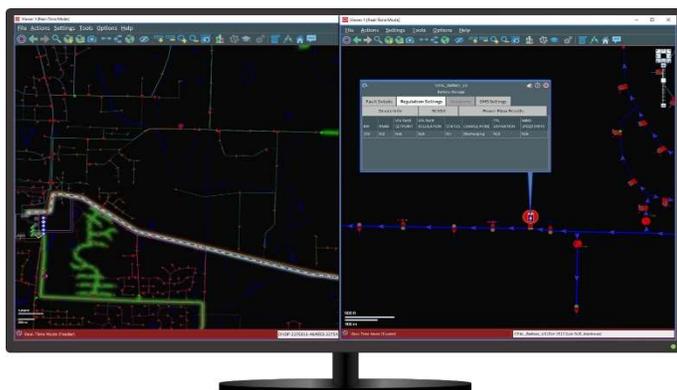
Key benefits

- More efficient distribution grid operations and better reliability

- Improved grid investment allocation and field safety due to DER awareness

- More accurate load predictions for lower procurement costs

- A new pathway for customer engagement and services

- Better customer satisfaction among DER owners

- Recognition for supporting DER adoption

ORACLE

- **Network and portfolio optimization**: Improve DER capacity allocation and dispatch to target DER capacity where it's needed most for system reliability, with optional network optimization for additional efficiency benefits.
- **Active network management**: Regardless of which ADMS you run, grid operators can realize network efficiencies through predefined switching plans activated based on SCADA values and modeled DER capacity.

The hub for your DER management ecosystem

While specially designed to meet utility needs, Oracle Utilities DERMS offers important capabilities that allow utility customers, aggregators and independent producers to enroll DER resources in demand response and reliability service programs to unlock additional value for DER investments and to encourage more optimal allocation of power generation investment. Those capabilities include:

- Flexible, cloud-based integration of customer and third party DERs through the Oracle Integration Cloud, a growing library of standards-based adapters and Oracle Utilities Live Energy Connect, which easily scales to handle tens of thousands of devices
- Market management through the Oracle Utilities Market Transaction Management module
- Customer experience and data management modules for full-service customer program management

With Oracle Utilities DERMS, distribution utilities can be confident of their ability to meet regulatory requirements for

Connect with us

Call +**1.800.ORACLE1** or visit **oracle.com**. Outside North America, find your local office at: **oracle.com/contact**.

blogs.oracle.com   facebook.com/oracle   twitter.com/oracle

market design and open access for third-party software applications run by DER market participants.