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Oracle Utilities Flex SCADA
Visualize and control devices to the grid edge

Oracle Utilities Network Management System comes with embedded SCADA that outperforms the competition in stability, scalability, and flexibility. Oracle Utilities' integrated ADMS/SCADA solution keeps pace with the industry's drive toward converged solution platforms, composable architectures and extreme cybersecurity.

SCADA built for 21st century distribution grids

Distribution grids today are radically different from the grids upon which conventional SCADA technology is based. SCADA architects must not only contend with the proliferation of sensor and distribution automation equipment, but also with a growing array of connected distributed energy resources and EV charging infrastructure. Unlike other SCADA systems, Oracle Utilities Flex SCADA is specially built for modern distribution grids and their growing complexity. With Flex SCADA, you get core SCADA capabilities required across high and low voltage networks, plus the capabilities needed most by distribution system operators, including fast commissioning and optimized alarm management.

Built using a user -centric approach, Flex SCADA provides core features such as Commissioning, Network Viewer, Real-Time Calculation Engine and Alarm and Limits Management. These features are enhanced with additional alarming tools such as Alarm Freezing and Shelving, commissioning tools such as templates and alarm integrations, as well as improved trending and Historian Integration all available. With further new tools to come, Oracle Utilities Flex SCADA will soon complete its evolution into a complete distribution SCADA solution that rivals or exceeds the best in the industry.

Key capabilities:

- Scales quickly
- Commissions easily
- Standalone or integrated with legacy SCADA
- Ultra-reliable stability
- On premise or cloud historian integration
- Flexible data model for asynchronous or non-standard data harmonization
- Smart alarm management

Key Benefits:

- Reduced operating costs through automated data flows and easier integrations
- Flexible implementation over different security zones
- Support for traditional and "smart" devices
- Improve the user experience with "dockable" display within one or more ADMS screens and easy configuration

Related solutions:
- Oracle Utilities Network Management System

Commissioning

Oracle Utilities Flex SCADA offers the scalability, flexibility and speed needed to quickly extend SCADA networks while managing the wide variety of device data types, frequencies, and latencies across communication networks. Our commissioning capability allows SCADA engineers to configure and commission SCADA points with no downtime.

Limits Management

Operational safety and efficiency begin and end with having the right tolerances and limits on your network infrastructure and equipment. With the Limits Management module, operators have real time visibility and automated setpoint change suggestions that can provide essential flexibility in responding to network events.

Make Alarms Work for Your Operators, Not the Other Way Around

Drawing on decades of industry experience, Oracle's SCADA team rearchitected its alarm management system to provide automated grouping of alarms for more efficient prioritization and response. With smarter alarming, utilities will be better positioned to handle adverse impacts to the network by minimizing downtime and improving safety.

Perform thousands of calculations in Real Time

Oracle Utilities Flex SCADA's real time calculation engine allows the evaluation of thousands of measurements every second ensuring that the data needed to support operational procedures is available. With in-built logic to identify invalid and suspect calculations, utilities can be sure the values are not only current but also of good quality. With an easy to use calculation builder that includes many different logical and mathematical operations available with point-and-click implemetation, operators can build and quickly adapt calculations for a single device or apply to a whole class of devices.
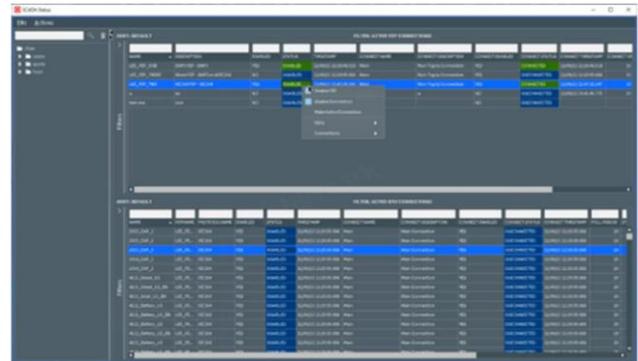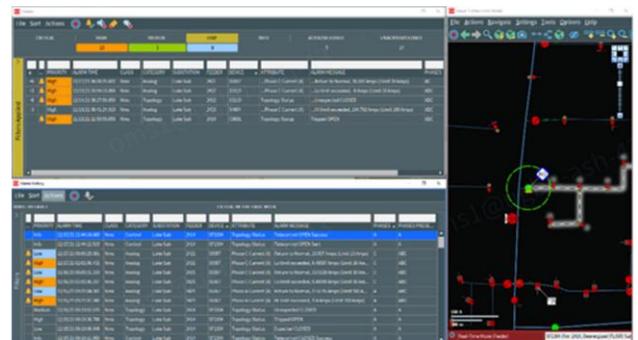

Fig. 1. View and edit devices in the system

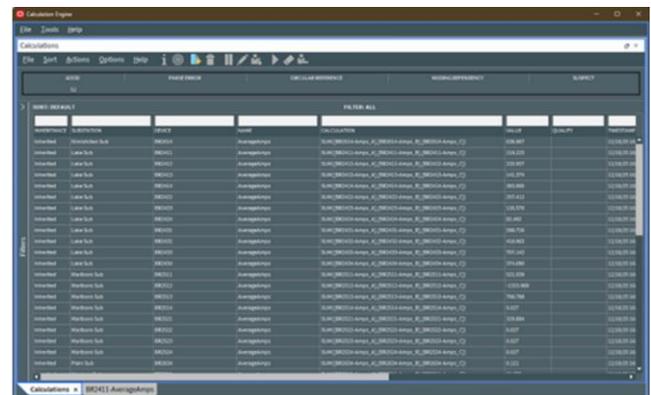*Fig. 2.* Automatically group alarms for more efficient response
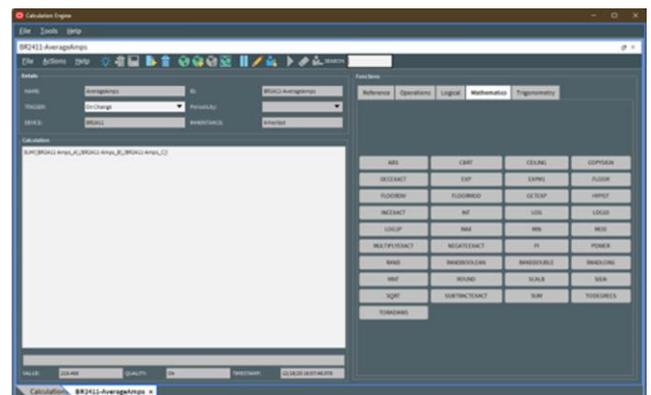

Fig. 3. Perform calculations in real time

Fig. 4. Point-and-click calculation configuration

Performance, reliability, and stability on the latest technology

Built on modern technology by veteran SCADA developers drawn from power system industry giants, Oracle Utilities Flex SCADA is architected to exceed the toughest standards for system stability, reliability, and performance. Flex SCADA runs Oracle Utilities Live Energy Connect, the fastest and most scalable front-end processor and message bus technology in the market today. This allows for superior scalability and performance.

Unlike SCADA technologies developed decades ago, Flex SCADA also takes advantage of the latest integration, replication, security, and disaster protection technologies with pre-built integration with both on premise and cloud-based historian solutions.

A user-centric, "single pane of glass" for your distribution operators

With Flex SCADA, your distribution operators will no longer have to switch between screens to perform routine operations, improving operator efficiency and reducing operational error risks. Moreover, they will enjoy a user experience informed by the latest advanced in user-centric software design, a hallmark of the entire Oracle Utilities software portfolio.

High performance at an exceptional price

We built Flex SCADA from the ground up to be more cost efficient to deploy, commission, modify and expand than conventional SCADA. Stop burning valuable resources on SCADA customization and start reaping the benefits of SCADA specially built for modern distribution grids.

Ready to take your SCADA to the next level? Contact us to schedule a demo.

Connect with us

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