

The background of the slide features a grayscale photograph of a renewable energy landscape. In the foreground, there is a large array of solar panels. In the background, several wind turbines are visible on a hill. The entire image is overlaid with a network of white geometric lines forming triangles and polygons. A large teal-colored triangle is positioned in the upper left corner, containing the text 'SurvalentONE' and 'DERMS'.

SurvalentONE

DERMS

Manage and optimize distributed energy resources with real-time visibility, seamless ADMS integration, and scalable control.

Survalent.

Utiliverse™ ecosystem

Intelligent, responsive management of distributed energy resources starts here.

SurvalentONE DERMS is a robust, comprehensive solution that optimizes the performance of DERs and integrates seamlessly with ADMS to support coordinated grid operations. This ensures highly intelligent, responsive, and optimized DER and energy management while enabling advanced grid services.

With SurvalentONE DERMS, you can effectively and efficiently manage the relentless disruptions to the modern electric grid and maximize grid reliability and resilience, while factoring in existing and potential grid constraints.

As the adoption of DERs across North America's electric grid grows and matures, utilities are witnessing an urgent need for a unified, high-performance, intelligent grid management solution that:

- Enables real-time monitoring and analysis of data
- Simplifies and optimizes energy management to fast-track time to value
- Overcomes the challenges posed by the emergence of DERs, such as variable and intermittent supply, reverse power flow, and voltage violations
- Facilitates more control over an increasingly uncertain energy future
- Effectively manages the challenges of climate change and enables a shift to more digitalized, decentralized, and decarbonized models
- Mitigates risk and ensures compliance with rapidly emerging regulatory requirements
- Supports the transition from the traditional role of Distribution Network Operator (DNO) to a more holistic role of Distribution System Operator (DSO)

Designed and built for the modern utility, SurvalentONE DERMS enables flexible and effective management of renewable energy assets – regardless of scale. It comes with the following core capabilities.

Monitoring

SurvalentONE DERMS enables quick, easy system access to all field devices, providing you with perfectly transparent “pane of glass” visibility while coordinating, supervising, and optimizing DER assets. Rich data views draw from multiple sources so you can quickly identify trends and patterns, while aggregated and disaggregated views with highlighted key metrics enable you to analyze the performance of individual or clustered DER assets, aggregators, and charging management systems. With real-time dashboards and robust visualization capabilities, you can gain a granular understanding of asset performance and energy transactions – planned vs executed, or current vs potential.

Control

With SurvalentONE DERMS, you have an intuitive system that provides highly customizable and holistic control over DER assets. As a result, you can acquire as granular or high-level an understanding as required to make data-backed, intelligent decisions. In addition, enhanced asset and network modeling capabilities allow you to understand the control response of DER assets and their impact on the distribution system – ensuring full control over the grid.

Reporting

SurvalentONE DERMS provides highly relevant, accurate, and insightful reporting options. It can group asset data, generation capacities, and services at the feeder, distribution transformer, or substation level – allowing for highly granular and flexible reporting and system analysis. This enables you to monitor the performance of individual and/or grouped assets to inform better decisions while ensuring technical compliance with equipment protection and interconnection settings.

Planning and Optimization

With SurvalentONE DERMS, you can achieve highly advanced, nuanced orchestration, planning, and optimization of renewable energy assets. You can cluster assets within the network model down to the distribution transformer level to optimize asset participation in demand response and ancillary services. As a result, you benefit from optimal planning, dispatch, and orchestration of DER assets. You can also group these functionalities by phase, network area, substation feeder, or distribution transformer. With flexible scheduling options, you can schedule DER assets for the next 15 minutes, hourly, daily, or day ahead– ensuring optimal operation at all times. What’s more, real-time, historical, or simulation scripts help operators assess “what if” scenarios – even before assets are in production.

Benefits

- Optimize Variable Energy Generation – Harness the full potential of renewable energy sources without compromising grid stability.
- Implement a Single, Scalable Solution For Advanced Grid Management – Maximize power supply, balance load, and forecast demand, all while ensuring grid reliability and enabling long-term sustainability.
- Enhance Demand Response – Leverage effective and coordinated integration of diverse energy resources with real-time and near-real-time grid status monitoring to identify and execute demand response scenarios, allowing you to optimize energy use and balance supply with demand.
- Drive Improved Grid Reliability– Seamlessly integrate your ADMS and DERMS to efficiently manage distributed energy resources, enhance grid stability, reliability, and resiliency, and improve overall system performance.

Better Software. Better Decisions.

With Survalent, you can control your critical network operations with confidence. We're the most trusted provider of advanced distribution management systems (ADMS) and substation automation for electric, water/wastewater, oil & gas, renewable energy, and transit utilities across the globe.

Over 800 utilities in 40 countries rely on the SurvalentONE platform to effectively operate, monitor, analyze, restore, and optimize operations. By supporting critical utility operations with a fully integrated solution, our customers have significantly improved operational efficiencies, customer satisfaction and network reliability. Our comprehensive substation automation solution, Survalent StationCentral, delivers advanced control and monitoring for enhanced network performance and protection.

Our unwavering commitment to excellence and to our customers has been the key to our success for over 60 years.

100% Project Delivery. We Guarantee It. Ask Us How.

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