SurvalentONE

Operator Training Simulator

A comprehensive offline learning environment for operator training

Survalent.

Survalent.

Increase the effectiveness and effeciency of your operators

A control room operator requires significant knowledge, training, and experience to be effective. But the complexity of modern power systems and high cost of service interruptions makes on-the-job training impractical and risky.

The Operator Training Simulator (OTS) is a comprehensive learning environment for SurvalentONE ADMS. It allows utilities to develop highly proficient operators while maintaining the integrity and efficiency of their grid. As it is completely separate from the production system, there is no risk of disrupting regular operations.

Create a Realistic, Risk-Free Environment

Instead of referencing the production database, OTS redirects SurvalentONE applications to an offline database, or study, created by the instructor for training purposes.

A study is a snapshot of the production database at a time of particular interest — such as immediately before or after a damaging storm. A copy of the database can also be resaved as new study and then modified to simulate different network states for other training sessions. Multiple studies can be saved on the OTS and the user can choose which study to load at any time through the OTS Control Panel.

Whenever SmartVU, Survalent Explorer, or the ADMS Manager are linked to the OTS instead of the production system, a distinctive yellow warning bar appears at the top of each associated window; this reminds the user that SurvalentONE is in offline mode.

To help instructors present dynamic training scenarios, the OTS comes with a tool for preparing detailed scripts that simulate changes in the utility network. For example, an instructor can write one script to model phone calls that would come into the system during a storm and another to simulate a FLISR event.

The instructor can also select either a study or several scripts to simulate a complex operating scenario, that can be run by OTS as part of an advanced training session.

With Survalent's optional Data Forwarding, instructors can keep the OTS in sync with the production system, allowing them to quickly deploy training scenarios built around current operating conditions.

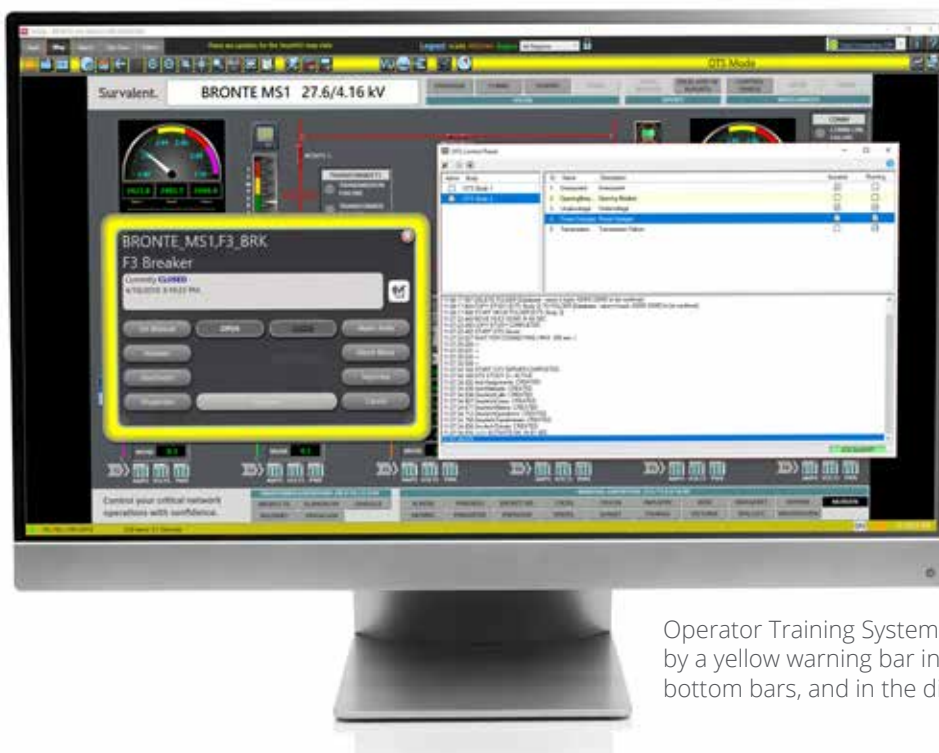## Ensure More Proficient Control Room Operators

The OTS gives operators the freedom to learn by doing—to experiment and thereby gain a solid understanding of SurvalentONE ADMS before logging into the production system. For example, operators can use the OTS to familiarize themselves with switch orders by noting which line sections are energized or de-energized in the geographic view after an order is carried out. The OTS can also be used to simulate outage events and customer calls, allowing operators to observe outage scenarios in realistic situations and learn how to respond appropriately to each scenario. Similarly, operators can use it to study how a planned FLISR implementation responds to events simulated in the OTS before any switching solutions are implemented in the production system.

Benefits

- Risk-free, offline operator training
- More confident, knowledgeable operators who will make better decisions
- Reduced risk of operator error and network disruption

Key Features

- Realistic simulation of SurvalentONE ADMS applications
- OTS control panel for instructors
- Ability to initiate a training session on any SurvalentONE workstation
- Unlimited number of offline training databases or studies
- Built-in script editor for simulating sequences of network events
- Simultaneous execution of multiple scripts for more detailed, realistic simulations
- Offline OTS mode in SmartVU, Survalent Explorer, and ADMS Manager is indicated by a prominent yellow warning bar
- Optional Data Forwarding application allows you to synchronize the OTS with the production system, so that users can simulate events based on the network's current status

Operator Training System mode is indicated by a yellow warning bar in the top and bottom bars, and in the display window.

Control your critical network operations with confidence

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

Over 600 utilities in 30 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. The company's 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.

"The Survalent system has allowed us to react faster and get resources moving in the right direction to restore power sooner."

- Consolidated Electric Cooperative Inc.

Survalent.

info@survalent.com · survalent.com · 905-826-5000