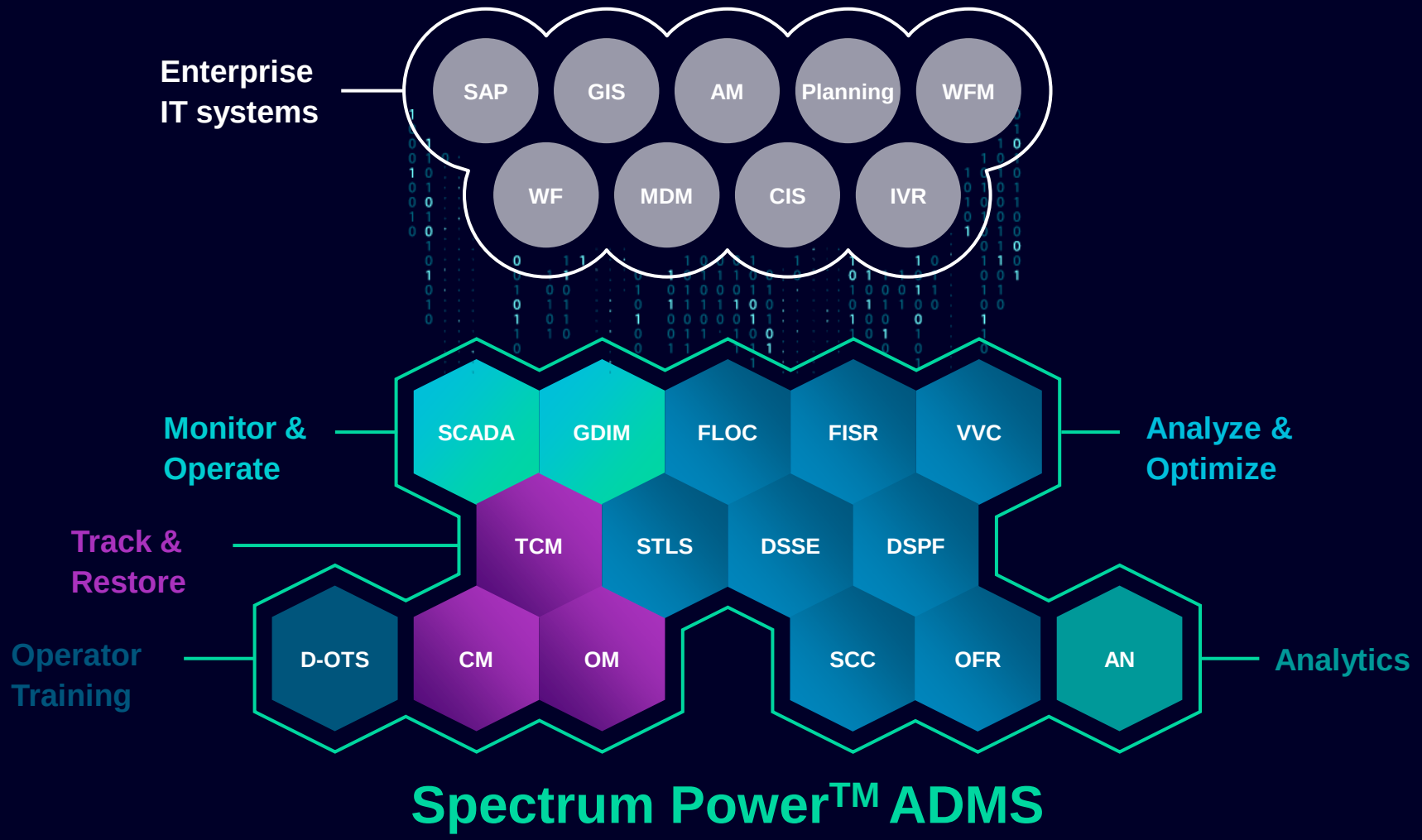
Spectrum Power™ ADMS
Service-Oriented Architecture (SOA) and a powerful set of application

Click on the sections for more details



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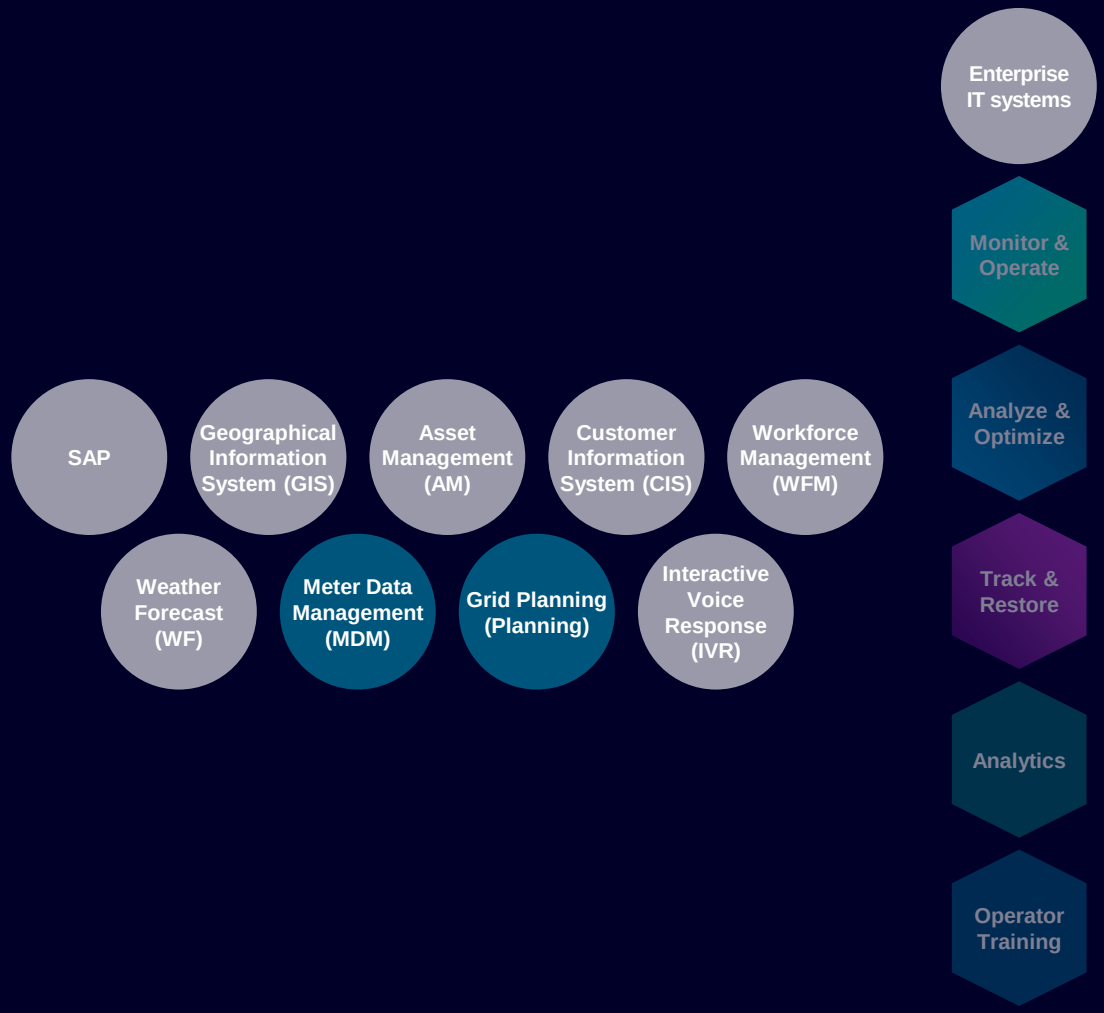
Enterprise IT systems



Easy enterprise integration – Full security support

Open architecture – easy interoperability with any enterprise IT

- Siemens Adapter Framework (SAF)
- Proven SOA and web service capabilities
- CIM (IEC 61968) compatibility

Seamless integration – from planning to operation to Meter Data Management with the tools from Siemens

- Grid Planning = PSS®SINCAL simulation tools for the planning, design, and operation of power distribution networks (Planning)
- Meter Data Management = EnergyIP MDM for flexible, accurate billing and meter-to-cash management (MDM)

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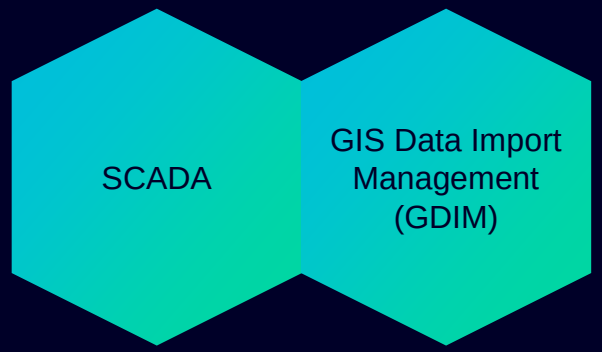
Monitor and Operate



Better situational awareness and reaction times

The SCADA functionality comprises everything you need for monitoring, alarming, measuring, calculating, or controlling power systems.

- SCADA enables full support for single- and three-phase distribution networks – from HV to LV
- 2D/3D geospatial/schematic user interface
- Integrated substation/feeder auto displays
- GIS as distribution network definition source master
- Extended tracing, including for outages and trouble calls (single-phase and three-phase distribution networks)

In this way, you have a complete overview of and control over your network.

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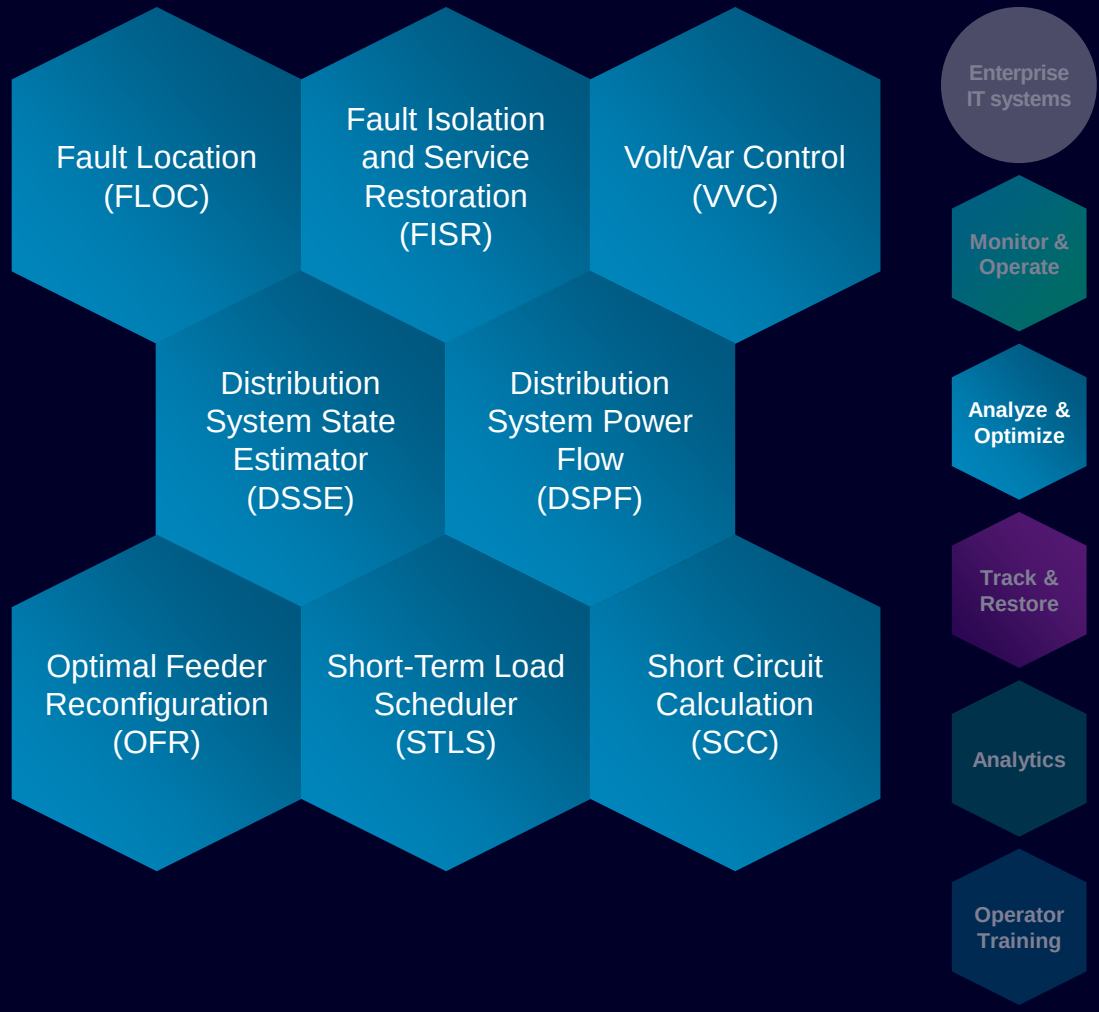
Analyze and Optimize

Overview



Higher efficiency and reliability

- Real-time assessment of network status for instant identification of equipment overloads, voltage limit violations, losses, loops, parallels, etc.
- Ability to evaluate and optimally select network control actions
- Improved fault location process, including coordination with field crews, and accelerated restoration of service
- Improved field crew safety and reduced service interruptions

Reduce network loading at peak times and increase network efficiency and reliability.

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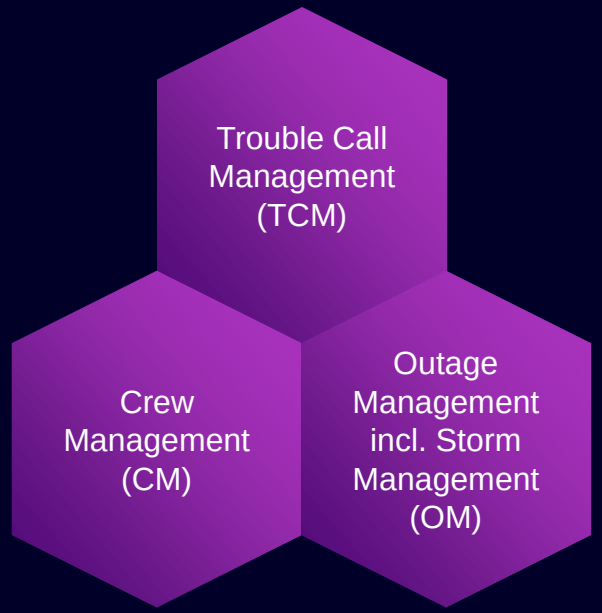
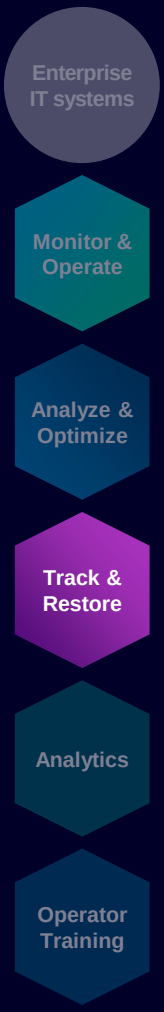
Track and Restore

Overview





Faster detection and resolution of outages

- Real-time update of probable fault location
- Internal and external data for outage prediction and resolution
- Optimal crew proposal
- Automatic calculation of performance indicators
- Visualization of outages, crews, and calls on maps
- Integration with mobile field devices

Proactively and safely guide operators when needed most, for instance during storms and outage restoration activities.

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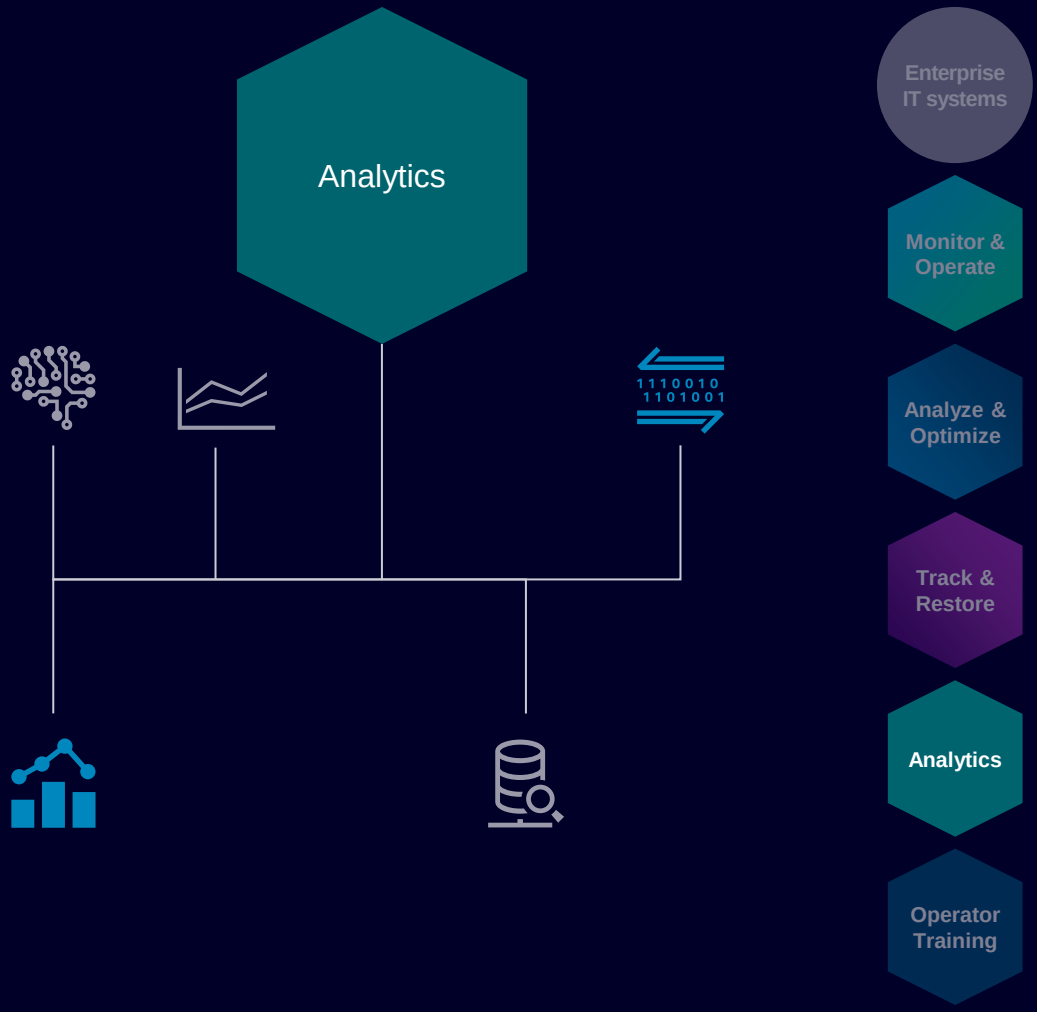
Analytics



The future lies in data analytics

By using data analytics on network and SCADA data, it is possible to create additional value with already existing data and to pave the way for further optimizations in asset management, network planning and maintenance.

- Identification of imbalanced feeders in the network to improve network stability and prevent reduced lifetime of assets
- Identification of sensors with anomalies that indicate misconfigurations or suboptimal condition of ventilator and SF6 systems
- Improvement in asset management procedures with load, asset network importance, and other KPIs from SCADA
- Combine SCADA data with weather data to improve load forecasts

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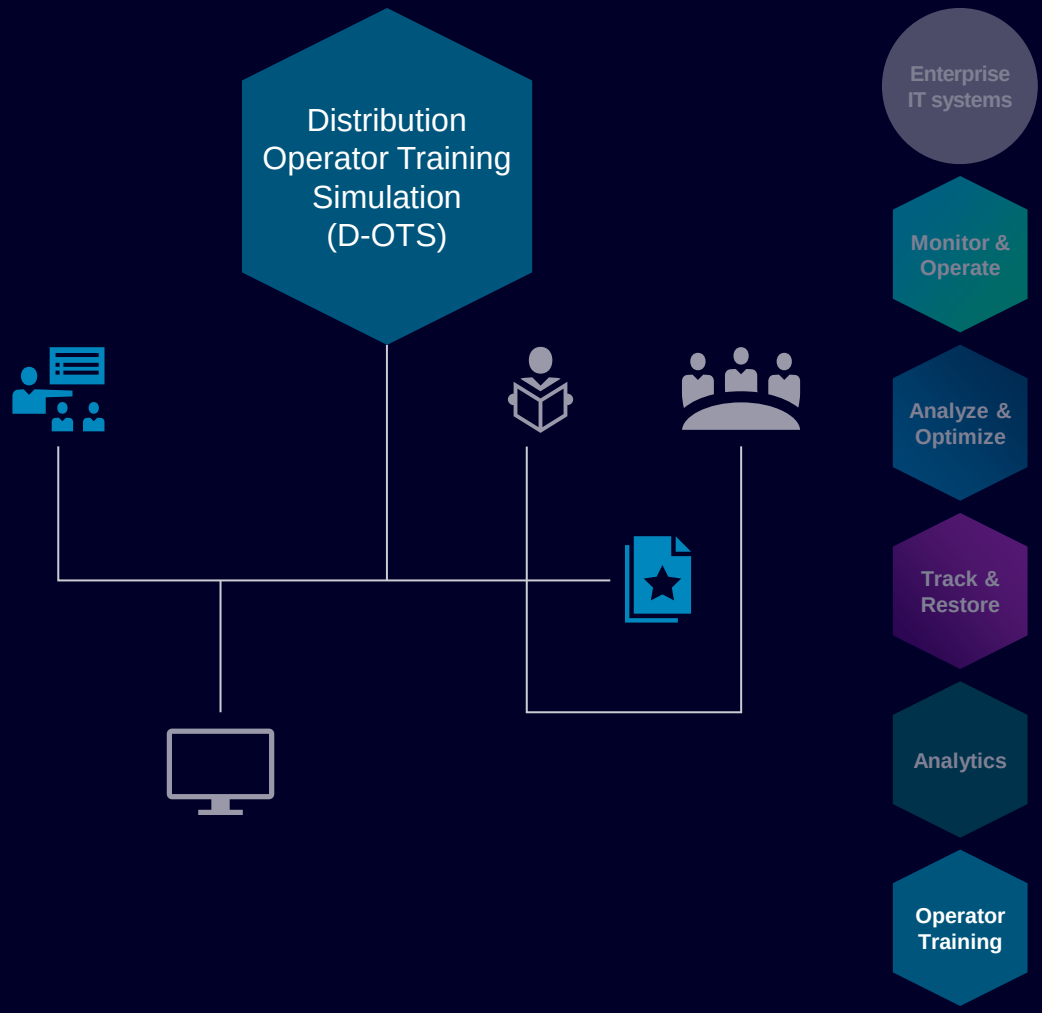
Operator Training



Be prepared for critical grid situations with realistic operator training

The Spectrum Power™ Distribution System Operator Training Simulator (D-OTS) provides tools to set up training sessions for distribution operators and dispatchers in an offline environment under near real-life circumstances.

It can be used to train grid operators on a variety of system operations:

- Daily system operation
- Emergency situation
- System restoration

Training scenarios can be derived from the archive, such as from real emergency scenarios in the past or newly designed by the trainer, stored to repeatedly test the same scenario with the same or a different group of people.

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