

Boreas Network Inventory: Clear Network Visibility and Control

A comprehensive solution delivering automated discovery, accurate inventory management, and actionable analytics to streamline telecom operations.



About Globberry

Founded in 2014, Globberry has established a solid presence across North America and EMEA. Recognized by telecom leaders such as Red Hat, Ericsson, and NEC, Globberry consistently delivers carrier-grade telecom solutions. Our deep domain expertise spans wireless and wireline telecommunications (3G, 4G, 5G), radio networks, OSS/BSS integration, and advanced telecom network management.

Network Inventory Challenges

Telecom providers face significant operational hurdles with traditional network inventory management methods:

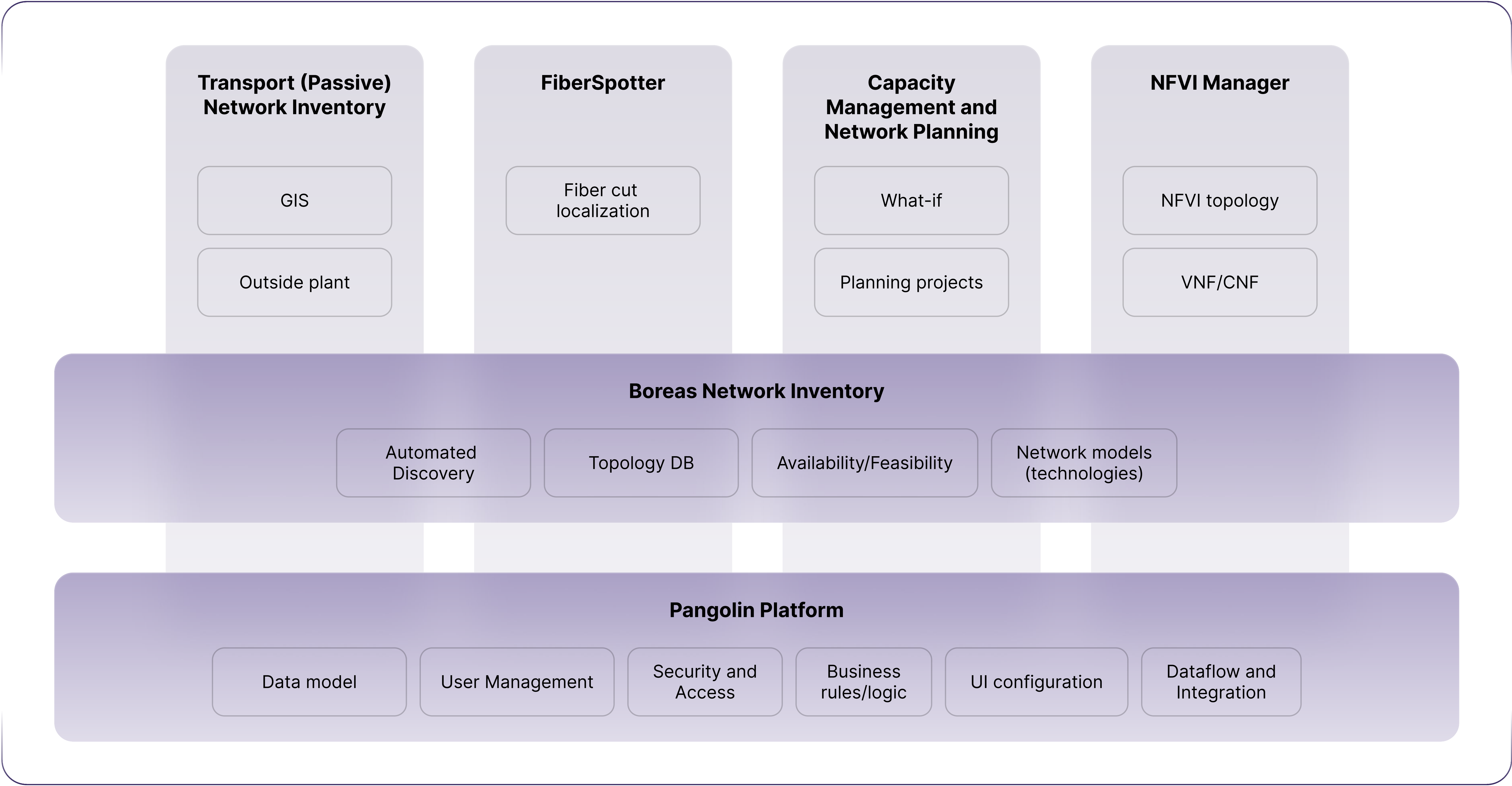
- Manual processes prone to errors and inefficiencies
- Poor visibility resulting in increased downtime
- Fragmented or inaccurate real-time data hindering decision-making
- Higher operational costs due to complexity

Globberry's Boreas Network Inventory resolves these challenges, transforming inventory management into a streamlined, efficient process.



Boreas Network Inventory

Built upon Globberry's Pangolin platform, Boreas Network Inventory provides a strong and highly flexible solution for telecom operators. Our Network Inventory solution delivers real-time automatic discovery, precise inventory management, and insightful analytics through an intuitive, customizable interface. Based on Pangolin's powerful data modeling, integration capabilities, and user interface customization, Network Inventory Solution adapts seamlessly to diverse operational requirements.



Key Benefits of Boreas Network Inventory

01

Automatic Discovery & Updates

Automatically detects and updates network element data, reducing manual effort and potential errors.

02

Complete Network Visibility

Establishes a unified source of truth for all infrastructure data, enhancing operational support systems (OSS) and ensuring accurate, timely deployments.

03

Real-Time Inventory Accuracy

Maintains precise, up-to-date inventory records, drastically reducing downtime and speeding up fault resolution.

04

Clear & Actionable Analytics

Proactively monitors capacity trends and infrastructure performance, enabling strategic decision-making.

05

Flexible Multi-Vendor Integration

Easily integrates into multi-vendor environments and existing management systems, ensuring compatibility and continuity.

06

Cost Efficiency

Streamlines inventory and network management processes, significantly lowering operational expenses.

Advanced Technical Capabilities

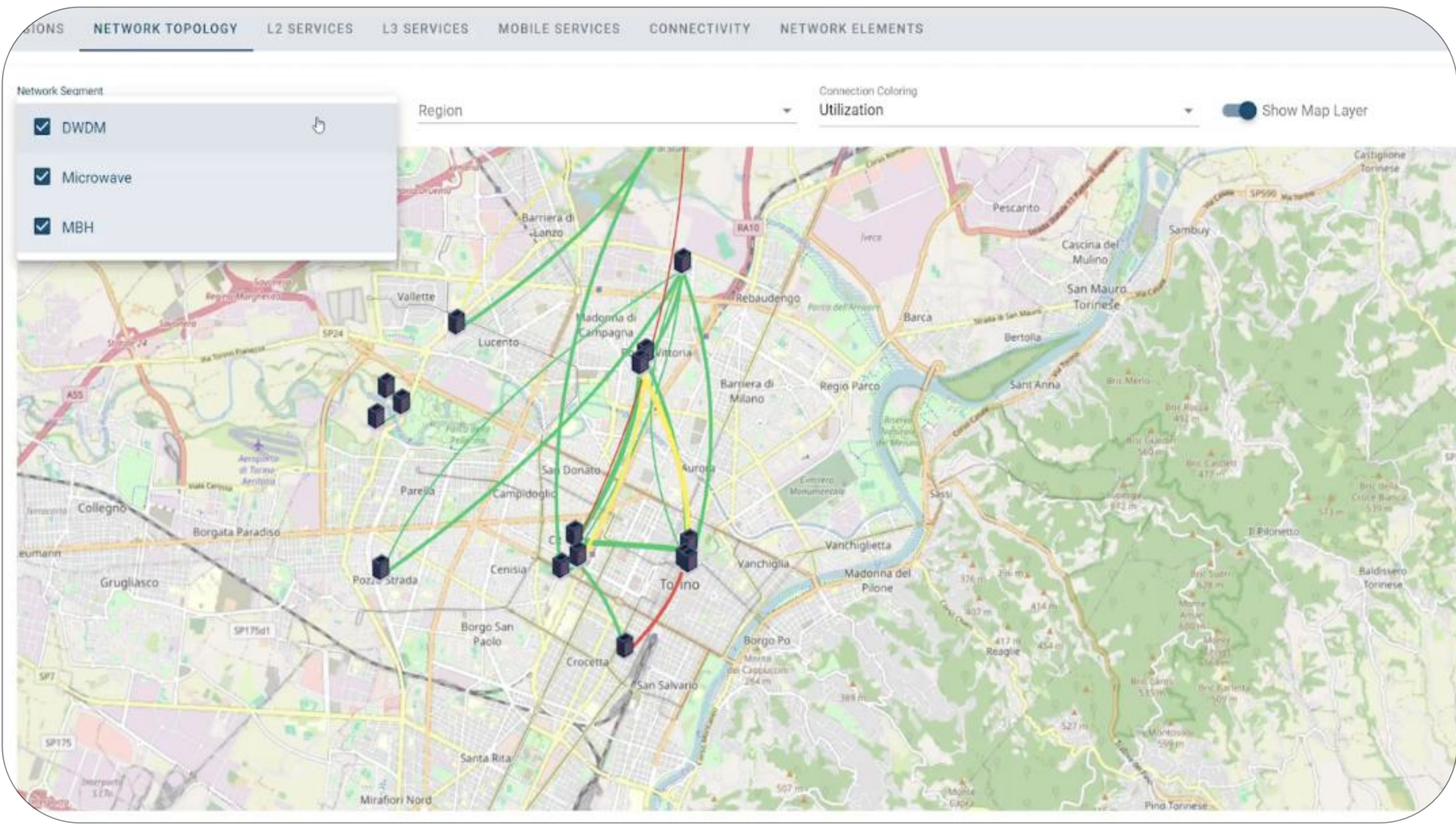
Intelligent Automatic Discovery:

- Uses Apache Nifi to systematically collect, validate, and integrate network data.
- Provides built-in adapters for leading vendors, enabling rapid and accurate device integration.

DISCOVERY			
DISCOVERY CONFIGURATION		DISCOVERY LOG	
name	Configuration	Session Start ↓	Session End
name	Select value	Choose Date	Choose Date
Discovery Session Demo Endpoint	Demo Endpoint	06.08.2024 12:55:00	06.08.2024 14:55:02
Discovery Session ILI PRO	Test SNMP	06.08.2024 09:00:00	06.08.2024 09:00:07
Discovery Session ILI KOT		05.04.2024 03:00:00	05.04.2024 03:00:10
Discovery Session TUZ GLH		05.04.2024 03:00:00	05.04.2024 03:00:08

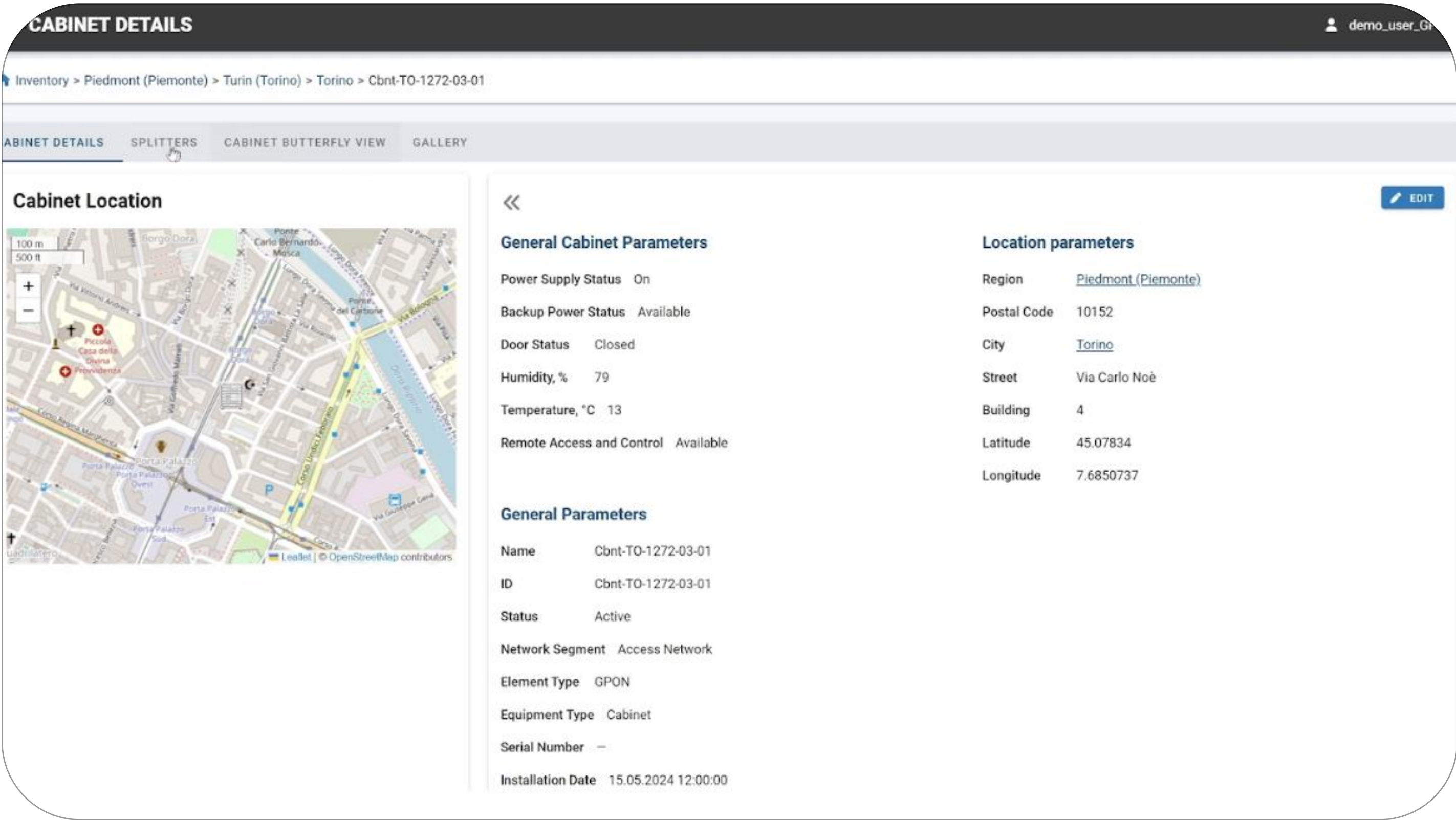
Flexible Network Visualization:

- Clearly represents complex networks, supporting physical and logical topology views.
- Facilitates intuitive understanding through interactive graphical and tabular formats.



Comprehensive Data Modeling:

- Adapts easily to diverse telecom technologies, including DWDM, IP/MPLS, Microwave, and more.
- Passive network inventory
- Site management
- Customizable templates and adaptable entity definitions simplify modeling and documentation of network elements.



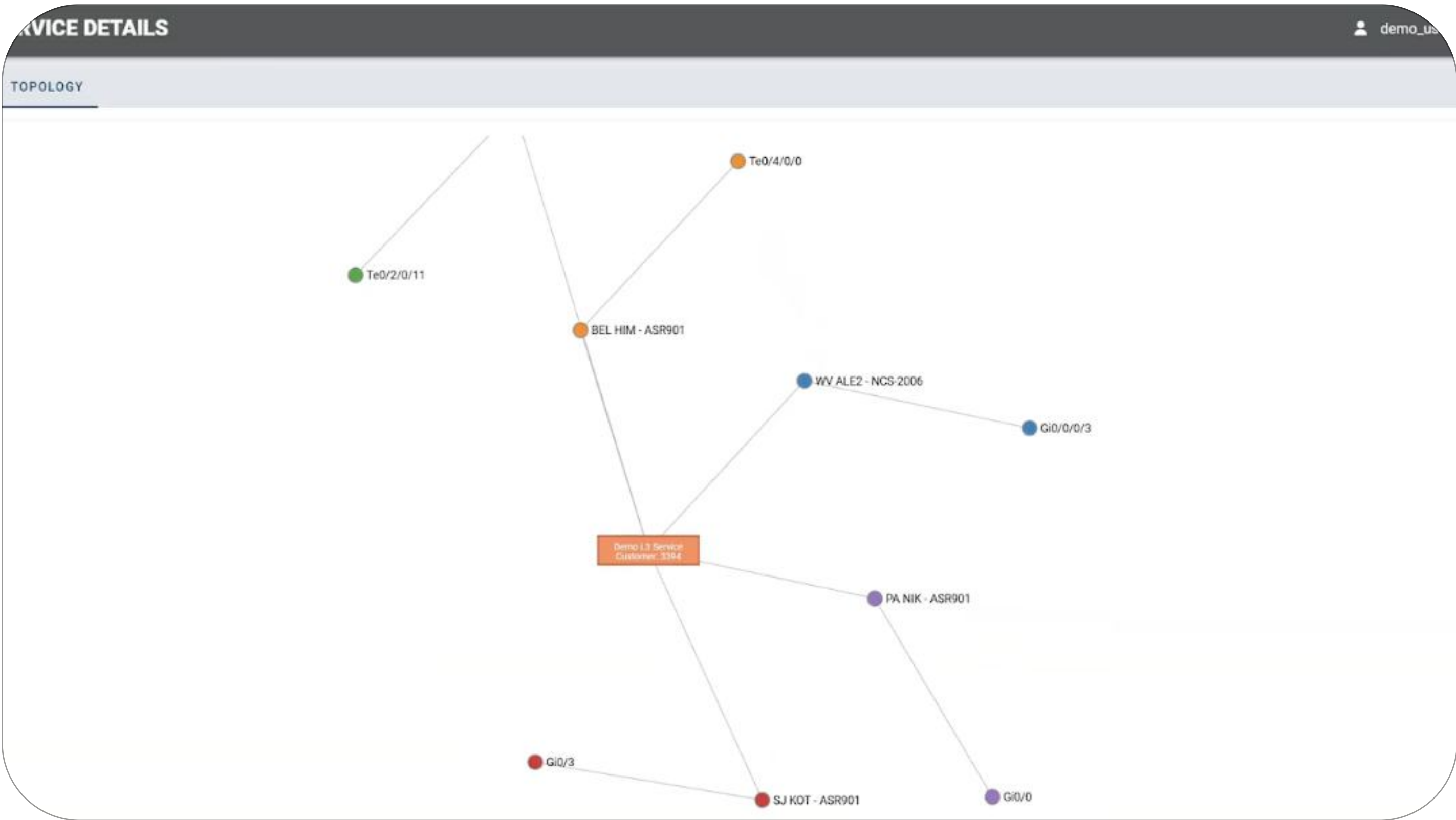
Customizable Dashboards & Real-Time Alerts:

- Tailored dashboards display essential KPIs and network health at a glance.
- Configurable alerts and notifications trigger proactive network management actions.



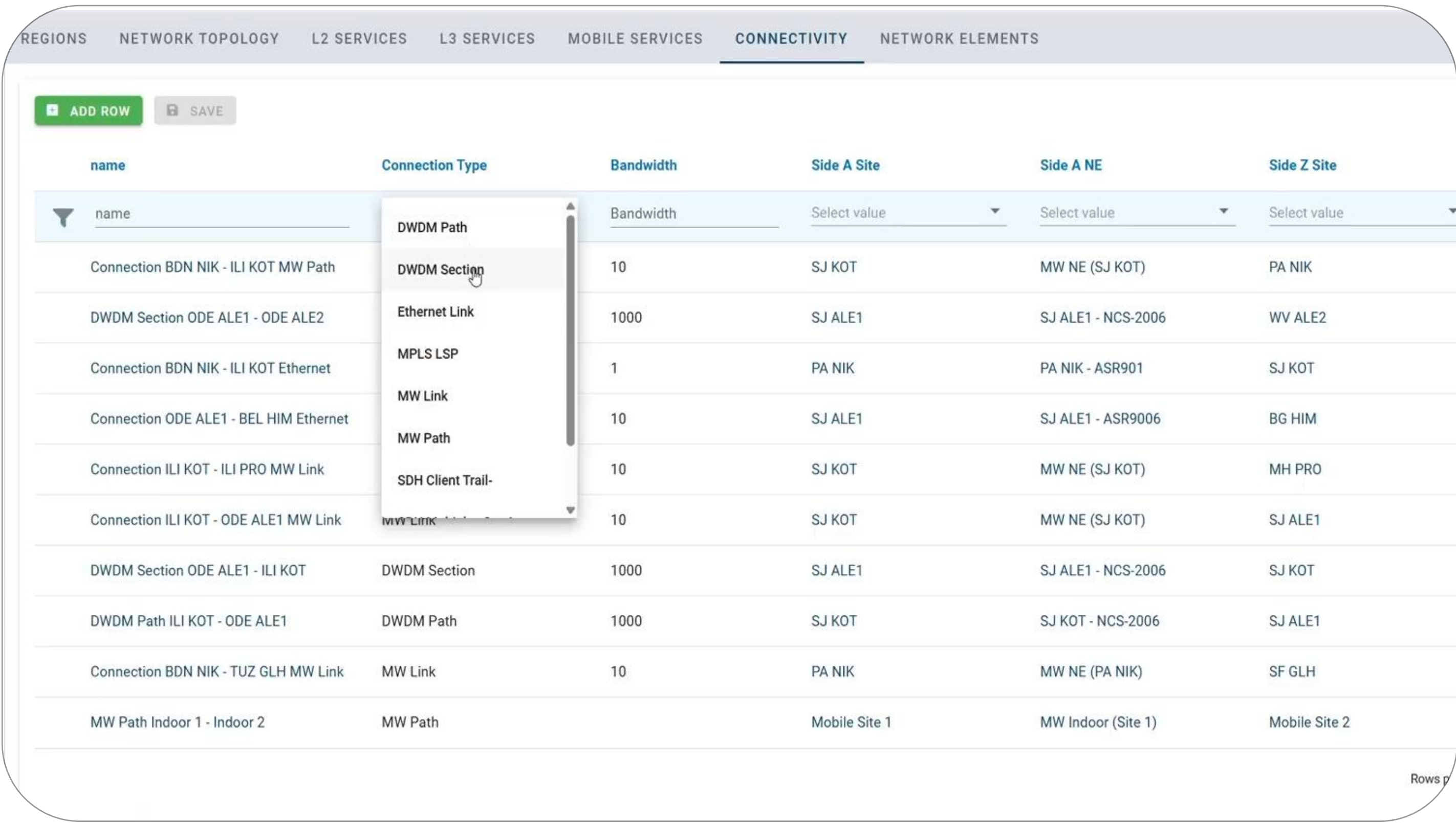
Detailed Service Mapping:

- Accurately maps logical services (e.g., VLAN, L3VPN, VPLS, EVPN) to physical network elements.
- Interactive visualization of service topologies simplifies service management.



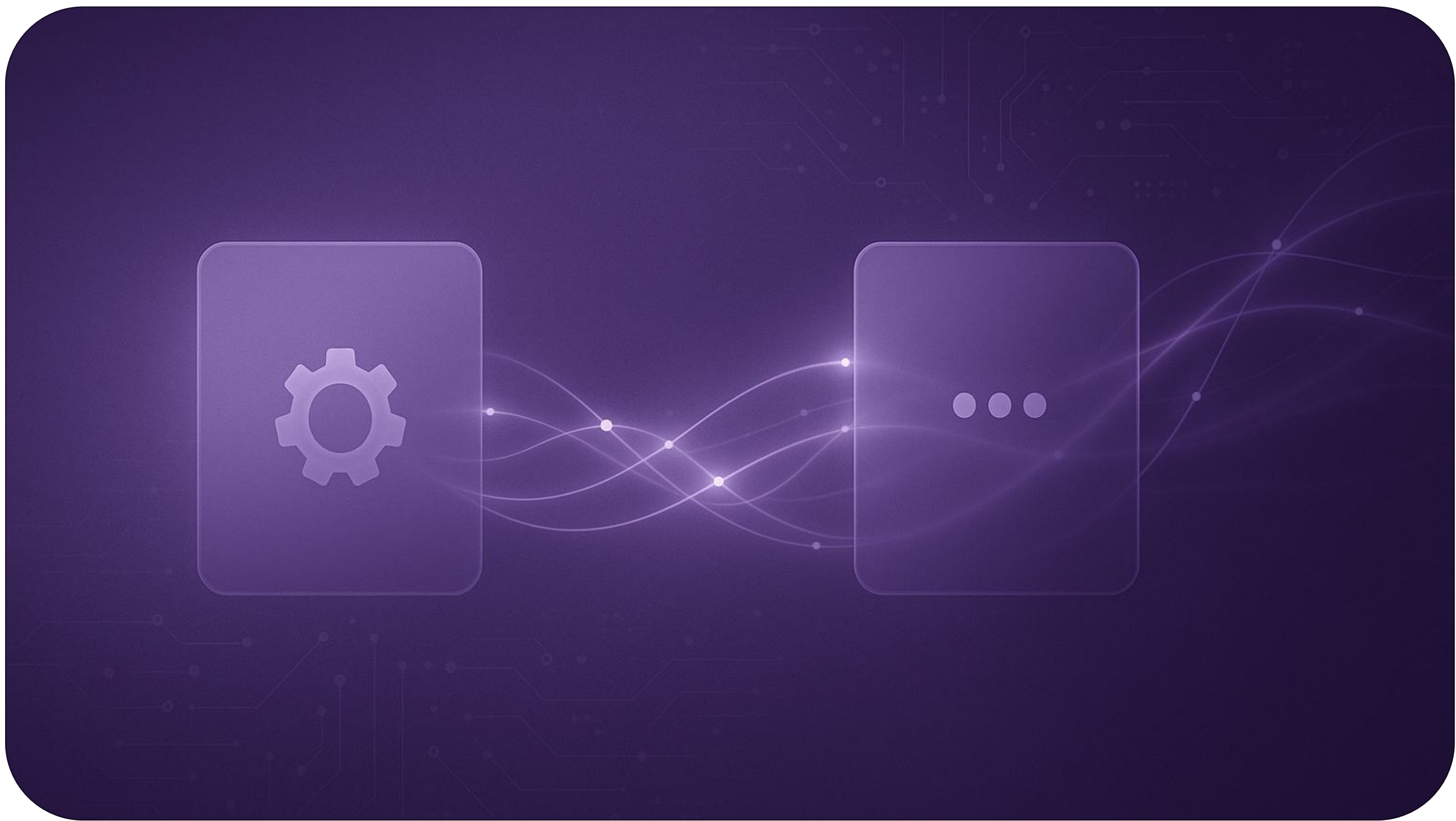
Comprehensive Reporting Capabilities:

- Provides scheduled, ad-hoc, and templated reports in various formats (Excel, PDF, DOCX).
- Ensures detailed insights and simplified reporting processes.



Efficient Provisioning & Resource Management:

- Enables streamlined resource reservations integrated directly with customer Business Support Systems (BSS)



Practical Use Cases

Primary Network Inventory System

- Operate Network Inventory Solution as your primary inventory management system, ensuring maximum control and clear visibility of your entire telecom infrastructure.

Integrated Inventory Solution

- Seamlessly integrate it with existing network management solutions to boost infrastructure management capabilities and extend the functionality of legacy systems.

Specialized Inventory Solutions

- Passive Optical Network Infrastructure Inventory
- Comprehensive Site Management
- Detailed Asset Management
- Efficient equipment lifecycle tracking
- Enhanced infrastructure audit and compliance management

Network Inventory Suite

Explore additional specialized telecom solutions leveraging Boreas Network Inventory:

FiberSpotter

Efficient fiber-cut localization and proactive network management.

NFVI

Advanced management of network function virtualization infrastructure.

Capacity Management

Accurate forecasting and optimized resource allocation.

Network Planning

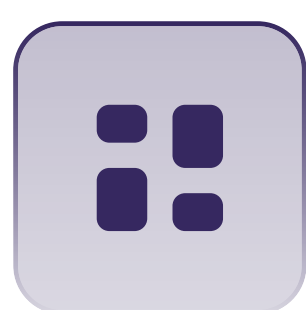
Strategic planning and effective management of network growth and evolution.

Professional Support & Services



Consulting

Expert assessment of existing systems, with customized recommendations and strategic integration planning.



Implementation

Comprehensive deployment services, covering solution design, integration, testing, and data migration.



Continuous Support

Dedicated 24/7 operations and details-oriented second-level support to maintain uninterrupted operational excellence.



Training Services

In-depth training for teams to maximize the benefits of Boreas Network Inventory Solution.

Case Study: Major Middle East Telecom Provider

Profile:

- Leading telecom operator in the Middle East, servicing over 150 million subscribers across multiple countries.

Challenges:

- Inefficient manual reporting and lack of centralized NFV infrastructure visibility.
- Complex and fragmented data environments across multiple data centers.
- Difficulty managing resource utilization effectively.

Results:

- Automated and unified view of NFVI resources.
- Single point of truth achieved through real-time automatic discovery.
- Enhanced decision-making capabilities via accurate data and process automation.
- Automated capacity expansion triggered by usage thresholds and utilization trends.
- Significant reduction in reporting errors and operational overhead.
- Improved infrastructure utilization and optimized resource allocation.



Trusted by Industry Leaders

Globberry is trusted by global telecom leaders including Vodafone, Veon, Kyivstar, and Telus. Our solutions have been rigorously tested and validated, earning recognition and certifications from industry-leading organizations.

Ready to Simplify Your Network Management?

Discover how Boreas Network Inventory can optimize your operations, reduce complexity, and enhance your strategic capabilities.



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