Globberry

Boreas Network Inventory: Clear Network Visibility and Control

A comprehensive telecom network inventory solution delivering automated discovery, accurate inventory management, flexible network modeling, and actionable analytics.

Globberry

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 delivers carrier-grade telecom solutions backed by deep domain expertise in wireless and wireline telecommunications, including 3G, 4G, 5G, radio networks, OSS/BSS integration, and advanced telecom network management.

Network Inventory Challenges

Network inventory implementation has traditionally been one of the more challenging OSS/BSS projects. Telecom networks constantly evolve, while inventory systems must continuously keep pace with changes in equipment, services, integrations, formats, protocols, and downstream systems.

Common challenges include:

- **Keeping up with a moving network:** New network elements, technologies, integrations, and business rules require continuous adaptation.
- **Manual reconciliation:** Inconsistent or incomplete data from EMS, NMS, databases, registers, and other systems creates significant manual validation work.
- **Loss of trust in inventory data:** Discovery issues and data inconsistencies can make inventory records less reliable and increase the time spent verifying information.
- **Complex network models:** Inventory reflects the complexity of the underlying network, often requiring significant domain knowledge and specialized training.
- **Limited usability:** Traditional navigation flows, dashboards, and reports can make finding specific information difficult for occasional users.

Modern inventory platforms can address many of these issues through flexible data models, automated discovery, no-code configuration, and AI-assisted workflows.

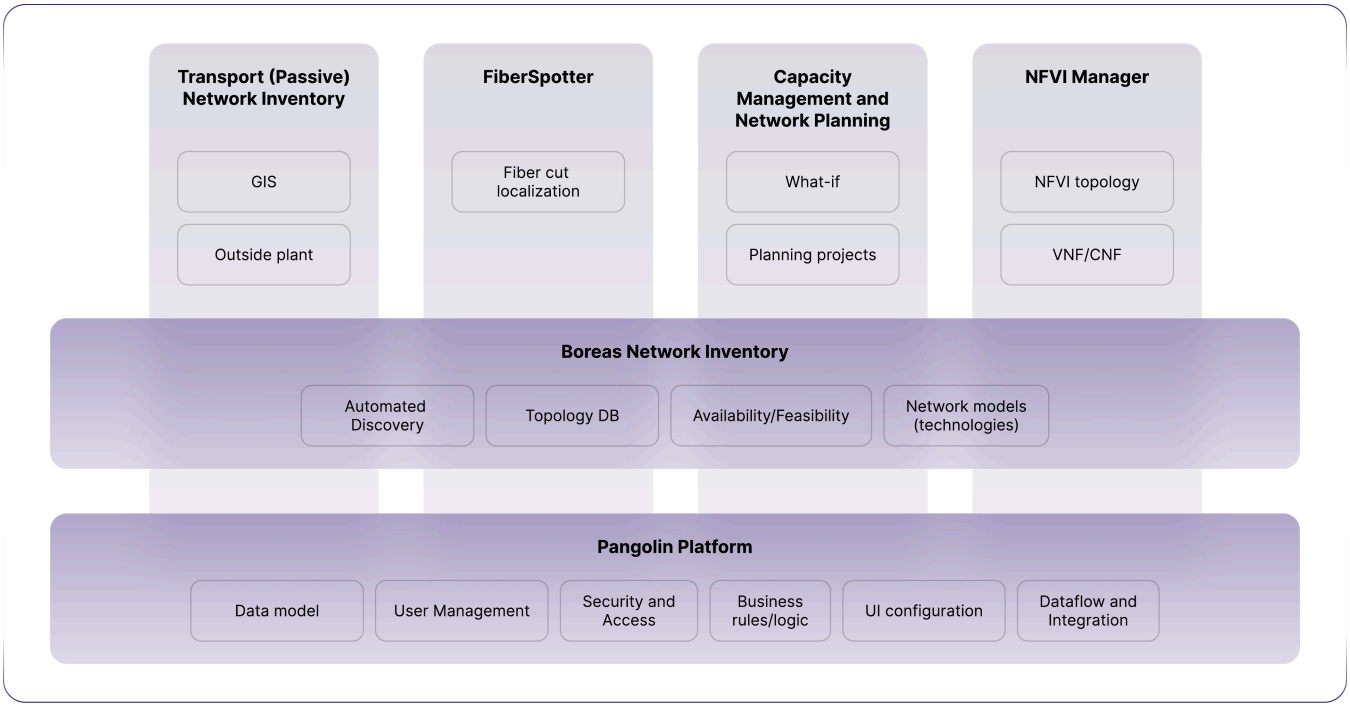


Boreas Network Inventory

Built on Globberry's Pangolin platform, Boreas Network Inventory provides a flexible inventory solution designed for continuously changing telecom environments.

Boreas automatically discovers, consolidates, and manages information about network elements, infrastructure, services, resources, and their relationships. Pangolin provides flexible data modeling, integration, and UI customization, allowing the inventory to evolve as technologies and operational requirements change.

Structured network data remains the foundation of Boreas. AI-assisted capabilities complement this foundation by reducing manual reconciliation, simplifying configuration, and making complex inventory information easier to access and use.



Key Benefits of Boreas Network Inventory

01

Automatic Discovery & Updates

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

02

Complete Network Visibility

Creates a unified view of physical and logical infrastructure, services, resources, and their relationships.

03

Reliable Inventory Data

Maintains accurate, continuously updated inventory records to support operations, troubleshooting, and planning.

04

Flexible Network Modeling

Adapts to new technologies, entities, integrations, and operational requirements as the network evolves.

05

Clear & Actionable Analytics

Provides capacity and infrastructure insights to support planning and operational decisions.

06

Flexible Multi-Vendor Integration

Integrates with existing EMS, NMS, OSS/BSS platforms, databases, and vendor-specific environments.

07

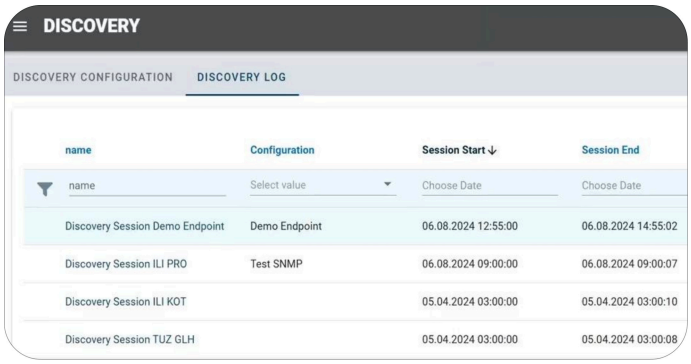
Reduced Manual Effort

Automation and AI-assisted workflows simplify reconciliation, configuration, and inventory maintenance.

Advanced Technical Capabilities

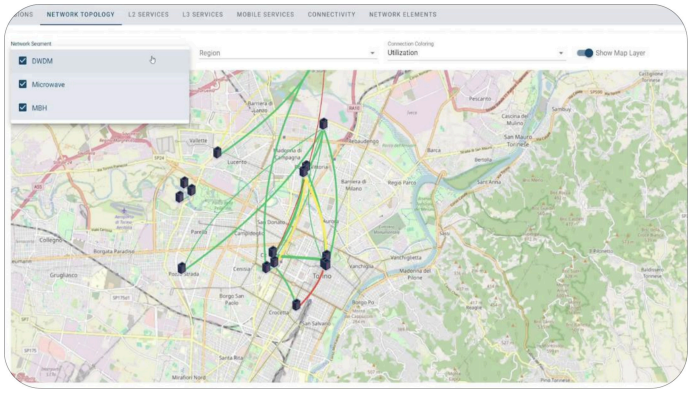
Intelligent Automatic Discovery:

- Uses Apache NiFi to collect, validate, transform, and integrate network data from multiple sources.
- Provides adapters for leading vendors to support fast and accurate device integration.
- AI-assisted discovery can assign confidence levels to collected records, identify data requiring review, and help interpret changes in downstream systems.
- Previously resolved cases can be used to improve handling of recurring discovery and reconciliation scenarios.



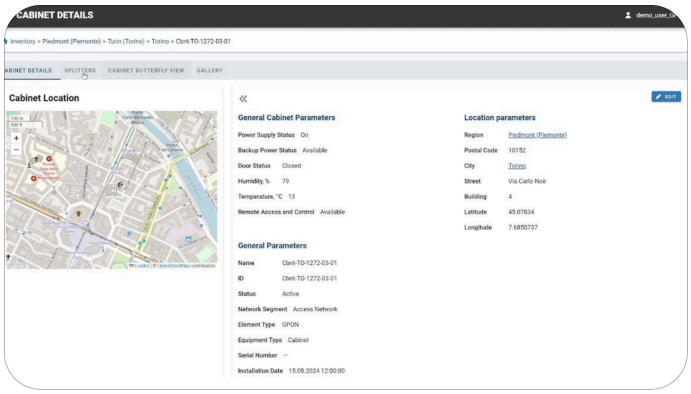
Flexible Network Visualization:

- Represents complex networks across physical and logical topology views.
- Provides interactive graphical and tabular formats for easier navigation and analysis.



Comprehensive Data Modeling:

- Supports diverse telecom technologies, including DWDM, IP/MPLS, Microwave, passive network infrastructure, and more.
- Supports passive network inventory, site management, and asset management.
- Customizable templates and adaptable entity definitions simplify modeling of network elements and relationships.
- Pangolin's no-code metadata model makes it easier to introduce new entities, relationships, and business rules as requirements change.



AI-Assisted Configuration:

- Enables administrators to use natural-language prompts to assist with metadata model and system configuration.
- AI-supported frontend testing can help validate configuration changes before they are introduced into operational workflows.
- Reduces the amount of specialized platform knowledge required for routine inventory configuration and maintenance.

Customizable Dashboards & Real-Time Alerts:

- Tailored dashboards display essential network and inventory information for different operational roles.
- Configurable alerts and notifications support proactive network management.
- AI-assisted customization can help adapt dashboards and reports to specific user roles and information needs.

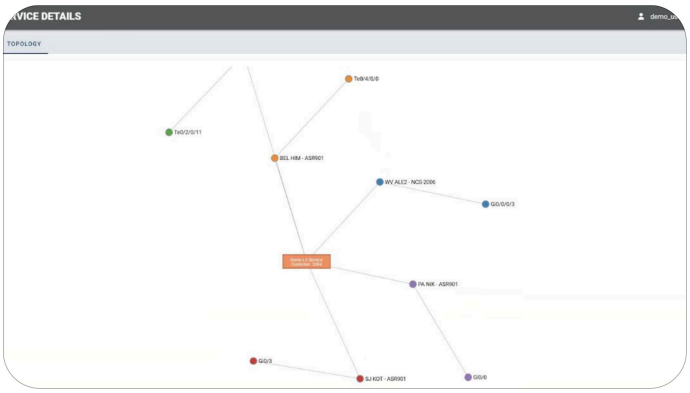


Natural-Language Inventory Access:

- Allows users to interact with inventory information through a conversational interface.
- Users can request relevant data, explore network relationships, and invoke supported actions without relying only on predefined navigation flows and reports.

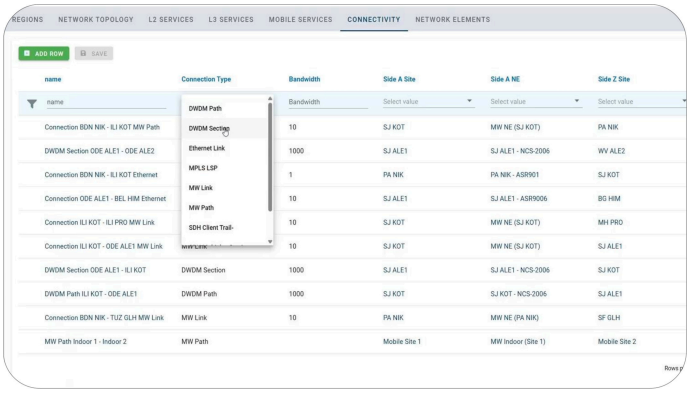
Detailed Service Mapping:

- Maps logical services such as VLAN, L3VPN, VPLS, and EVPN to physical network elements and resources.
- Interactive visualization of service topologies simplifies service management and dependency analysis.



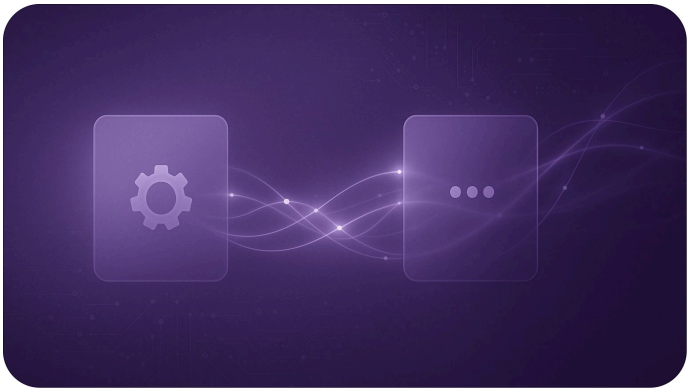
Comprehensive Reporting Capabilities:

- Provides scheduled, ad-hoc, and templated reports in multiple formats, including Excel, PDF, and DOCX.
- Supports detailed operational analysis and role-specific reporting.



Efficient Provisioning & Resource Management:

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



Practical Use Cases

Primary Network Inventory System

- Use Boreas as the primary inventory platform for physical infrastructure, logical resources, services, topology, and network relationships.

Integrated Inventory Solution

- Integrate Boreas with existing network management and inventory systems to extend automated discovery, visualization, data modeling, and other capabilities without replacing the entire environment.

Specialized Inventory Solutions

- Passive Optical Network Infrastructure Inventory
- Comprehensive Site Management
- Detailed Asset Management
- Equipment lifecycle tracking
- 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

Assessment of existing inventory systems, data sources, network architecture, and processes, with recommendations for implementation and integration.

Implementation

End-to-end deployment covering solution design, data modeling, integration, testing, discovery workflows, and data migration.

Continuous Support

Dedicated 24/7 operations and second-level support to maintain reliable production environments.

Training Services

Training for operational and technical teams to make effective use of Boreas Network Inventory.

Case Study: Major Middle East Telecom Provider

Profile:

- Leading telecom operator in the Middle East, serving more than 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 through real-time automatic discovery.
- Improved decision-making through accurate data and process automation.
- Automated capacity expansion based on usage thresholds and utilization trends.
- Reduced reporting errors and operational overhead.
- Improved infrastructure utilization and resource allocation.



Trusted by Industry Leaders

Globberry is trusted by global telecom leaders including Vodafone, VEON, Kyivstar, and TELUS. Our solutions have been tested and validated in complex telecom environments and recognized by leading technology and industry organizations.

Ready to Simplify Your Network Management?

Discover how Boreas Network Inventory can improve inventory accuracy, reduce manual effort, and make complex network information easier to manage and use.

Request a Demo **Contact Us**

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