Globberry

Boreas Network Inventory

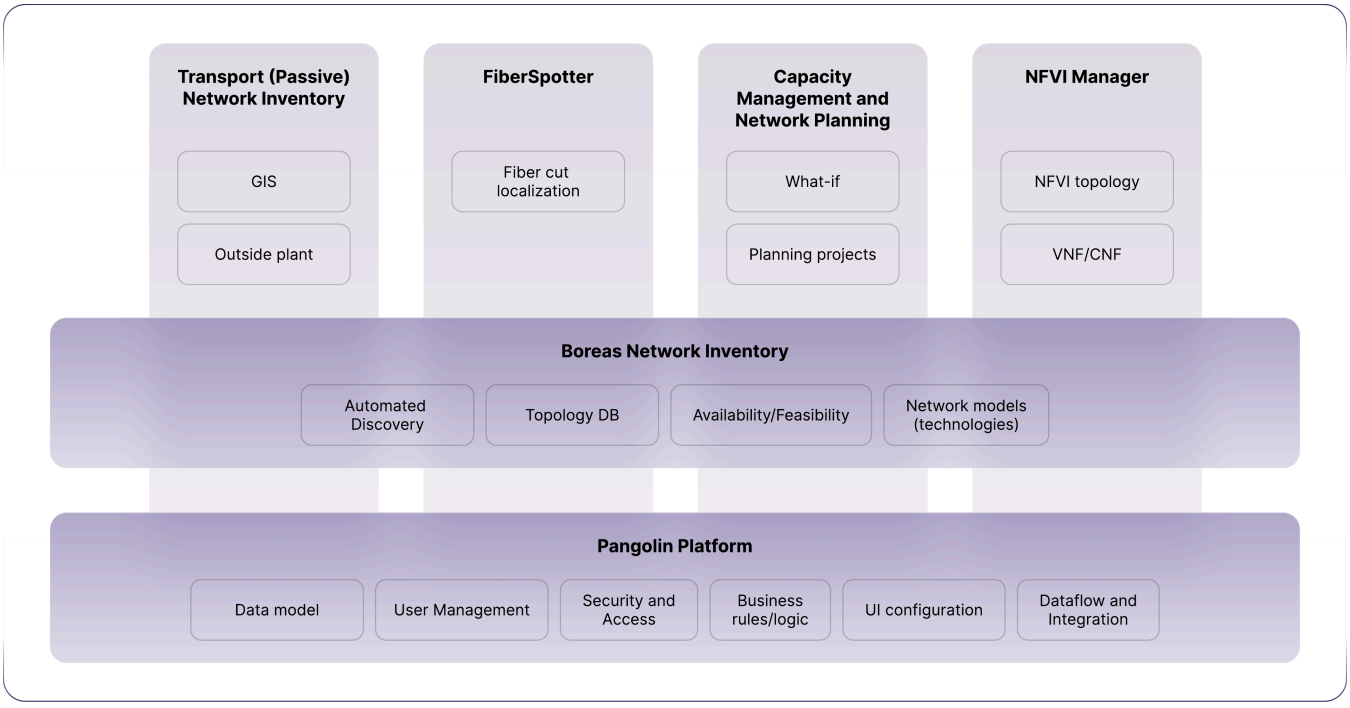
Clear Network Visibility and Control — Automated Discovery, Accurate Inventory, and Actionable Analytics in One Solution.

Overview

Telecom inventory is difficult to maintain because networks continuously change. New elements, technologies, integrations, formats, protocols, and downstream systems must be reflected accurately, while inconsistent discovery data and manual reconciliation can quickly reduce confidence in inventory records.

Globberry's Boreas Network Inventory, built on the Pangolin platform, addresses these challenges through automated discovery, flexible data modeling, accurate inventory management, and actionable analytics. It creates a reliable source of network data for operations, troubleshooting, planning, provisioning, and capacity management.

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



Benefits

01

Automatic Discovery & Updates

Continuously collects and synchronizes network data, reducing manual effort and errors.

02

Unified Network Visibility

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

03

Reliable Inventory Data

Maintains accurate and continuously updated records to support faster troubleshooting and operational decisions.

04

Flexible Network Modeling

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

05

Actionable Analytics

Provides capacity and infrastructure insights for planning and resource optimization.

06

Multi-Vendor Integration

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

07

Reduced Manual Effort

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

Functional Overview

Intelligent Automatic Discovery

Uses Apache NiFi pipelines and vendor adapters to collect, validate, transform, and integrate network data. AI-assisted discovery can identify inconsistencies, assign confidence levels, flag records requiring review, and help interpret changes in downstream systems.

Flexible Visualization

Provides interactive physical and logical topology views together with tabular representations of network data.

Comprehensive Data Modeling

Supports DWDM, IP/MPLS, Microwave, PON, passive inventory, site management, and asset management through adaptable templates and metadata models.

AI-Assisted Configuration

Supports natural-language interaction for configuring metadata models, entities, and relationships, with AI-assisted testing of selected configuration changes.

Custom Dashboards & Alerts

Provides role-specific KPIs, configurable alerts, and dashboards for proactive network management, with AI-assisted customization for different user needs.

Natural-Language Inventory Access

Allows users to query inventory data, explore relationships, and access supported actions through a conversational interface.

Detailed Service Mapping

Links logical services such as VLAN, L3VPN, EVPN, and VPLS to supporting physical infrastructure.

Reporting Capabilities

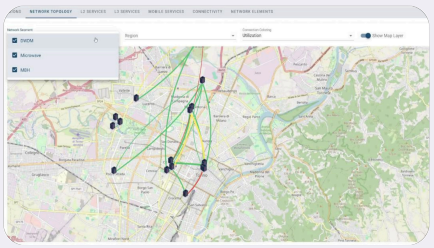
Delivers templated, scheduled, and ad-hoc reports in formats including Excel, PDF, and DOCX.

Provisioning Support

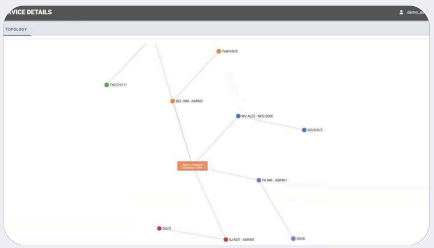
Supports resource reservation and provisioning workflows integrated with customer BSS.

Availability Checks

Analyzes resource utilization and service status to identify potential capacity constraints before they affect operations.







Use Cases

Primary Network Inventory System

- Operate Boreas as the main platform for infrastructure, services, topology, resources, and network relationships.

Integrated Solution

- Extend existing OSS and inventory environments with discovery, visualization, modeling, and inventory capabilities.

Specialized Applications

- Passive Optical Network Infrastructure Inventory
- Site & Asset Management
- Equipment Lifecycle Tracking
- Infrastructure Audit and Compliance Support

Network Inventory Suite

Boreas supports additional specialized Globberry solutions:

FiberSpotter

Fiber-cut localization and proactive network management.

NFVI Management

End-to-end visibility into virtualized network infrastructure.

Capacity Management

Capacity forecasting and infrastructure optimization.

Network Planning

Strategic planning for network growth and infrastructure evolution.

Professional Services

Consulting

Assessment of existing systems, data sources, and integration requirements.

Implementation

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

Support

24/7 operational assistance and expert second-level technical support.

Training

Practical training for technical and operational teams using Boreas.

Case Study: Major Middle East Telecom Provider

Challenges:

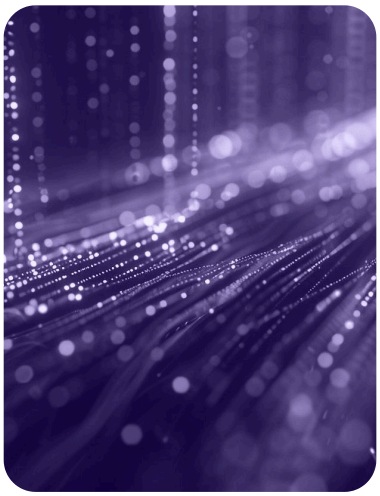
Inefficient manual reporting, fragmented data, and limited visibility into NFV infrastructure.

Solution:

Boreas provided automated discovery, a unified NFVI view, and capacity-driven automation.

Results:

- Automated NFVI resource tracking
- Reduced reporting errors and operational overhead
- Improved infrastructure utilization
- Better decision-making and capacity expansion planning



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About Globberry

Founded in 2014, Globberry delivers carrier-grade telecom solutions across North America and EMEA. Recognized by technology leaders including Red Hat, Ericsson, and NEC, Globberry brings expertise in wireless and wireline networks, OSS/BSS integration, and telecom infrastructure management. Its customers include telecom providers such as Vodafone, VEON, Kyivstar, and TELUS.

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.

Request a Demo | Contact Us

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