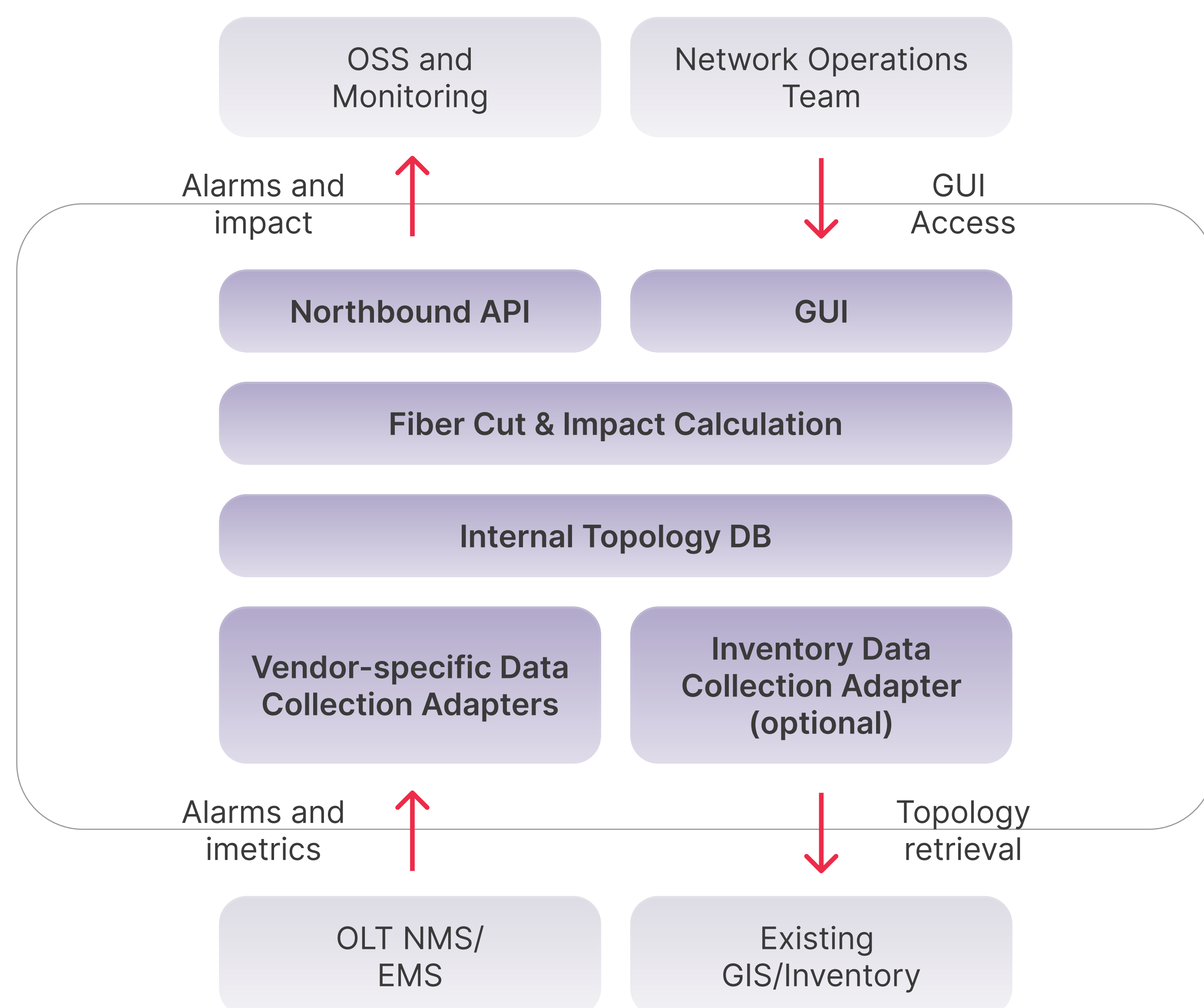


FiberSpotter

A carrier-grade troubleshooting solution for Passive Optical Networks — combining active and passive inventory management in one cost-effective package.



Overview

Accurately localizing fiber cuts is one of the most critical challenges affecting the total cost of ownership (TCO) in large passive optical networks. Traditional solutions using Optical Time Domain Reflectometers (OTDR) significantly raise both OPEX and CAPEX, and lengthen disaster recovery times.

Globberry's FiberSpotter offers a cost-effective alternative by employing passive monitoring through specialized software. It collects and analyzes alarms from OLTs, correlating this data seamlessly with inventory and network topology information to rapidly pinpoint fiber cut locations.

Benefits

01

Reduced OPEX

Automated fiber-cut localization saves significant time and costs.

02

Improved Customer Satisfaction

Faster issue resolution and proactive customer notifications on network issues and expected resolution times.

03

Lower Call Center Load

Real-time insights into affected subscribers reduce the burden on customer support teams.

04

Strategic Network Expansion

Intelligent availability check algorithms recommend expansion strategies based on potential customer demand and current network infrastructure.

05

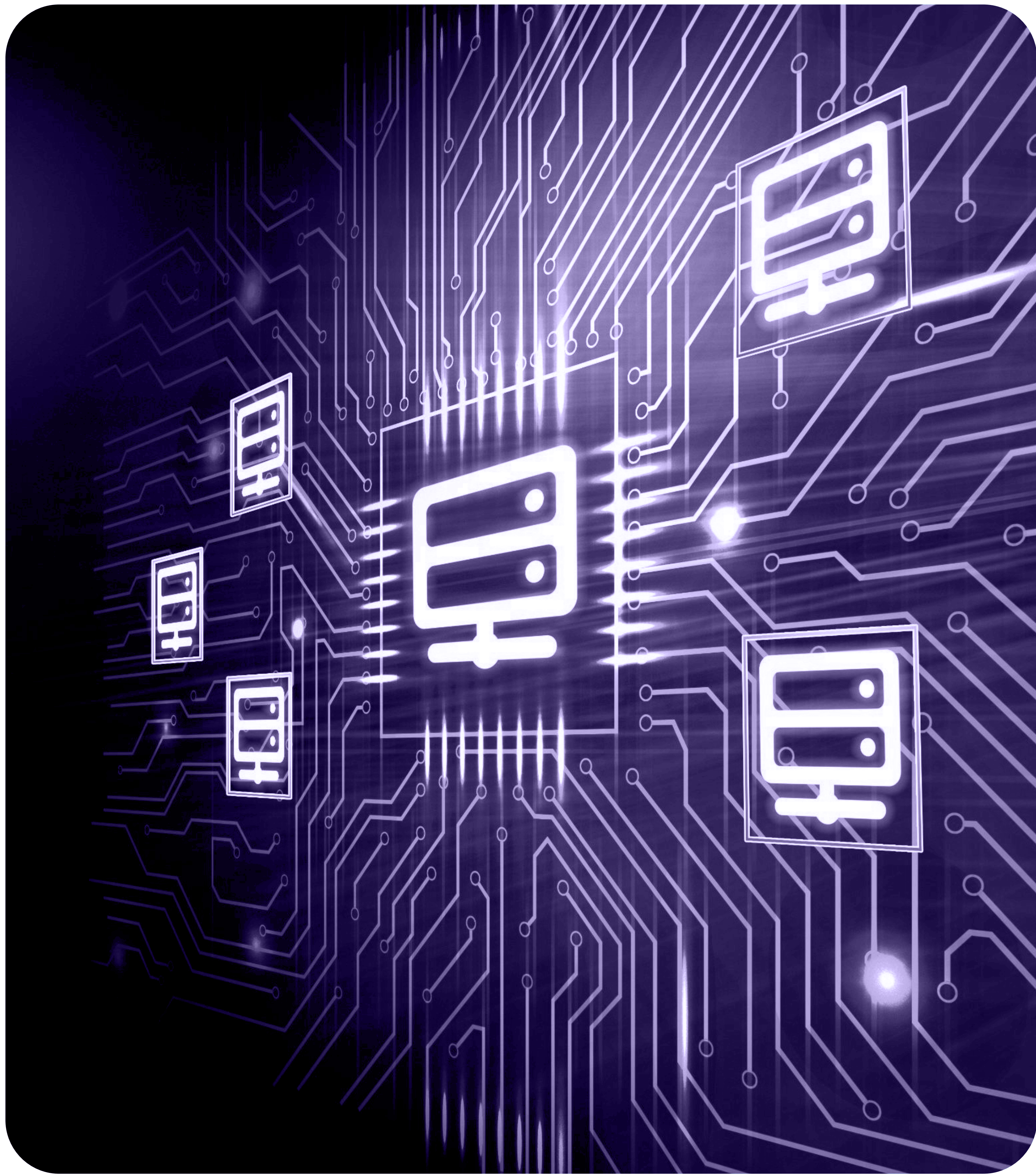
Enhanced Network Transparency

Automated inventory documentation with active equipment discovery, facilitating efficient network troubleshooting and provisioning.

06

Flexible Deployment

FiberSpotter can function as a primary inventory management solution or integrate seamlessly with existing OSP and inventory systems.



Functional Overview:

Topology Discovery

- Automatically discovers active equipment and supports importing passive equipment and cable infrastructure data.

Provisioning Support

- Offers resource reservation capabilities compatible with Customer BSS platforms.

Advanced Troubleshooting

- Efficiently localizes fiber cuts using passive monitoring and active equipment monitoring.

Actionable Insights

- AI-powered analytics engine provides availability checks, detailed reporting, and dynamic dashboards.

Use Cases:

- Master Inventory System for Passive Optical Networks.
- Complementary Module to existing inventory management systems.

Our Supplementary Services



Consulting

Expert evaluation of existing solutions and assistance with seamless integration into current network and OSS/BSS architectures.



Implementation

Comprehensive end-to-end implementation, including solution design, data migration, integration, and user acceptance testing.



Support

Robust 24/7 operations and maintenance support, including second-level technical and product-specific support.

About Globberry

Globberry is an international system integrator with established expertise in Eastern Europe and Central Asia. Our prestigious clients include major telecom operators such as Vodafone, MTS, Beeline, and Tele2. As specialists with unique technical capabilities, we pride ourselves on personalized solutions, exceptional customer care, and flexible, affordable pricing.



📞 **EMEA:** +38 (050) 547 90 56

📞 **NA:** +1 (754) 2100982

✉️ info@globberry.com

🌐 globberry.com