

# Private Mobile Network Assurance Solutions

Helping Enterprises to deliver high-performance 4G/5G connectivity



*We always want to use state-of-the-art services to provide our customers with an excellent network and service experience. MYCOM OSI's offering supports our 5G roll out, network service quality and, as part of this initiative, pursues a more data-driven approach to network investment.*

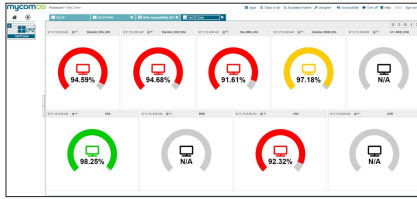
Eva Ulicevic,  
Director of Architecture,  
Strategy and Analytics,  
Telefónica Germany

## Helping Enterprises to deliver high-performance networks and services

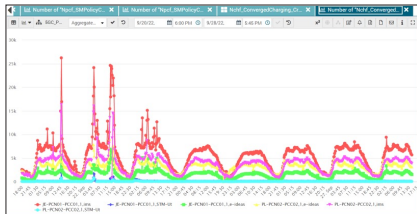
MYCOM OSI's Private Mobile Network Assurance Solutions give enterprises the high connectivity and a highly available network to deliver 4G/5G services by reducing the cost, time-to-market and operational complexity while protecting existing revenue streams. It offers an end-to-end view of service quality for a multi-vendor, multi-technology private network, proven in the world's largest 4G/5G networks. Delivered on-demand from the cloud, pre-integrated with most network deployments and bundled with targeted outcome-based use cases, the Private Mobile Network Assurance Solutions eliminate months of deployment time and cost and is proven at some of the world's largest, most complex Tier-1 mobile networks.

The drivers for Private Mobile Network Assurance are based on the enterprise's need to offer:

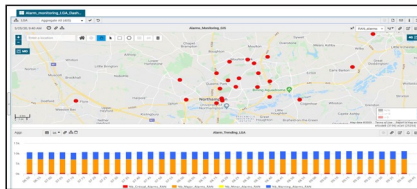
- High-performance connectivity and productivity of their mobile network
- Manage their own high-performance connectivity, such as rail networks, and remote mining facilities
- Monitoring/upgrading capacity and performance as needed
- Discrete performance monitoring tools, with end-to-end view of service quality
- End users identifying performance problems before network operations
- Ability to monitor performance by providing visibility on SLAs
- Automation and workforce productivity, at low budgets



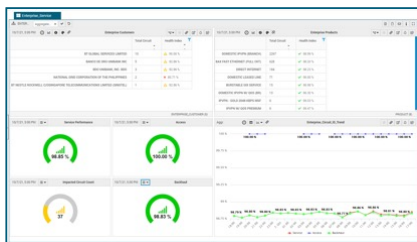
5GSA Service Quality & Impact Analyser



PMN Network Slice Assurance



PMN Alert Surveillance



PMN Enterprise Portal

- PMN Traffic & Capacity Analyser**  
Predicting congestion and capacity bottlenecks
- PMN Workflow Automation**  
Providing automated workflows to correlate data sources to detect outages, and provide corrective actions
- PMN Network Slice Assurance**  
Service assurance for static and dynamic mobile network slices
- SLO/SLA Management**  
Customer SLA and service status in a dashboard/geographical view
- 5G SA Service Quality & Impact Analyser**  
Identifying service bottlenecks to the lowest measuring level
- PMN Alert Surveillance**  
Alarm summarisation at element and country level with drill down
- PMN Enterprise Portal**  
Enterprise dashboard with impact analysis and KPI/SLA performance

## Multi-vendor End-to-End Assurance with AI Insights and Automation

MYCOM OSI's Private Mobile Network Assurance Solutions enables enterprises to maintain high performance for their multi-vendor cellular networks covering the entire network with a single solution, and identifying problems before the users are impacted. Its cross-domain network performance management platform provides large enterprises with the visibility and scale to deliver, assure, troubleshoot and optimize complex, distributed services for remote industrial automation services. Management of uRLLC use cases can be delivered over the 5G private cellular network with high-performance guarantees to the enterprises. It can be deployed for physical, virtual, containerized and hybrid network environments.

Built for enterprises that need real-time, end-to-end visibility of the network, applications and infrastructure across globally distributed data centers, MYCOM OSI's Private Mobile Network Assurance Solutions empowers enterprises' ICT operations, improving workforce productivity. It drastically reduces mean-time-to-locate performance problems and MTTR.

### Wide coverage of technologies used for Private Mobile Networks

MYCOM OSI developed the streamlined, purpose-built Private Mobile Network Assurance Solutions considering that 5G is important for enterprises. There are countless applications that benefit from 24\*7 assurance of uRLLC, low-power IoT, mobile broadband and fixed access, ensuring that the services are differentiated for the customer, and are resource-efficient for the network. The following technologies used for building private mobile networks are assured by MYCOM OSI solutions:


1. LTE
2. 5G Standalone
3. 5G Non-standalone
4. Open RAN
5. eMBB
6. uRLLC
7. mMTC

### Solutions for Private Mobile Network Assurance


MYCOM OSI developed the streamlined, purpose-built Private Mobile Network Assurance Solutions keeping the complexities of 4G/5G network and service assurance in mind, while ensuring that enterprise services are differentiated for their customers.

The solutions cover the following critical features required for the assurance of Private Mobile Networks:


1. Streamlining the capacity of the network
2. Monitoring the network in real time, for quick and automated actions and perform efficient root-cause analysis
3. Detection of anomalies and triggering appropriate responses
4. The use of analytics based on the 5G network data analytics function (NWDAF) to monitor and analyze the performance monitoring of 5G PMN networks
5. Network Slicing performance, as applied to industrial PMNs
6. Managing the performance of roaming between the private network and public networks
7. Cross-domain management including session handoffs between private and public networks
8. Managing the enterprise SLAs through a customer portal



A streamlined, purpose-built Solutions considering the complexities of 4G/5G network and service assurance.



Guarantees high performance of uRLLC use cases that can be delivered over the 5G private cellular network.



Enterprises can ensure that service levels (SLAs) are continuously being met.

## Key Features

### High scale

Supports billions of transactions per day and multi-terabyte continuous packet capture for troubleshooting of different time-critical Industry 4.0 services.

### Multi-tenancy

Multi-tenant data collection and reporting for shared services with configurable, per user and per-role views/reports.

### uRLLC/eMBB/mMTC Service Quality Management

For the business to reliably meet proactive service quality management with end-to-end service quality and SLA management.

### Capacity Planning

Unwanted traffic re-prioritized so that teams can easily assess resource utilization, service and infrastructure reports to ensure consistent service and infrastructure performance.

### SLO/SLA Reporting

Enterprise can ensure that service levels are continuously being met.

### Enterprise portal for transparency

- Web application enabling CSP's enterprise customers to access KPIs, raw counters or attributes on certain network resources.
- Allows mapping of network resources with enterprise services and to provide to every end user a customized view of the network and service depending on the enterprise.
- Custom view of the network by each enterprise based on resources dedicated to their service delivery/network slice.
- Self-service dashboards include map, freehand and list-based views.

## Benefits

### Reduces deployment effort

Bundles the most advanced performance management capability into ready-to-use pre-integrated solutions.

### Reduces deployment time

Powered by the multi-award-winning SaaS, the solutions can be activated in under an hour.

### Capacity Planning and rightsizing

Infrastructure optimized for business critical services. Upgrade investment targeted to true business need.

### Simplified cross domain management

Simplifies complex investigation and analytical tasks of 5G RAN and Core, impact on business outcomes and SLA management.

### Delivers mobile connectivity performance

Provides enterprise with the right combination of management tools, technologies and best practices to proactively minimize the impact of mobile network infrastructure performance degradations, enabling them to ensure their organization's most time-critical industrial services.

### Empowers enterprise operations

Empowers enterprise operations with self-reporting and SLO/SLA capabilities to accelerate performance troubleshooting.

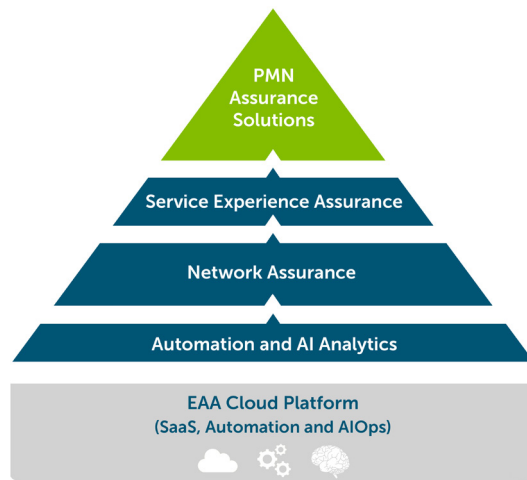


MYCOM OSI provides a dynamic, scalable and reliable solution that we can depend on to offer competitive IP broadband service SLAs to corporate customers.

VP Network Assurance & M2M Platform, Deutsche Telekom

## Private Mobile Network Assurance Solutions – Powered by the Assurance Cloud™

MYCOM OSI's Private Mobile Network Assurance Solutions are powered by the Assurance Cloud™. Proven to reduce TCO, accelerate TTM and support increased automation at the world's largest, most complex networks, the Assurance Cloud™ is the world's first fully cloud-native network and service assurance software-as-a-service (SaaS) offering. This enables CSPs to launch and assure differentiated enterprise services, with lower TCO and in a fraction of the time compared to traditional service assurance solutions.



### Connect with us

For a personal demo and discussion about how the Private Mobile Network Assurance Solutions can benefit your business.



Contact us



Follow us

### About MYCOM OSI

MYCOM OSI is a leader in Network Assurance and Service Experience Assurance solutions powered by predictive and generative AI-based Analytics and Automation capabilities enabling Communications Service Providers (CSPs), Managed Service Providers (MSPs) and enterprises to launch and manage mobile and enterprise services with high performance, at scale. Its telco transformation solutions are based on 25+ years of experience and expertise gained at the world's largest, most diverse and most complex networks.

### Regional Offices

#### United Kingdom

6th Floor  
2 Kingdom Street  
London W2 6BD  
United Kingdom  
t: +44 1753 213 740

#### Asia Pacific

30 Cecil Street  
#19-08 Prudential Tower  
Singapore 049712

#### Middle East & Africa

9th Floor Aurora Tower  
Dubai Internet City  
P.O. Box 502 533 Dubai  
UAE

#### USA

9245 Laguna Springs Drive,  
Suite 200, Elk Grove,  
Sacramento, 95758,  
California,  
United States of America

#### Europe

2eme etage Defense Plaza  
17-27 Rue Delariviere Lefoullon,  
92800 Puteaux  
France  
t: +33 1 41 97 48 00

#### India

7th Floor, Building 8 B,  
DLF Cyber City.  
Gurgaon, 122002  
Haryana  
India  
t: +91 124 450 8000

### A multi-award-winning Assurance vendor

With over 25 years experience, MYCOM OSI is recognised as the leading service assurance provider.

