



AInsights

Predictive maintenance of telco networks with a focus on 5G enterprise and FTTx services

Mycom's AInsights enables CSPs to rapidly move from reactive to predictive assurance and operations of their networks and services, leveraging high-quality data that is critical to the success of such AI initiatives.

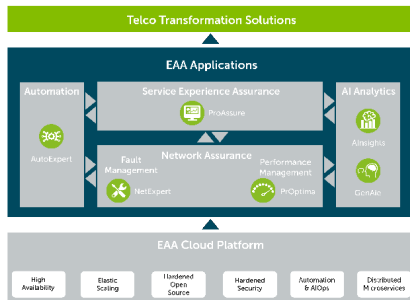
Predictive maintenance of telco networks with a focus on 5G enterprise and FTTx services

As Communications Service Providers (CSPs) embark on rolling out the latest 5G enterprise/FTTx services, Mycom's AInsights application offering is an essential capability for CSPs to deliver services with AI-based predictive insights for high performance and root cause analysis. AInsights harnesses the power of machine learning and advanced data processing techniques offer unique features.

Offered on-demand from the cloud, pre-integrated with most network deployments and based on pre-packaged AI pipelines, the AInsights application eliminates months of data mining effort intelligently. AInsights is built on the award winning EAA platform, proven at some of the world's largest, most complex Tier-1 CSP networks.

The drivers for AInsights are based on the CSPs' needs to:

- Respond to 5G enterprise/FTTx demands on performance and reliability of service.
- Combine predictive AI-based insights with assurance leading to automation.
- Prevent risks from network unavailability and QoS degradations.
- Reduce problem investigation times, and customer tickets.



Part of Mycom's EAA Service Assurance portfolio

The Alnsights application, operated on Amazon Web Services (AWS), private cloud or on-prem, enables CSPs to benefit from the data processing capabilities of the EAA Cloud Platform, which is the engine for Mycom's Service Assurance applications. Based on microservices based cloud architecture, with inbuilt automation and analytics, the EAA Alnsights application enables CSPs to continuously predict the performance of their networks and services, and to proactively identify and resolve problems before they impact their customers.

This is specifically essential for the delivery and the assurance of high reliability and low latency enterprise services.

Leveraging normalized and intelligent data

Based on EAA's normalized network and service data, Alnsights empowers CSPs to effortlessly integrate pre-packaged AI pipelines to perform the most relevant AI-driven use cases, such as anomaly detection, KPI Forecasting, alarm pattern discovery, and root cause analysis for their OSS ecosystem. It simplifies the traditional AI process by automating each step in the pipeline and delivering results in a matter of days versus months. Alnsights benefits the optimization, planning, operations, and NOC/SOC teams of the CSPs by enabling relevant use cases. It can train, deploy, and maintain new AI models without human intervention, perform scheduled and on-demand inferring, detecting concept and data drifts. It makes the insights available via an API or a dedicated User Interface.

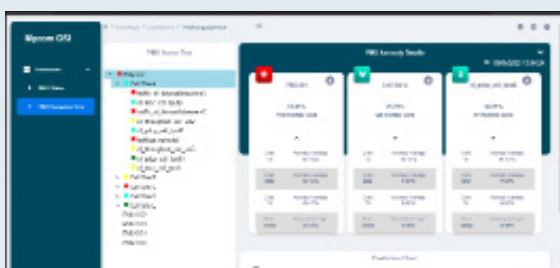
Customer use cases

- Performance Management (PM) forecasting and anomaly detection of 4G/5G RAN, Mobile Core, IP Transport and FTTx networks.
- Root Cause Analysis (RCA) for incidents and ticketing.
- Forecasting, pattern discovery, and anomaly detection for international in bound/outbound roaming services for 4G/5G.
- Fault Management (FM) Alarm pattern discovery (Roadmap).

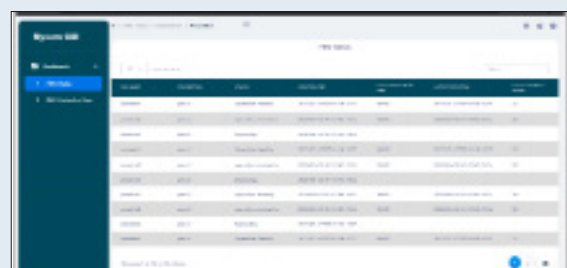
Predictive Monitoring Unit

This essential component of Alnsights is a hierarchical, modular and tailored monitoring system for a specific network segment defined by the user. The PMU combines PM and FM data and performs predictive modelling, pattern discovery and anomaly detection. It offers flexibility to aggregate and disaggregate forecasting and anomaly detection at different network and geographical levels. Anomaly scores can be calculated at PMU, Cell or KPI levels.

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Extends the benefits of EAA to CSPs through enhanced open, flexible and AI-driven insights to support their growth plans.



An essential capability to drive reduced time-to-value through orchestrated microservices based architecture for agility.



Offers predictive performance analytics and SLA risks for 5G RAN/Core/Transport and FTTx networks.

Key Features

AI based insights for critical telco use cases

AI-insights are provided for PM forecasting and anomaly detection, Fault related frequent sequence discovery, auto-discovery correlation, Root Cause Analysis and automatic remediation.

High Scalability

Collects, stores, analyses, correlates, recognizes and predicts the behavior of thousands of network entities and applications simultaneously in near real-time.

Deeper visibility

Simultaneous multi-lens anomaly detection across different applications, ports, IP devices, VLANs etc. (For example, 1000s of anomaly detection models can be simultaneously deployed).

Suppression of non-actionable alerts

Frequent pattern matching for higher accuracy/reduction. Discovery of complex data correlations for higher suppression rates (99%+).

Replicable data models

Enables replication of data models for different network functions (RAN/IP/PM/FM etc.) for a 360- degree / deeper network view. This includes automating model training.

Predictive Monitoring Unit (PMU)

PMU, the core component of AInsights, allows dynamic, need-based activation, creation and tear-down, which increases the efficiency and accuracy of network maintenance.

Benefits

High scalability and low-error

Predictive performance of thousands of network entities and applications simultaneously in near real-time.

Drives reduced time-to-value approach

Orchestrated microservices with predefined use cases for a wider ecosystem.

Supports CSPs' rapid revenue stream expansion

Leveraging into building analytics and intelligent services.

Reduces MTTx and NOC/SOC manpower costs

Calculable hours and costs for each network type.

Prevents high-revenue service loss

Proactively identifies SLA risks before they impact customers, predicts city-wide traffic anomalies and roaming abnormalities that have high revenue impact.

Zero Time to Value

Orchestrated microservices with predefined use cases reduce the time to value; Cloud-native and cloud-agnostic.

Usage-based Pricing Model

Simpler pricing models for reduced TCO.

Alnsights enables CSPs to alleviate operational effort and drastically reduce the problem detection times by providing relevant AI-generated network insights, thus paving the way for network automation.

Connect with us

For a personal demo and discussion about how Alnsights can benefit your business.



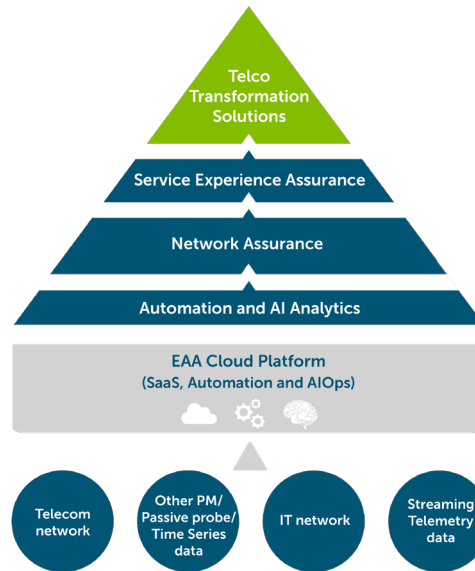
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Alnsights – Powered by the Assurance Cloud™

Mycom's Alnsights application is 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. Mycom's Alnsights cloud-based application is an essential capability for CSPs to predict network, service and business problems, well before they impact the customers.



About Mycom

Mycom 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.

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A multi-award-winning Assurance vendor

With over 25 years' experience, Mycom is recognised as a leading service assurance provider.

