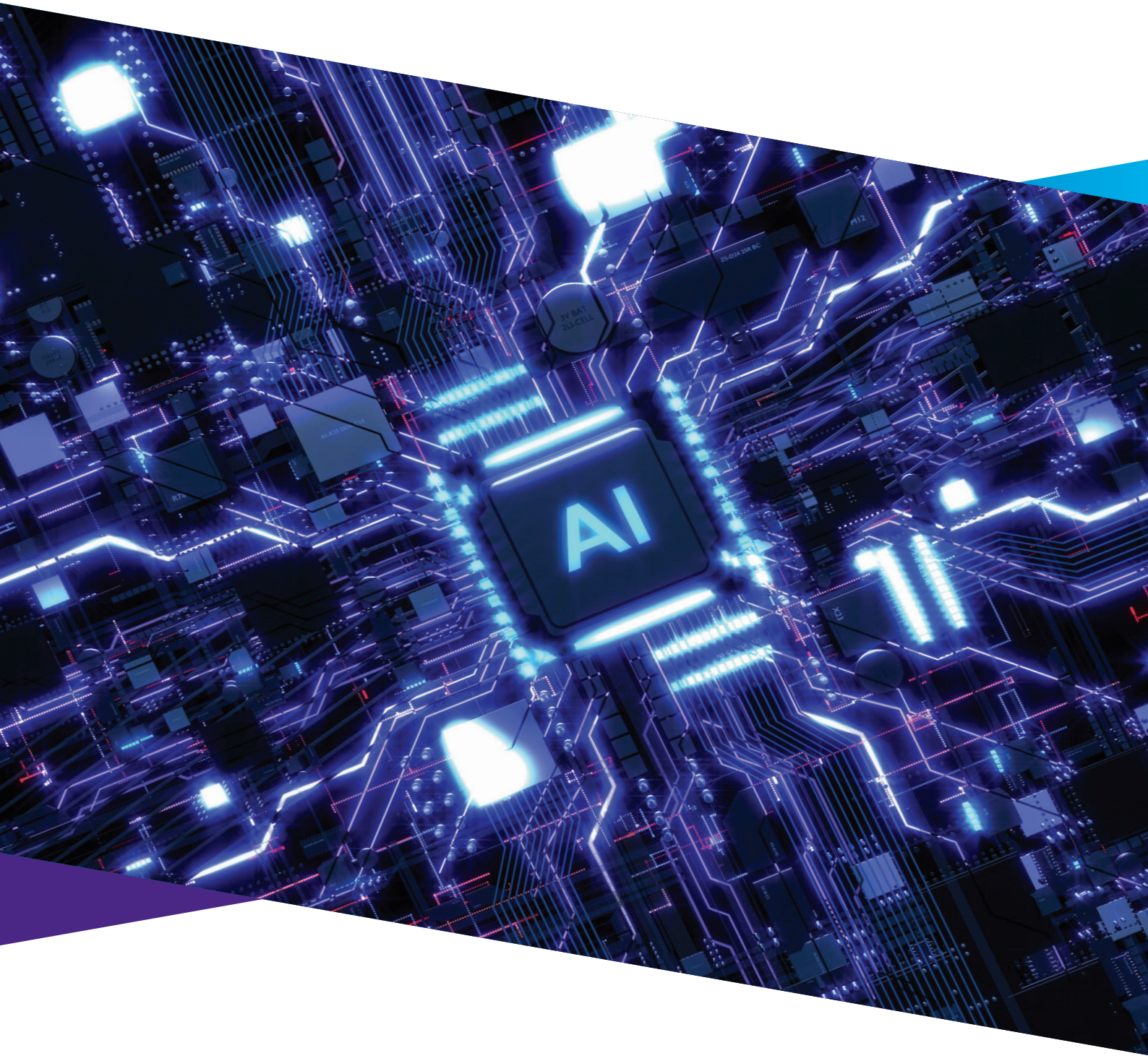


NITRO LOCATION INTELLIGENCE
AND CORE AI EXPERT

RAN and Core

The right data. Now with AI Intelligence to unlock it.



Most AI tools in the market are built on the wrong foundation. Aggregated counters and vendor-supplied telemetry will only ever give you a partial picture. VIAVI NITRO AI Expert puts AI intelligence on top of the industry's deepest network data, every packet, every subscriber session, every RAN interaction geolocated to building level and makes it instantly accessible to everyone on your team.

THREE BARRIERS TO NETWORK INTELLIGENCE

Wrong Data

AI tools built on vendor counters miss the actual event. Analysis built on incomplete data leads to wrong conclusions, misguided investments, and problems that never fully resolve.

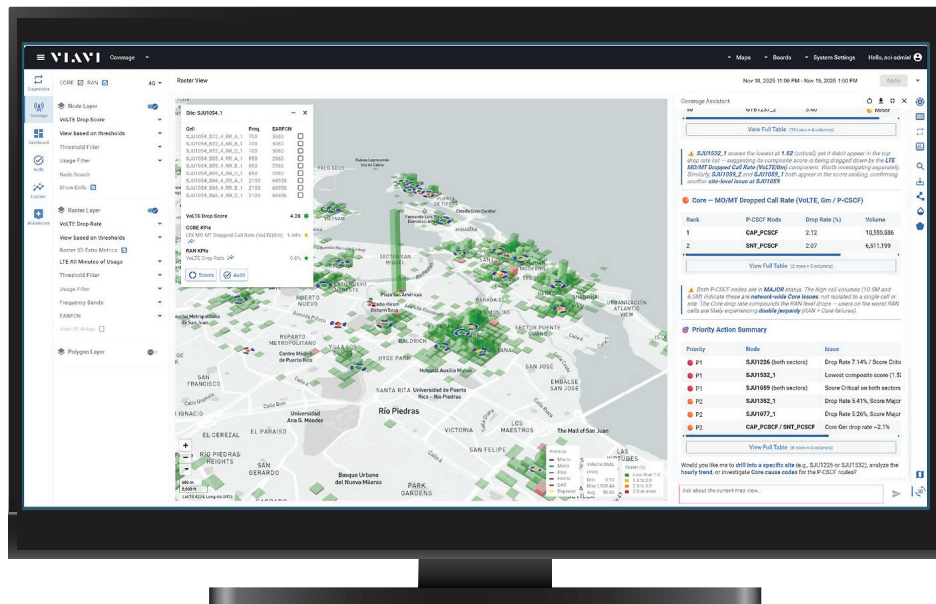
Non-Scalable Expertise

Extracting insight from RAN and Core data demands deep RF and protocol knowledge concentrated in a handful of specialists. Every request flows through that bottleneck and it breaks under pressure.

Late Insights

Standard analyses take hours. In a live network, that delay means subscribers are already impacted before a resolution is even in sight.

Every operator has that one engineer who just knows. They look at the same data everyone else sees and find the answer in minutes. The problem is there is only one of them. VIAVI NITRO AI Expert is built to change that.



VIAVI NITRO AI Expert – available for both RAN and Core

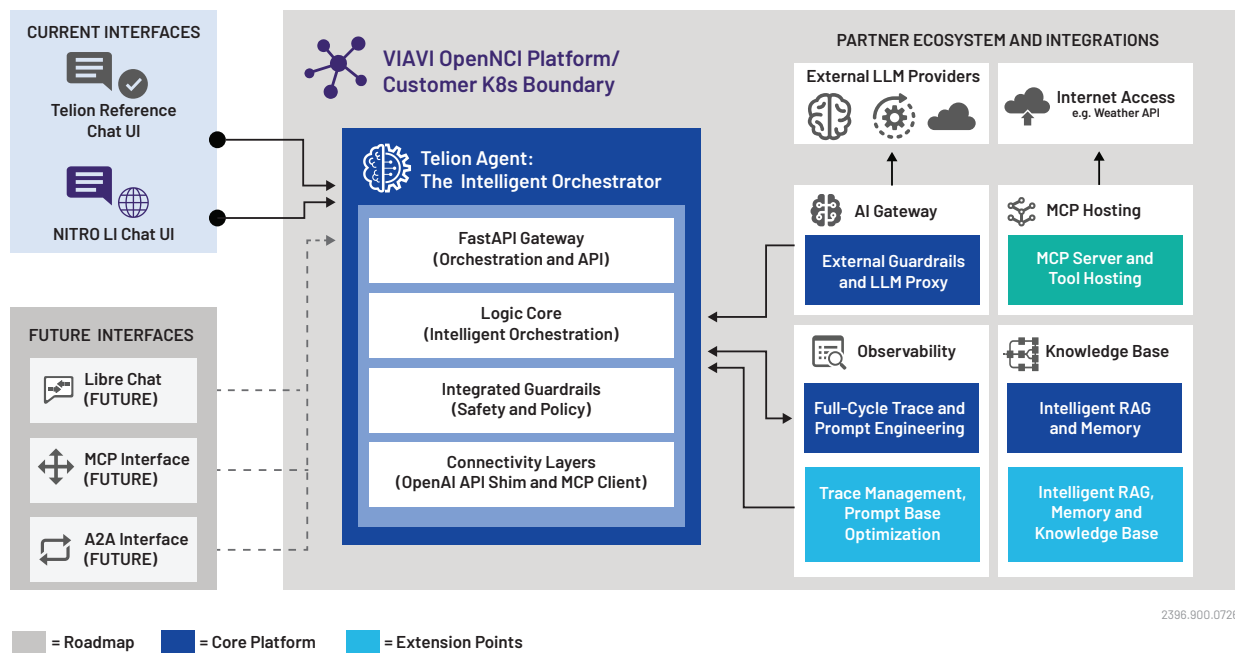
VIAVI NITRO AI EXPERT

One assistant. The right data. Expert-level analysis in seconds.

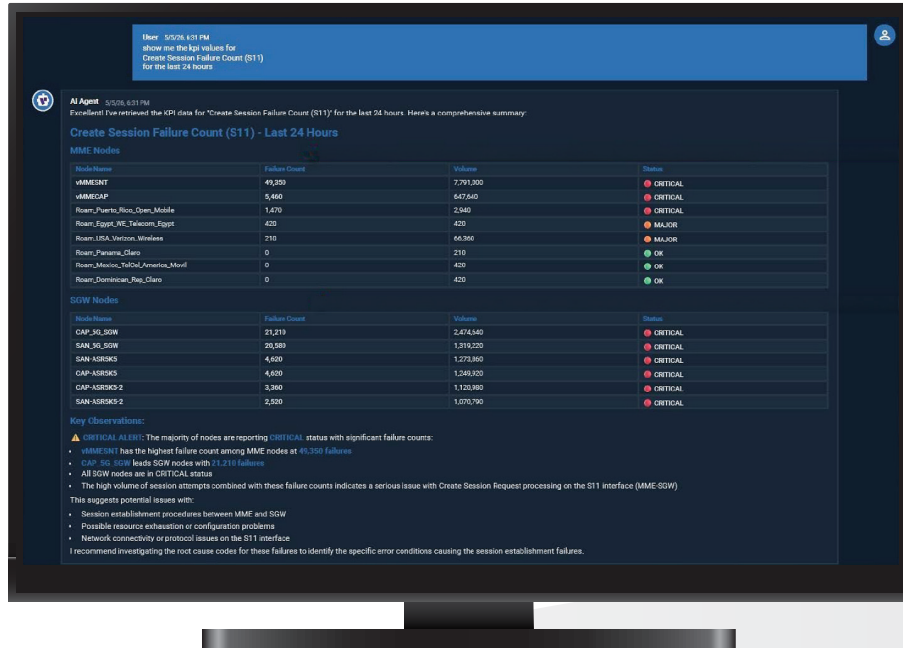
VIAVI NITRO AI Expert is a native natural language interface built on top of NITRO Location Intelligence and NITRO Core. Any member of your team, from a NOC analyst to a planning manager, can ask a question in plain language and receive analysis that would have taken a specialist engineer hours to produce. Not a simplified summary. The full depth, KPI trend analysis, root cause identification, L3 signalling breakdowns, and packet-level diagnostics, delivered in seconds from within the applications your team already works in every day.

At the heart of it sits the VIAVI Telion Secure AI Platform, which connects the assistant to live network data through MCP, routes every query through a secure AI Gateway, and gives you full control over where your LLM is deployed, on premises, on your chosen hyperscaler, or via cloud API. Your network data stays in your environment. Always.

VIAVI Telion Secure AI Platform Architecture



NITRO CORE AI EXPERT



NITRO Core AI Expert: KPI analysis and cause code diagnostics

NITRO Core AI Expert gives every member of your team direct access to Core network intelligence, from network-wide KPI analysis all the way down to a single packet decode, in one continuous conversation.

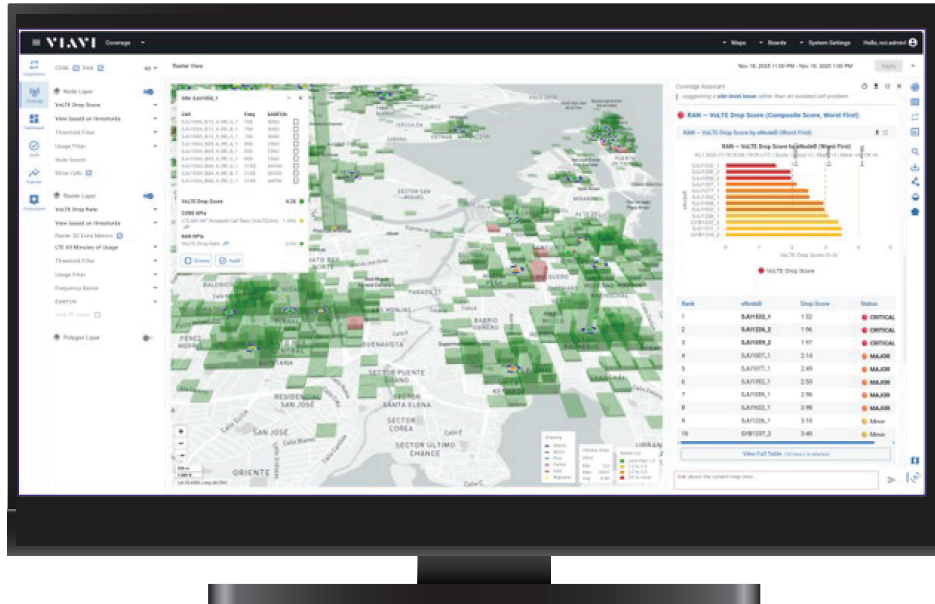
MCP Data Access

- CP/UP/VQ KPI Metrics across all Core nodes
- Roaming KPIs by PLMN and VIP
- Per-Subscriber CEM Data
- Alarms and Anomaly Database
- Packet Diagnostics — sequence diagrams, decodes, PCAP download

Use Cases

- KPI and Subscriber Analytics — query KPI stats across all MME and SGW nodes, drill into cause code breakdowns, and surface impacted subscribers with recommendations.
- Packet Diagnostics — pull the call flow, decode the failing packet, identify the exact IE field triggering the fault, and download the PCAP, all in one session.

NITRO LI AI EXPERT



NITRO LI AI Expert: Geolocated RAN view with augmented AI Assistant

NITRO LI AI Expert brings the full depth of NITRO Location Intelligence's geolocated RAN data to every user on your team. Ask about a cluster, a subscriber, an area or a specific cell and get back the kind of analysis that previously required a dedicated RF engineer and half a working day.

MCP Data Access

- Geolocated Subscriber KPIs – down to building level
- CQX/CQE Quality Scores across cells, clusters, and regions
- L3 Signaling and Handover Data
- Digital Twin Optimization Engine

Use Cases

- **Cluster Quality Analysis** – CQX report with worst-offender rankings, RF metrics, root cause, and a prioritized action plan.
- **Subscriber L3 Analysis** – full RRC, handover, CQI, drops, complete ladder diagram, and root cause with remediation steps.
- **Digital Twin Optimization** – baseline KPIs, what-if forecast, and antenna parameter recommendations per cell before any change is made.
- **Crossed Feeder Detection** – AI-driven analysis across sites and cells, a task that was previously manual and time-consuming.

WHY VIAVI?

Instant Analysis

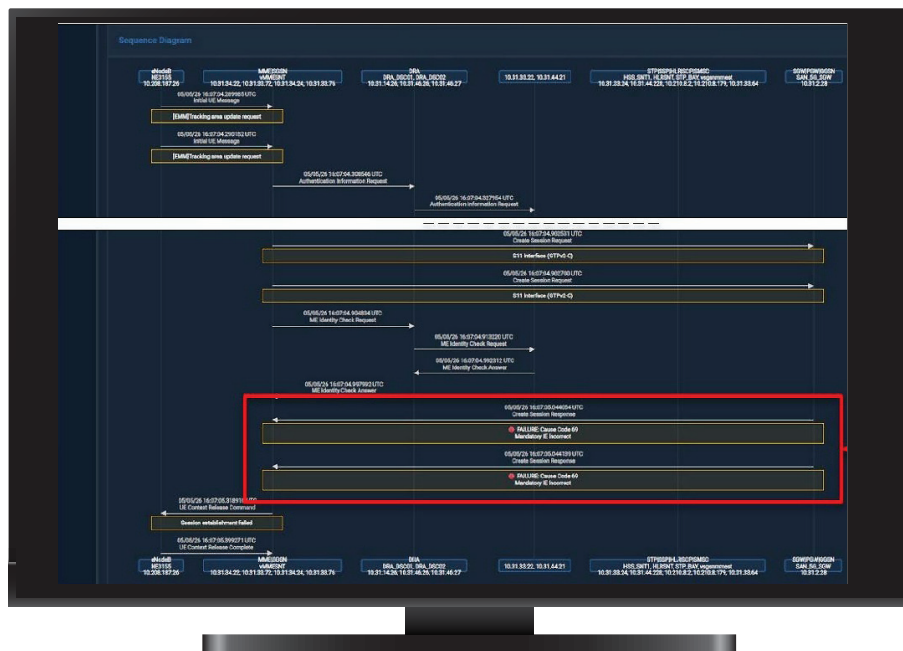
Any question, any user, expert-level answers in seconds.

Ground Truth

Every insight drawn from actual packets and geolocated RAN events, not vendor counters.

Data Sovereignty

Full control over where your LLM runs. Your network data never leaves your environment.



AI Expert tracing a fault to exact packet level – Core packet sequence diagram

Deepest Data

Nearly one billion subscribers geolocated daily, every packet captured across 2G through 5G SA, zero sampling. When NITRO AI Expert analyses your network, it reasons over ground truth.

Vendor Agnostic

Works across Nokia, Ericsson, Huawei and Samsung from a single interface, with full flexibility over LLM deployment and no model lock-in. One platform, any network, AI intelligence included.

The right data. Now with AI Intelligence to unlock it.



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