OcientAIQ for Network Operations

One joined view across RAN, transport, core, OSS, and BSS

The Problem

Network operators aren't stuck on the path to Level 4 autonomy because the models are missing — they're stuck because their data foundations are fragmented. RAN telemetry, transport counters, core events, signaling traces, OSS alarms, EMS capacity data, change records, and subscriber impact often sit in separate systems with separate retention windows and query paths.

When service degrades, the cause rarely stays inside one domain. A customer-impacting issue may begin as RF degradation, transport congestion, a core policy change, a failed maintenance window, or some combination of all four. Finding the answer means stitching together topology, alarms, counters, changes, and subscriber impact across tools — often after the window to act has already narrowed. The hardest questions are cross-domain by nature:

What is degrading?
Identify cells, routes, services, or regions trending toward failure before customers feel the impact.

What is causing it?
Join topology, alarms, counters, changes, and subscriber outcomes to separate symptoms from root cause.

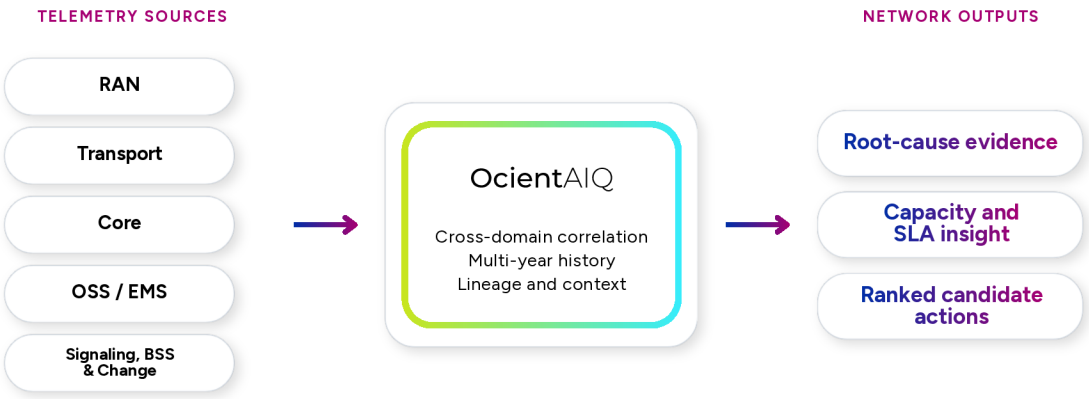
What should happen next?
Rank capacity, policy, vendor, or remediation options with evidence existing network systems can act on.

The Solution

OcientAIQ™ gives network operations teams one full-fidelity foundation for cross-domain telemetry. RAN, transport, core, OSS, EMS, signaling, change, and subscriber-impact data can be retained, joined, and analyzed against multi-year history in a single query surface.

OcientAIQ does not replace your network-management estate. It supplies the joined data products, ranked findings, and traceable recommendations those systems need, so your existing NMS, IBN, RIC, and automation platforms can act with fuller context.

From Network Signals to Ranked Actions



Full-fidelity telemetry joined across domains, with recommendations handed off to systems that act

© Ocient 2026

How OcientAIQ Powers Network Operations

Unify cross-domain telemetry.
Bring RAN, transport, core, OSS, EMS, signaling, change, and subscriber-impact data into one full-fidelity analytical foundation.

Find root cause faster.
Join alarms, performance counters, topology, signaling, changes, and customer impact without a manual engineering project.

Detect degradation earlier.
Score network behavior against historical baselines to surface outage precursors before they become service-impacting events.

Plan capacity using real history.
Model demand, utilization, energy, subscriber experience, and CapEx tradeoffs against your actual telemetry corpus.

Support intent-based operations.
Feed ranked mitigations and policy candidates to your existing IBN, NMS, RIC, and automation platforms.

Keep operations traceable.
Attach lineage to the data products and recommendations that inform network actions, audits, and post-incident reviews.

What Makes OcientAIQ Different

Built around the cross-domain join. OcientAIQ works from the retained full-fidelity record set, not sampled data, summarized extracts, or manually rebuilt histories.

Existing tools stay in place. OcientAIQ supports your NMS, IBN, RIC, OSS, and automation estate; those systems act while OcientAIQ serves the governed audience.

Designed for autonomous-network readiness. OcientAIQ turns fragmented telemetry into governed, multi-domain data products that Level 4 systems can use to recommend actions with confidence.

One foundation. Six solutions. The same IPFIX, signaling, CDR, topology, and subscriber-impact data products can support network operations, threat detection, compliance, and revenue operations.

Value at Every Stage

Observe
Retain full-fidelity telemetry across RAN, transport, core, OSS, EMS, BSS, and signaling.

→

Correlate
Join topology, alarms, counters, changes, and customer impact in one cross-domain view.

→

Predict
Surface degradation, capacity pressure, and outage precursors before service impact.

→

Prescribe
Rank candidate mitigations with evidence, operational context, and policy constraints.

→

Act
Hand off recommendations to your existing automation and network-management estate.

Ready to move from network visibility to autonomous operations?

sales@ocient.com ocient.com

© Ocient 2026