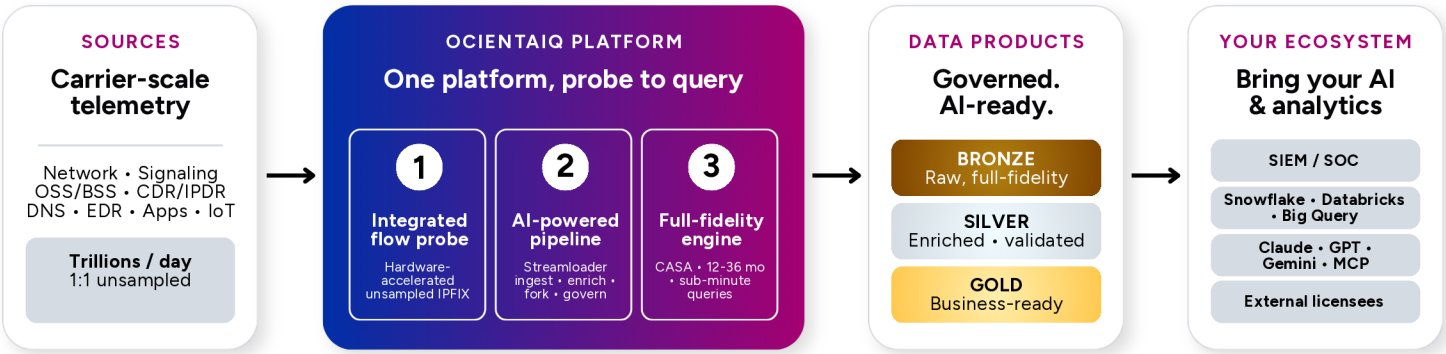
Your network generates the data. OcientAIQ makes it work for AI.

Full fidelity. Every answer. Predictable economics at scale.

Every major carrier already has the telemetry needed to run a more autonomous network — RAN KPIs, signaling, probe data, billing records, OSS events. The problem is that it lives in separate stacks with separate retention horizons and no common query surface. TM Forum, GSMA, Nokia, and Ericsson have each independently identified data fragmentation — not AI model capability — as the primary bottleneck on the Level 3 to Level 4 transition. The models exist. The data foundation does not, at most operators. OcientAIQ™ builds that foundation.

The Operating Model: Telemetry as a Service

OcientAIQ's telemetry-as-a-service operating model turns any new network data source into a governed data product in days, not months. Any probe feed, signaling stream, or OSS event log becomes a product with its own schema, SLA, access model, and full lineage back to the source records that produced it. Products are tailored to a use case, composable with each other, and push to whatever AI ecosystem you already run — Databricks, Snowflake, Azure AI, or your own agents — with complete lineage on every result.



> I have worked in this industry since the mid-90s and been involved in countless projects with third-party vendors. This experience with Ocient has been the most rewarding — not only for the product itself, but for the outstanding support we received throughout the entire process.
>
> **— Operational Manager, US Tier 1 Telco**

OcientAIQ™

One foundation. Six solutions. Compounding value.

The foundation is the OcientAIQ Unified Data Platform. The operating model is telemetry as a service. The unit of value is the data product. Each of the six solution areas below is built on all three — aimed at a distinct buyer, owning a specific set of governed data products and compounding in value as adoption grows.

Lawful Disclosure & Compliance

Retain every CDR and ICR record at full fidelity for the mandated window. Respond to warrants in seconds, with defensible lineage ready for counsel or regulator.

Threat Detection and Response

Join years' worth of full-resolution flow, log, DNS, and signaling data in a single query — and hunt across the full life of an intrusion.

Network Operations

Unify RAN, transport, core, OSS, and BSS telemetry on one governed platform — and lay the data foundation for Level 4 autonomous operations.

AI Factory Operations

Join GPU, fabric, scheduler, storage, and facility telemetry across multiple years to recover utilization, accelerate root cause, and support SLA operations.

Customer and Revenue Operations

Join full-fidelity CDR to subscriber, network, and product data for real-time revenue assurance, fraud detection, and next-best-action orchestration.

IoT and Edge Operations

Ingest device telemetry at carrier rate and turn it into operational decisions in seconds — with geospatial and graph analytics built in.

Why OcientAIQ

Full-fidelity joins at AI speed. A 2024 SSB-Flat benchmark showed OcientAIQ completing a join-dominant query approximately 100× faster than ClickHouse, with a 37.8× advantage on a six-query average.

Governance built in from the start. Lineage and provenance are embedded in the context agents use to generate answers, so teams can verify the data behind every response and support EU AI Act and GDPR programs without retrofitting controls.

Predictable economics. Priced by capacity, not by query. Infrastructure TCO reduction of 50-90% versus legacy stacks. Each additional solution area lands at a fraction of the marginal cost of the first.

Works with your AI ecosystem. OcientAIQ builds and maintains the structured context your agents need to work on production analytics — not demos.

Ready to learn more? Talk to our CSP experts.

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