

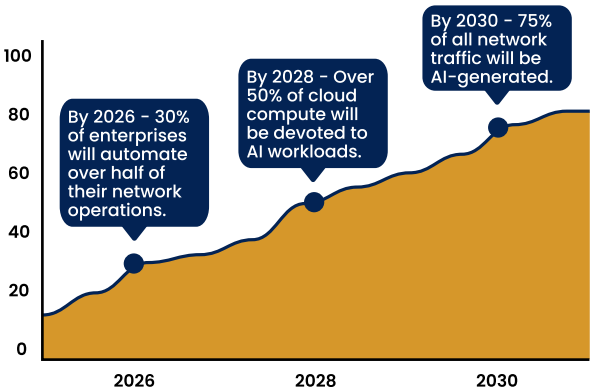
Is Your Network Ready for the AI Shift?

The path to scalable, intelligent, and future-proof infrastructure

We’re at a critical turning point. Artificial intelligence isn’t just changing applications—it’s redefining how networks operate, scale, and deliver value. As AI-driven workloads surge, traditional infrastructure is hitting its limits. To stay competitive, service providers must transform their networks into agile, intelligent platforms that are ready for real-time demands, decentralized data, and rapid innovation. The question isn’t if your network needs to evolve—it’s how fast you can make it AI-ready.

1. The AI Inflection Point

AI isn’t just another trend, it’s fundamentally changing how data moves, decisions are made, and value is delivered. And it will become mission critical for network service providers going forward and very soon.

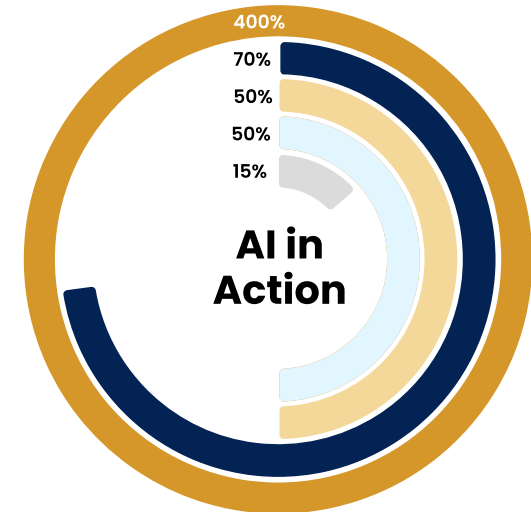


AI is reshaping operations, expectations, and competitive advantage. But it’s also exposing the limits of legacy infrastructure, centralized workflows, and static provisioning.

To keep pace, networks must evolve. And that means building smarter, more agile, AI-ready environments.

3. Use Cases in Action

AI is already creating measurable benefits across the network lifecycle:



- Security & Shadow AI Management**
 - Corporate data input into GenAI tools has quadrupled in one year (March 2023–24).
 - Shadow AI detection enabled via SASE and behavior-based AI threat detection.
- Predictive Maintenance & Observability**
 - Reduced incident alerts by 70% (Orange with Augtera).
 - Proactive fault triage based on real-time AI insights.
- Digital Twins for Capacity Planning**
 - Enabled proactive simulations to prevent network bottlenecks.
 - By 2026, 50% of network vendors will offer digital twin capabilities (Gartner).
- AI in Customer Service**
 - GenAI tools save 10+ minutes per ticket.
 - RCA report 50% creation time cut from 8 hours to 4 hours using LLMs.
- Sustainability & Efficiency**
 - Adaptive energy management shows up to 15% savings without performance degradation.

6. How Mavsotech Helps

We’re engineers, architects, and transformation partners. We don’t just advise—we help you execute. At Mavsotech, we support service providers through every phase of AI network evolution:

Strategic Assessment

Evaluate AI readiness, identify high-impact opportunities, and build a roadmap.

Legacy Integration

Enhance existing systems while embedding AI-enabled observability and automation.

Architecture & Design

Engineer modular, scalable, secure infrastructure to support AI growth.

Execution & Enablement

Deploy with embedded teams, program leaders, and managed services.

Security & Governance

Guide shadow AI governance and implement adaptive threat detection.

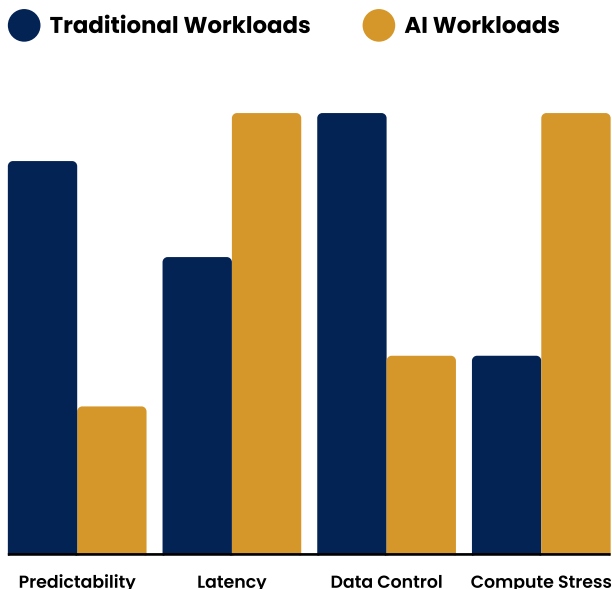
Let’s Build It Together

Your network isn’t just infrastructure. It’s your competitive edge in an AI-driven world.

Contact us to start building an infrastructure that’s ready for the traffic, demands, and possibilities of tomorrow.

2. What AI Changes in Network Environments

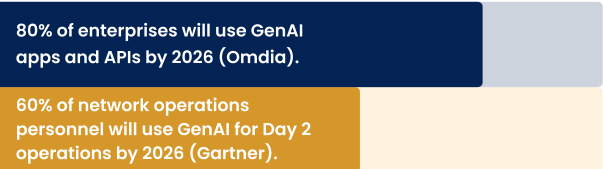
AI applications don’t behave like traditional workloads. They introduce:



These shifts demand networks that are scalable, low-latency, observability-first, and ready to flex around real-time demand.

4. What This Means for Service Providers

Your network is the platform on which every customer experience, operational initiative, and innovation effort depends. AI is now core to that future.



Providers face mounting complexity, new customer expectations, and operational cost pressures—but also the opportunity to:

- Automate intelligently
- Build resilience
- Deliver differentiated services
- Optimize resource use

5. What an AI-Ready Network Looks Like

To unlock AI’s full potential, your network must be:

- Edge-capable** — for distributed inference and minimal latency.
- Observability-driven** — for real-time, predictive monitoring.
- Latency-optimized** — to handle real-time response loops.
- Secure by design** — with anomaly detection, SIEM/SOAR, and shadow AI controls.
- Composable & modular** — ready for new tools, APIs, and models.

