



Brochure

EdgeXcelerate

AI-Powered Integrated Edge
Transformation for Real-Time,
Distributed Intelligence



Introduction

Enterprise decision makers are faced with highly distributed operations. To make real-time decisions they want intelligence closer to machines, assets, and field environments that generate data. However, legacy systems with their latency, sovereignty, and compliance constraints are unable to meet these needs. The solution lies in building a distributed, secure, and AI-ready edge foundation.

LTM's EdgeXcelerate brings together everything organizations need at the edge - compute, data, networks, security, and AI - in one integrated offering. Powered by BlueVerse™ and built on deep engineering heritage and strong industry experience, EdgeXcelerate makes edge adoption faster, safer, and easier across IT, OT and ET.

The result: quicker decisions, stronger compliance, resilient operations, and clearer value from the data closest to your business.

Business Imperatives

By 2027, ~75% of enterprise data will be locally processed, led by real-time intelligence at edge giving rise to new business imperatives¹:



Proven industrial AI use case at the edge driving the demand for full stack digital services with low administrative overheads.



Matching ultra-low latency requirements that make cloud-only processing impractical for mission-critical workloads.



Delivering personalized, adaptive experiences for instant responsiveness, persona-based services, reliable offline functionality, and user-centric design.



Meeting regulatory, privacy, and data-sovereignty requirements that restrict cross-border and cross-site data movement.



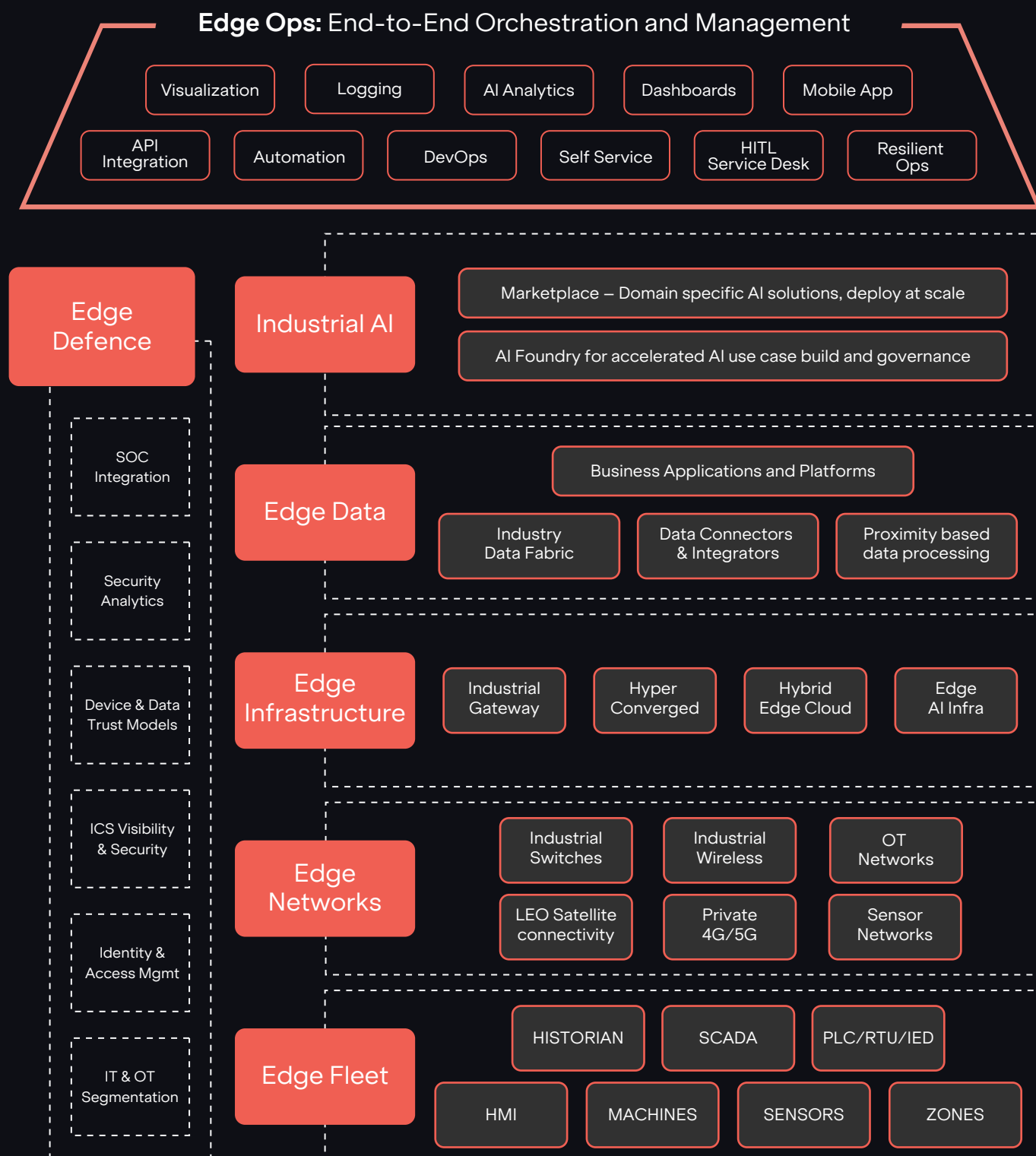
Overcoming remote and harsh operating conditions that limit connectivity and access to central services.



Addressing distributed security exposure that increases risk across devices, networks, and industrial systems.

Our Solution: EdgeXcelerate Integrated Edge Framework

EdgeXcelerate delivers a pre-validated, modular, end-to-end edge services stack. It connects people, machines, locations, and processes, to create autonomous, real-time operational intelligence across the enterprise.



Key Solution Towers

EdgeXcelerate helps systems perform better, improves reliability, and brings clearer real-time insights for mission-critical work. At the same time, it protects network assets, secures data in transit, and keeps distributed sites running smoothly and within compliance.



Industrial AI

- Industrial Copilots, domain-specific micro and nano LLMs, digital twins
- Dedicated AI platform for Sovereign AI and hybrid deployments
- Real-time analytics and context-aware operational intelligence
- AI Assistants and Agentic framework driving automation, efficiency and innovation



Edge Infrastructure

- Compact, portable, ruggedized micro-datacenters at the edge AI
- Hybrid and mobile edge cloud models with unified orchestration
- Containerized environments supporting regulated, region-bounded deployments
- Purpose built infra stack offering GPU management, GPUaaS with flexible commercial models



Edge Networks

- AI-powered Software-Defined Networks driving IT & OT convergence
- Private 5G and LEO satellite based ultra-reliable connectivity
- Micro-segmentation and Zero Trust models for advanced security
- Centralized end-to-end network management, automation and orchestration



Edge Fleet

- Integrated device, sensor, PLC, HMI, SCADA, historian, and IIoT ecosystem
- M3L-based connected worker, machine, and material solutions
- Access to Insight NXT, Asset NXT, Material NXT, Worker NXT, ESG NXT



Edge Data

- Contextualized, democratized proximity-based processing
- Distributed, fault-tolerant industrial data operations
- Connectors and integrators for unification and interoperability



Edge Defense

- Zero-trust enforcement across devices, users, and applications at distributed sites
- Real-time threat detection, malware prevention, and DDoS mitigation at the edge
- Localized data handling to support GDPR, HIPAA, and industry-specific mandates

Edge Ops



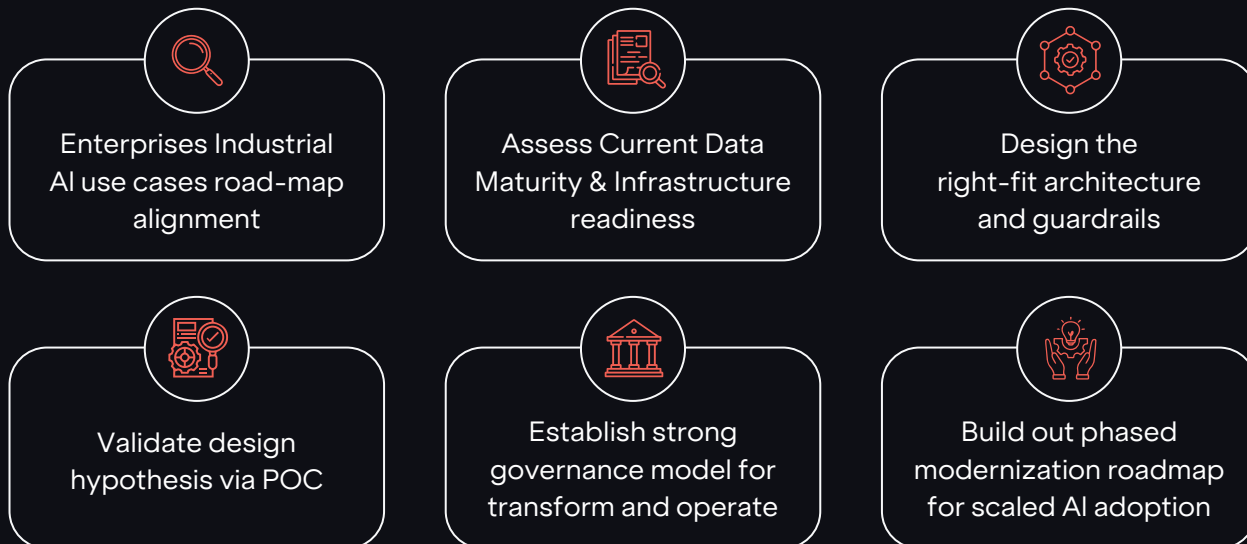
Real-time observability, dashboards, logging, and visualization



Smart Operations & Nerve Centre for unified IT-OT visibility and control

Our Approach

No two edge environments look the same. We use a six-step approach to understand where you are today, define the value you need, and build a roadmap that gets you there.



Business Benefits

EdgeXcelerate helps enterprises expand operational intelligence while reducing cost, risk, and latency based on specific use cases. For instance, deployments have seen:



Success Stories

90% Network Coverage Achieved Across the Plant for a Heavy Engineering Manufacturer

We redesigned the brownfield OT/IT network architecture with WiFi6, 5G, and secure IT–OT separation to support the client's Industry 4.0 vision. This enabled consistent, scalable connectivity, removed dead spots, and cut TCO by 50% through optimal solution design and vendor rationalization.

30%+ Faster Device Provisioning and 90%+ Asset Visibility for a Global Energy Company

We modernized PCN/OT networks across 20+ sites, implementing 5G, LoRaWAN, CURB technologies, Zero Trust security, and centralized SOC monitoring. The program improved network throughput by 25% and gave the enterprise unified, automated control of 10,000+ devices and 20,000+ wireless assets.



Why LTM

- **Industry specific solutions** for manufacturing, healthcare, energy, utilities, aerospace, automotive, and enabling rapid deployment and scalability.
- **EdgeXcelerate** supports 600+ hardware SKUs across Nvidia, Intel AMD and has pre-set deployment configuration for about 200+ model providers.
- **BlueVerse™** offers AI foundry and marketplace to speed up and democratize AI agent development and deployment at the edge.
- **Armada.AI infrastructure** for self-sufficient, low-bandwidth edge compute capabilities in challenging or distributed environments.
- **Strong ecosystem partnerships with industry leaders** across hardware, cloud, industrial platforms, and network OEMs.
- **Proven experience** delivering global OT and edge transformation programs across industries.
- **Commercial Flexibility** offering the AI-Optimized infrastructure stack either in an as-a-service model or through OEM-specific deployment models.
- **Recognized by industry analysts** including Gartner, ISG, RadarView, Forrester and Avasant.
- **Global scale** with 500+ consultants, 20+ years of engagement experience, and 100+ clients.
- **Strong engineering heritage** through the L&T Group.



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LTM

It's time to Outcreate

Accelerate Your Edge Transformation with EdgeXcelerate.

Connect With Us At cis.pulse@ltm.com