

# 2026 The Edge Computing Pivot: Privacy, Control, and Latency

## 01 The Technology Trend and Landscape

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### SaaS Fatigue and Edge Awakening

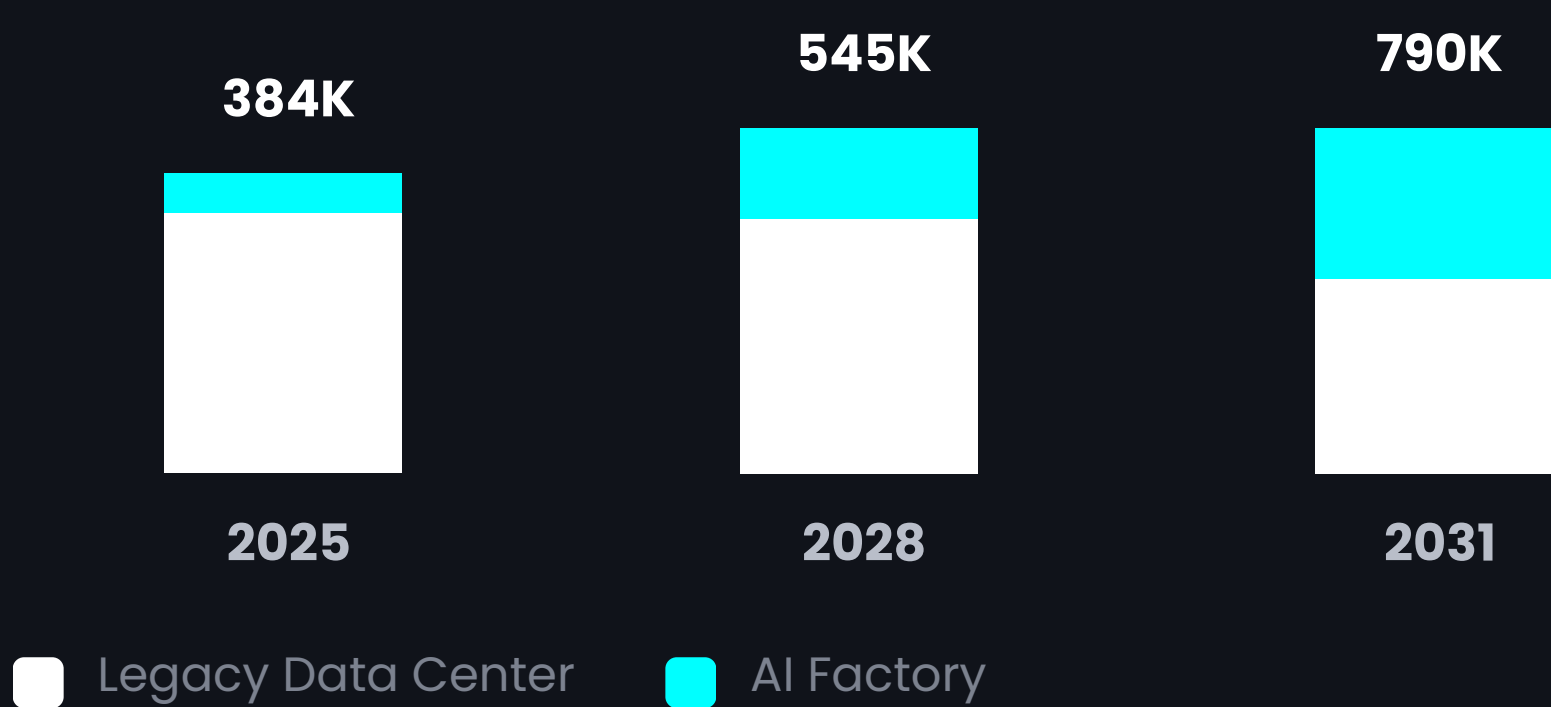
SaaS fatigue and edge awakening are eroding the case for the centralized cloud. Enterprises want to reclaim and optimize their AI computing power, accelerating the development and deployment of edge infrastructure.

### From Cloud-First to Distributed Autonomy

Rising edge reliability is overtaking centralized power and management – moving enterprises away from cloud-first architecture toward distributed autonomy.

#### The Shift to Inference Economics

By 2025, inference is projected to account for two-thirds of all AI computing power, making decentralized infrastructure a financial imperative.



#### Data Center vs AI Factory Global Spendings

Numbers shows massive shift of data centers towards AI Factories. Enterprises need to understand how they can leverage Edge AI.

Segment	2025	2031
Legacy Data Center	332,544	441,717
AI Factory	51,456	348,474
<b>Total Spending</b>	<b>384,000</b>	<b>790,191</b>

## 02 Trends Driving the Shift from Centralized to Distributed AI

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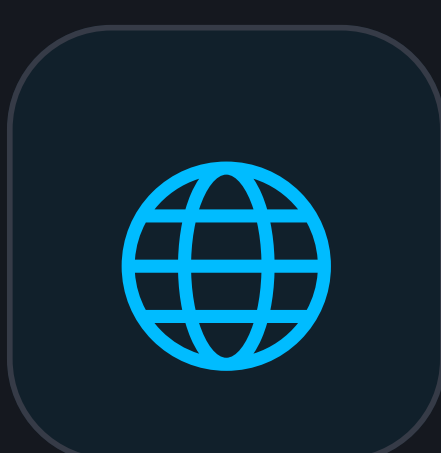
Erosion of Hyperscaler Dominance



Data Sovereignty and Regulation



Transition to Inference Economics



Rise of Domain-Specific and "Tiny" Models



Escalating Compute and Energy Constrains



The Critical Role of Renewable Energy

**03 Industry Spotlight: Who Wins at the Edge**

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**Financial Services**

Real-time fraud detection at the transaction edge



**Government**

Digital sovereignty over sensitive national data



**Defense**

Tactical intelligence in disconnected environments



**Healthcare**

Patient privacy kept on-premise

**04 Three Scenarios Where Edge Outperforms Cloud**

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Where privacy, control, and latency are decisive, edge deployment delivers outcomes the centralized cloud cannot match. Three scenarios illustrate the pivot.

**Focused Scenario: Organizational Meeting Intelligence**



**AI-Powered Meeting**

- **Real-time transcription** - organized, live capture of every conversation.
- **Automated summarization** - instant notes and structured recaps.
- **Task management** - automated action items and follow-up support.
- **Data sovereignty & privacy** - increased, on-premise data protection.

**SOLUTION FEATURE**

**AudioCodes Meeting Insights**

**Voice AI for the enterprise**

- **Voice AI** - unified communication integration across the stack.
- **Unified communication integration** - broad support for the full meeting workflow.
- **Deployment options** - Cloud & On-Prem to match any environment.

**Secure Field Service & Zero-Connectivity**

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- **Local model updates** - mobile inference without a live connection.
- **Agentic support** - autonomous assistance in the field.

**Mission-Critical Industrial Automation**

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- **World models & safety** - vertical AI for tasks such as welding.
- **On-site computing** - real-time control of machines and equipment.

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