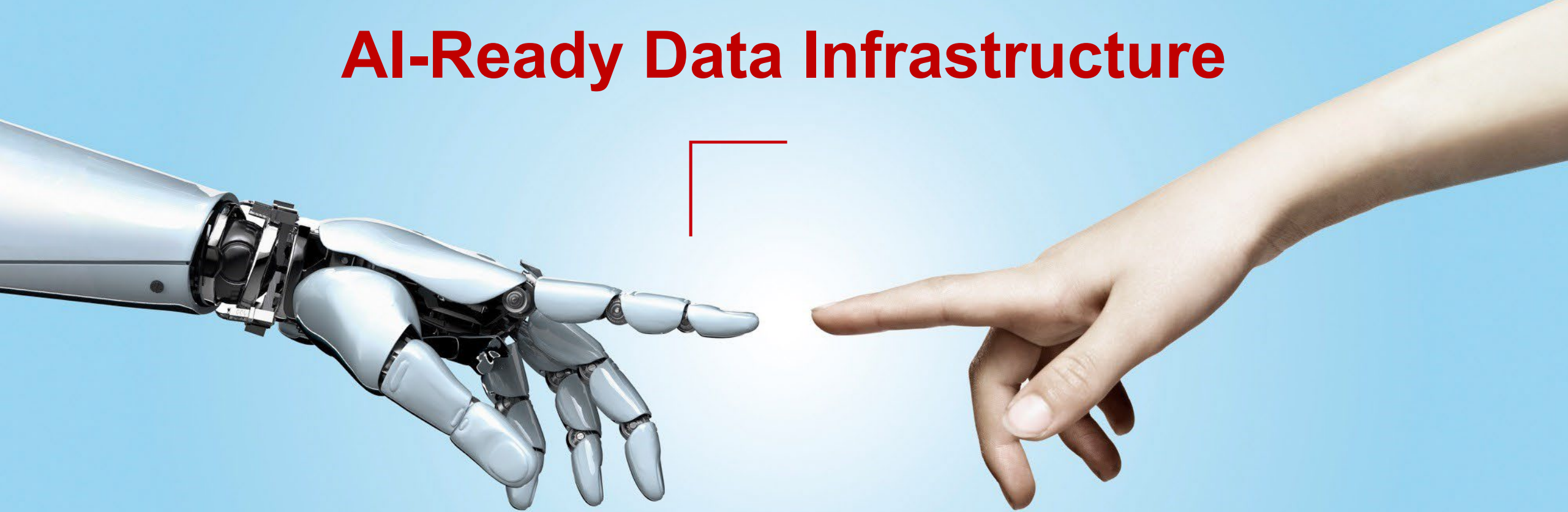


# AI-Ready Data Infrastructure



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Enterprise Business Group

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# The Foundation for AI Transformation

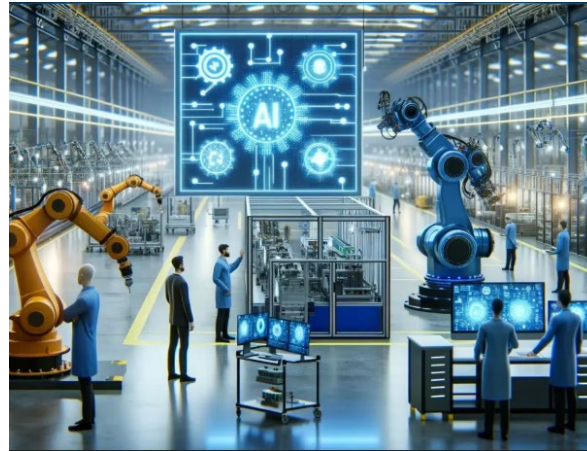
- **Artificial Intelligence (AI) is reshaping industries through data-driven innovation.**
- **High-performance data infrastructure is critical to support AI workloads.**
- **Transitioning to AI-Ready infrastructure is no longer optional—it is strategic.**



# Industry Adoption of Large AI Models



- Applied in finance, healthcare, telecom, manufacturing.
- Enable automation, optimization, and intelligent services.
- Shift towards domain-specific foundation models





# Why Focus on Data Infrastructure in the AI Era?

*AI models require massive, fast, and reliable access to data.*



**Quality of AI outcomes depends heavily on the underlying infrastructure.**



***Infrastructure bottlenecks can limit AI potential despite strong algorithms***

# Core Characteristics of AI-Ready Infrastructure

**Openness  
&  
Interconnection**

**Seamless data flow across systems and domains**

**Intelligence  
&  
Agility**

**Real-time data processing and dynamic scalability**

**Resilience  
&  
Compliance**

**Strong protection, encryption, and lifecycle governance**

**Sustainability**

**High energy efficiency & green data center design**

# The Strategic Role of Infrastructure in AI

- AI success depends on data quality, availability, and speed.
- Poor infrastructure = wasted GPU cycles and delayed AI outcomes.
- Enables faster training, better model performance, and scalable AI deployment.





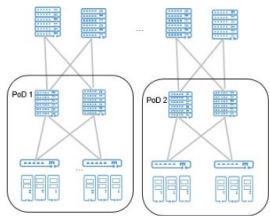
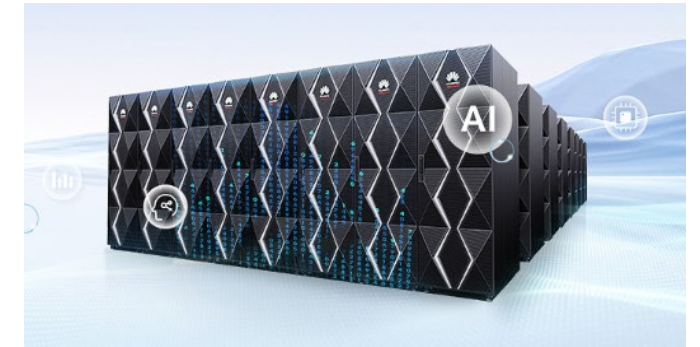
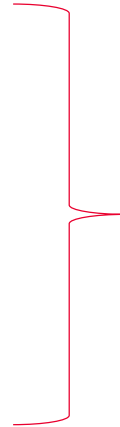
# Key Challenges for AI Infrastructure

- Fragmented data silos and poor visibility.
- Insufficient cluster utilization and wasted GPU capacity.
- Inconsistent and unreliable data sources.



# Optimization Needs

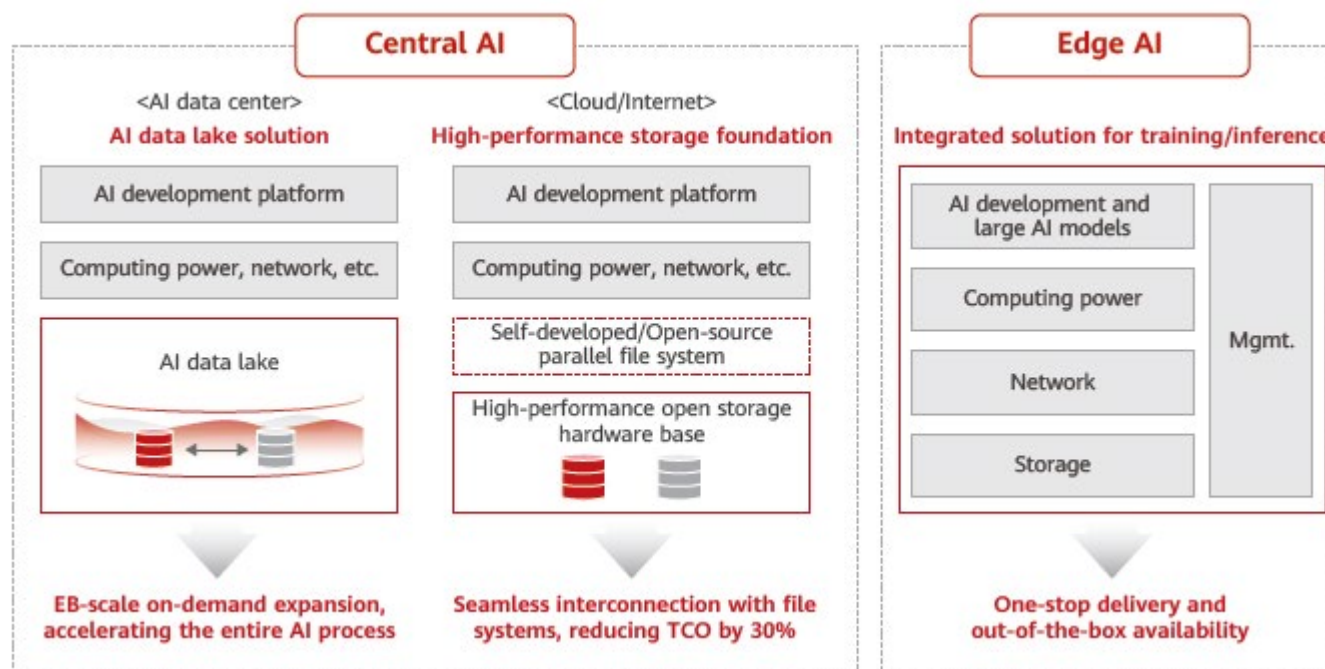
- Clusters require linear scale-out capabilities.
- Minimize GPU wait times through strong I/O throughput.
- Streamlined storage and transport for AI training workloads.





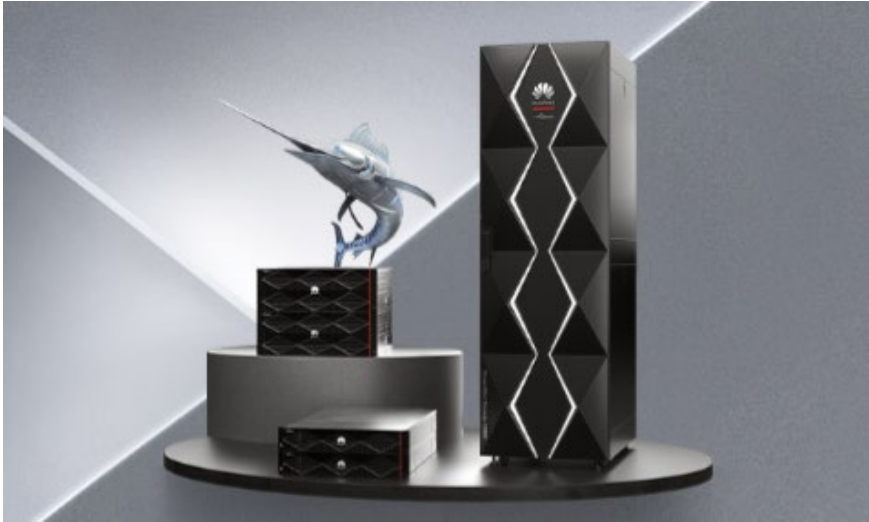
# Three Key Deployment Scenarios

- **Intelligent Computing Centers:** Centralized training and processing.
- **Cloud/Internet:** Elastic capacity and multi-region access.
- **Edge Training:** Low-latency, real-time inference at the edge.



# Technology Pillars

- High-performance GPUs and scalable clusters.
- Efficient, AI-optimized storage
- High-bandwidth, low-latency networks.



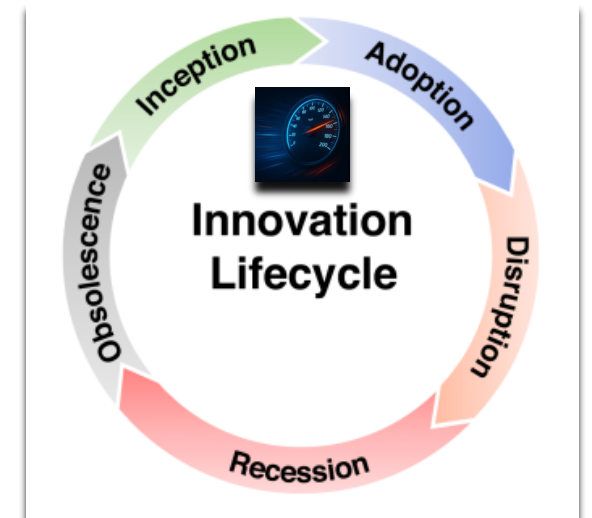
**OceanStor**



**CloudEngine**

# Real-World Benefits

- Increased operational efficiency.
- Enhanced data security and compliance.
- Faster time to value and innovation cycles.

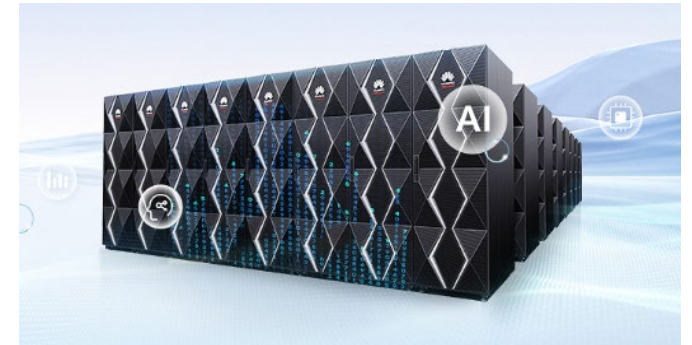
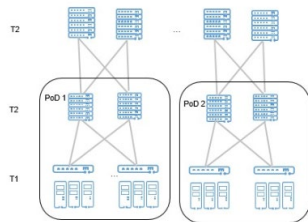




# Strategic Takeaways

- Infrastructure is the enabler of AI transformation.
- AI-readiness = Agility, Reliability, Scalability.
- Invest now to stay competitive in the AI era.

99,9999 %



# Thank You!

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Huawei – Enterprise Business Group