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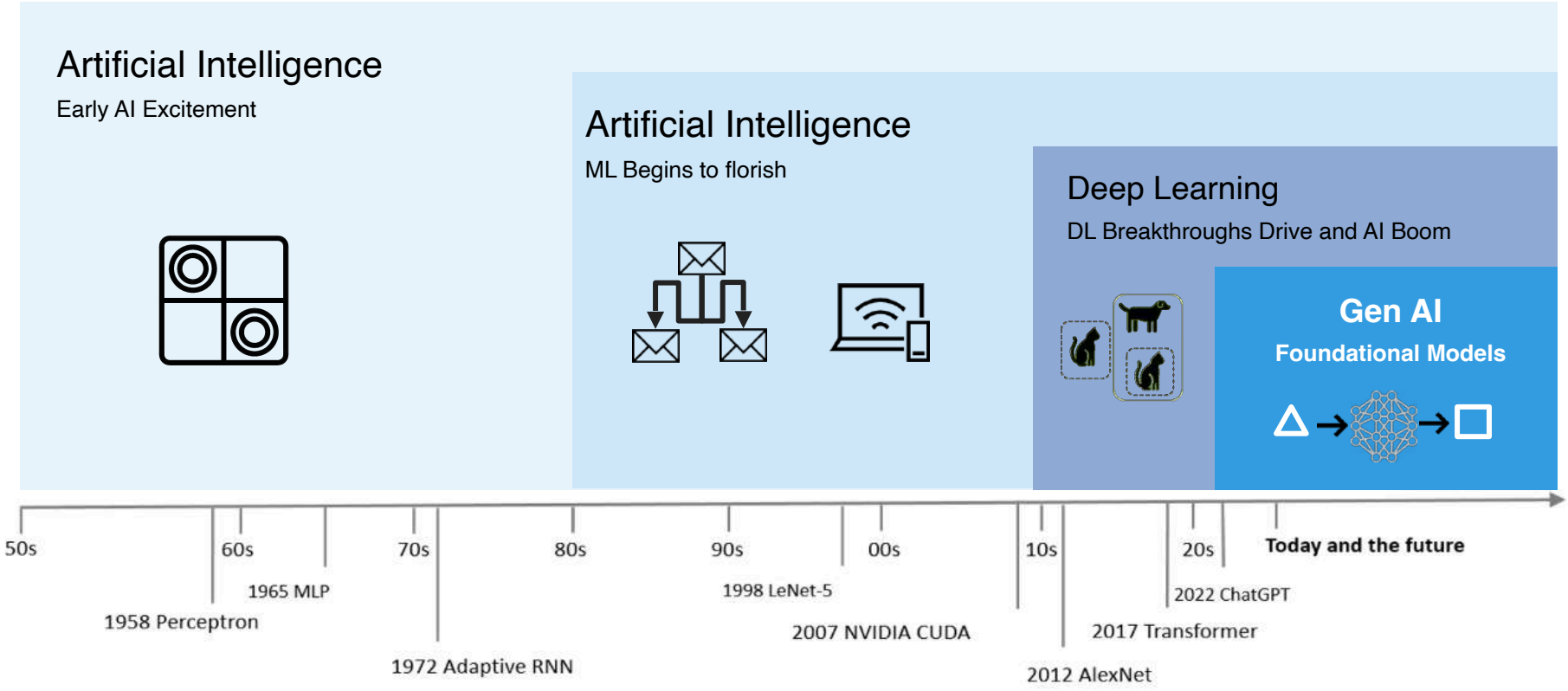
AI Done Right

Simplifying AI Solutions for Your Organization

Veebs Devendran
Sales Specialist
AI & High-Performance Data Platforms

The Evolution of AI



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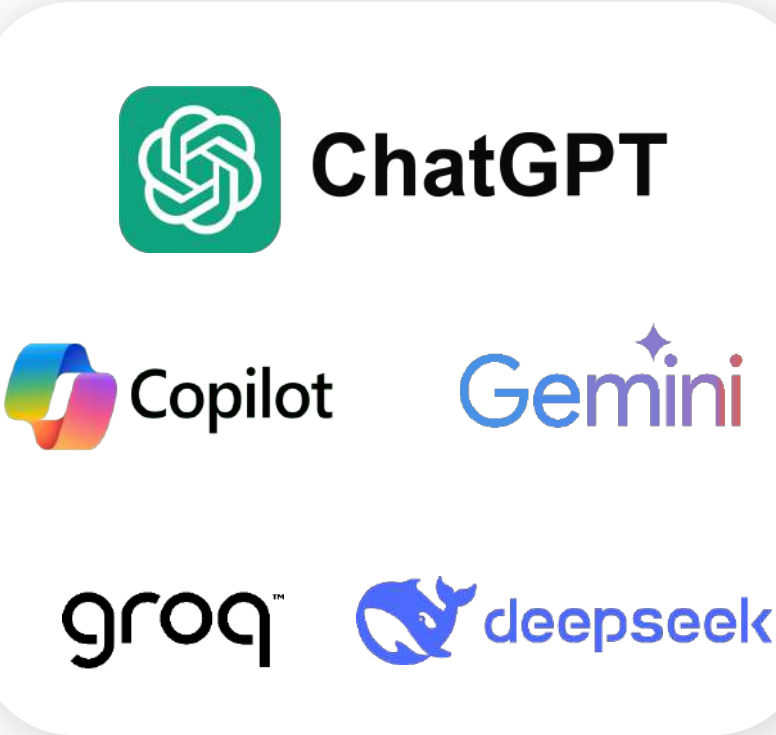
Current Market

- *A New Wave of Innovation*
- *Democratization of AI*
- *Unlimited Potential*



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Technology Hype Cycle

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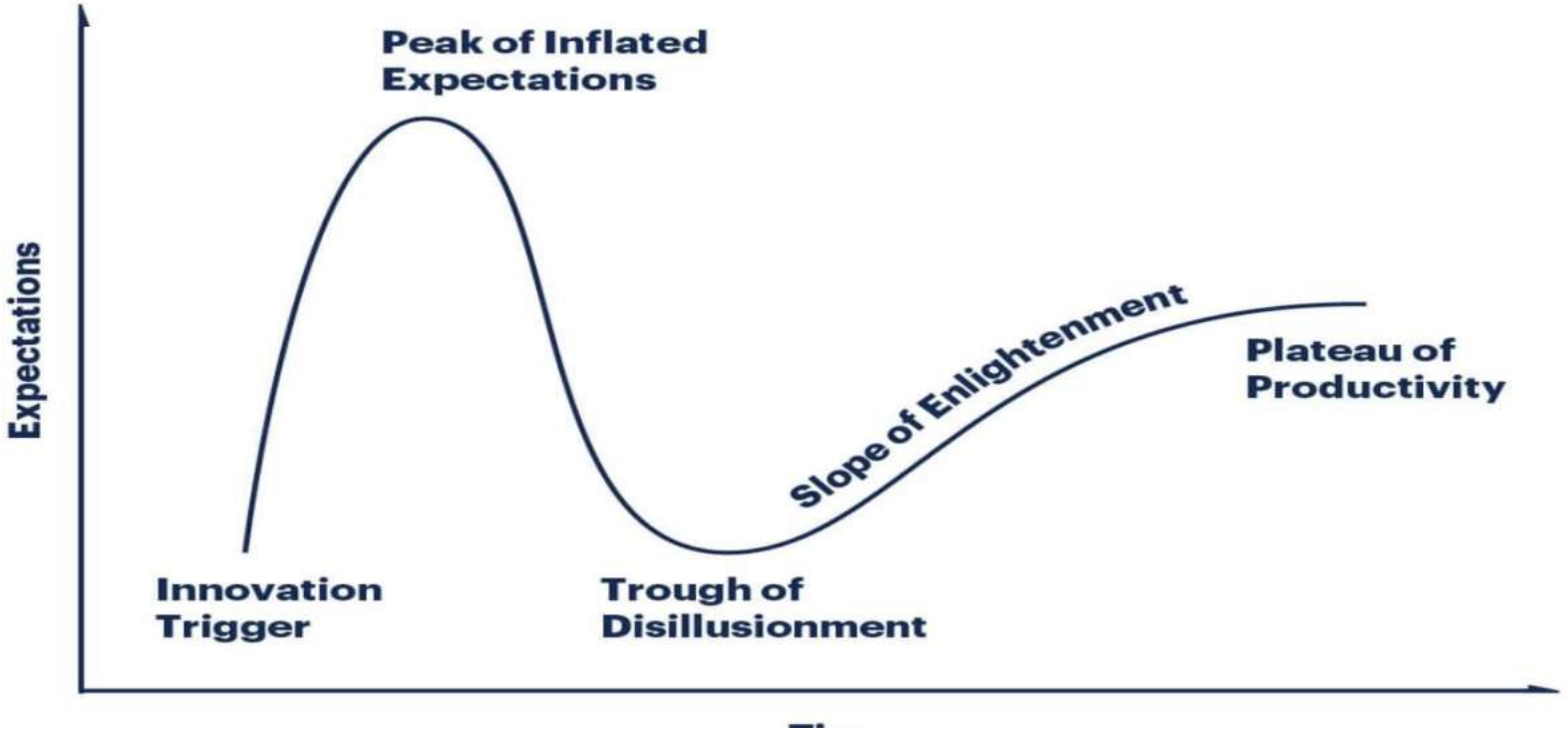
Where would you position AI?



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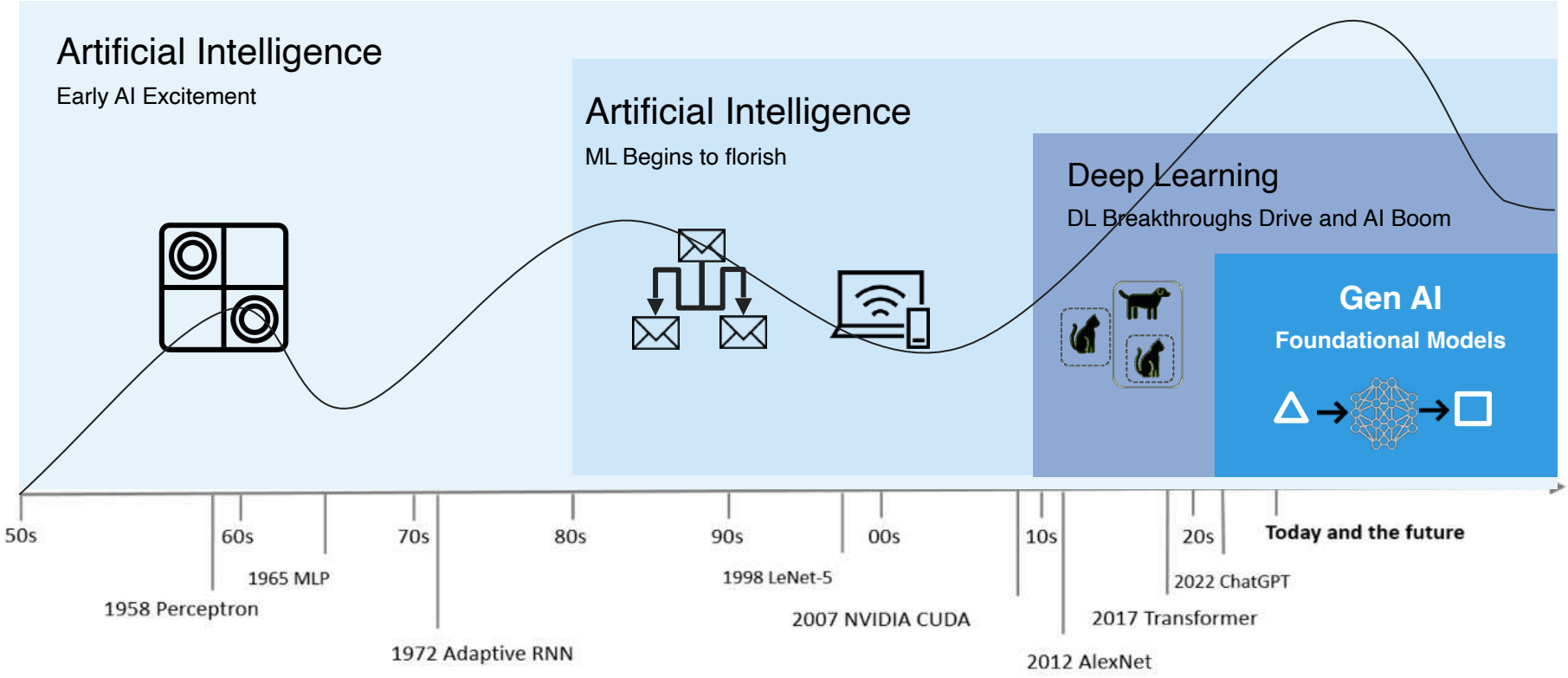
The Evolution of AI



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Welcome in AI land

NEWSLETTERS · CFO DAILY

MIT report: 95% of generative AI pilots at companies are failing

BY SHERYL ESTRADA
SENIOR WRITER AND AUTHOR OF CFO DAILY

August 18, 2025 at 6:54 AM EDT

WORLD ECONOMIC FORUM

ENERGY TRANSITION

Why we must harness technological convergence for a greener AI energy future

Aug 8, 2025

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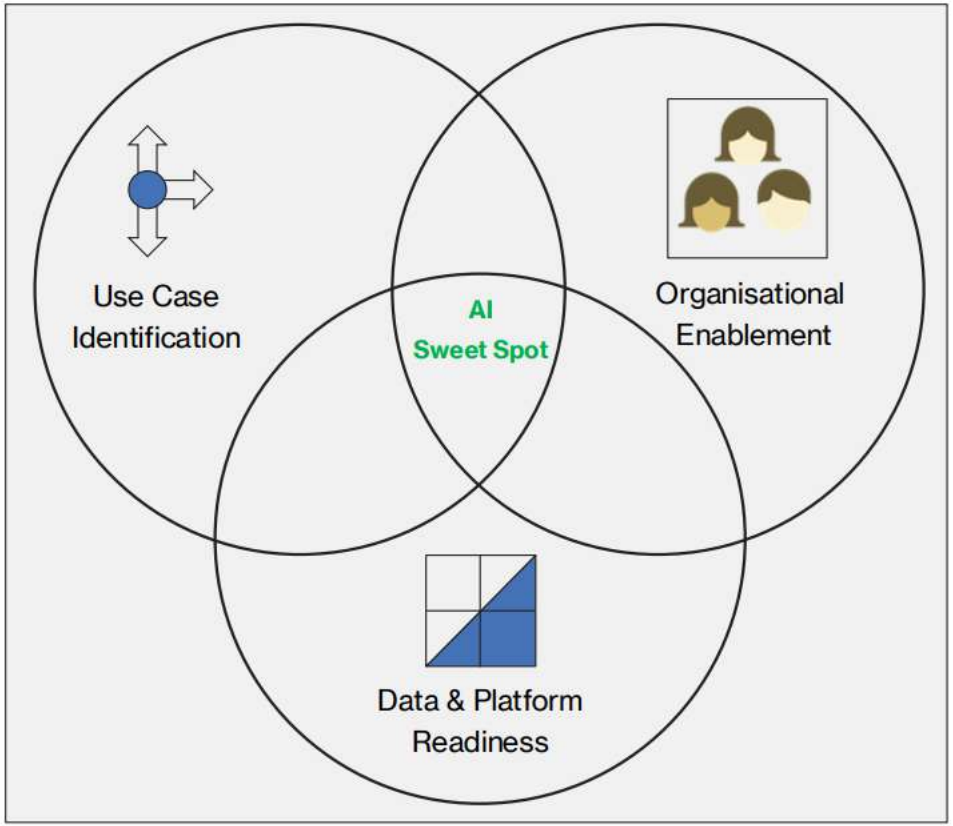
Why?



Business value first, not a Data & AI first approach!
Start at the problem the business wants to solve, and work backwards to **how AI can** help & **what Data is required.**

- **Value Up**

What **new offerings** or **services** can companies create from data and AI?

- **Cost Down**

Opportunities for **meaningful efficiency gains** and **cost reduction**…

- **Resilience**

How can data and AI help to **foster business agility** and prepare for **unpredictable times**?

- **Execution Considerations**

Availability of human capital, data & platform assets and organisational inertia.

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Expectation Meets Reality

AI Expectations

- Innovation and Improved Revenue Streams
- Unlock Potential of Employees and Organization
- Reduce Cost of Business and Improve Efficiency

AI Reality

- No Clear Starting Point
- Lack of Expertise
- Misunderstood Cost

Hitachi can help bridge the gap

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Hitachi Group

Hitachi Energy

Hitachi Healthcare

Hitachi Rail

Hitachi Automotive

zerCarbon

Hitachi Digital Engineering & AI Solutions (DEAI)

Hitachi Digital Services

METHOD

GlobalLogic
A Hitachi Group Company

Hitachi Vantara

Hitachi Solutions

Automation

943	320,000+	$3.4bn
Companies	people	R&D

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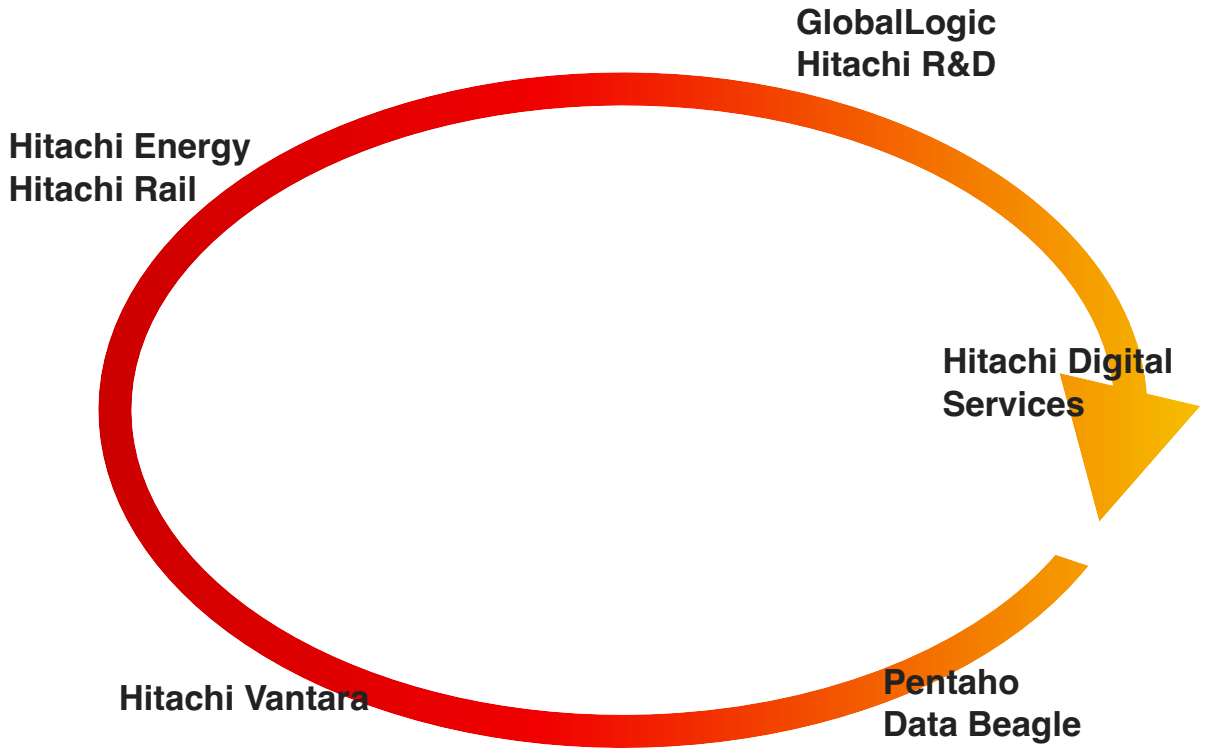
The Sum Of All Parts

Hitachi's End-to-End capabilities enabling our clients AI journey



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We have a Profound impact on everyday life

7:00 AM
Check email

8:20 AM
Navigate the best route to the office

Maps VOLVO

8:45 AM
Grab coffee

9:00 AM
Join a call

ERICSSON verizon

10:00 AM
Pay bills

synchrony

11:00 AM
Check on home package delivery

amazon

1:00 PM
Book a vacation

Expedia

2:00 PM
Find recipe inspiration for dinner

Google

3:30 PM
Schedule prescription for pick up

Walgreens

5:20 PM
Pick up pet from the vet

covetrus

7:20 PM
Check glucose levels

Medtronic

8:00 AM
Stream favorite show

ROKU WARNER BROS. DISCOVERY

10:15 PM
Put on CPAP

ResMed

10:30 PM
Sleep tight

sleep number

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Hitachi Vantara & Nvidia

Collaboration with NVIDIA to Create New Portfolio of Industrial AI Solutions

- Announced in March 2024, at GTC with a clear vison!
  - Next-generation industrial simulation and optimization
  - Hitachi industrial AI solutions on NVIDIA AI Enterprise
  - Development of a new portfolio of AI solutions “Hitachi iQ”

NVIDIA

“Hitachi is unique in the marketplace with their industry knowledge. From bullet trains to storage arrays and everything in-between!” Jensen

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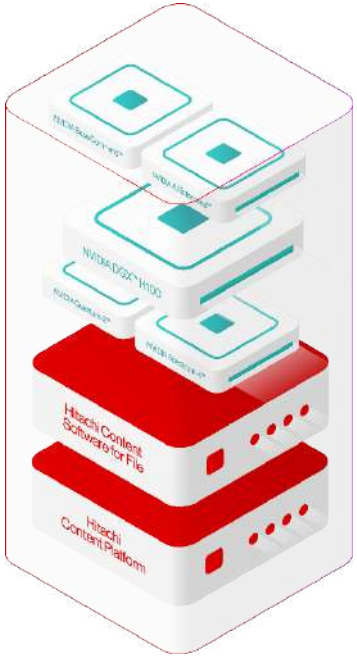
Hitachi iQ
Creating the AI-Ready

AI-Ready Infrastructure

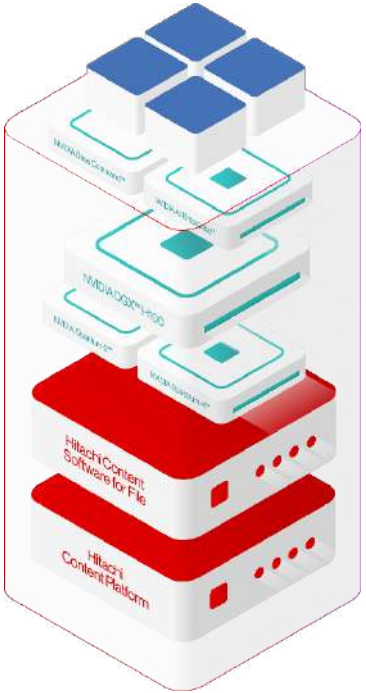


Benefits

Meet performance, scale, efficiency, integration, and reliability demands.

- Single vendor approach
  - Reliable infrastructure
  - Reference architectures
- NVIDIA DGX BasePOD™ certified solution meets the criteria of the "Best" category.
- Scale compute and storage independently
- Improve economics and sustainability

AI-Ready Solutions



Benefits

- Realize faster outcomes with Hitachi led solutions across multiple BU's (Hitachi Digital & Hitachi Ltd.)
- Outcome-led design
- Engineered with Hitachi & NVIDIA Solutions
  - Long history of domain expertise in industries such as rail, energy, manufacturing
- Accelerated integration based on a pre-built foundation
- Bespoke customization & delivery

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Accelerating Transformation Across Industrials

Leveraging Hitachi's 110+ years of domain expertise

Finance

- Credit Card Fraud Detection
- Customer 360
- Algorithmic Trading
- Credit Risk Analysis

Energy

- Predictive Maintenance for Solar Energy
- CO_2 Emissions Forecasting
- Asset Tracking & Monitoring for Solar

Transportation

- Demand Forecasting
- Vehicle Risk Management & Security
- Repair Intelligence
- Real-Time Asset Tracking & Visibility
- Predictive

KNOWLEDGE MANAGEMENT | **PREDICTIVE MAINTENANCE** | **FAULT DETECTION**

Media & Entertainment

- Streaming Platforms
- Render Farms
- Multiverse

Manufacturing

- Asset Predictive Maintenance
- Demand Forecasting
- Supply Chain Risk Management
- Asset Performance Optimization

Healthcare

- Gene Research
- Genome Mapping
- Precision, Remote Medicine

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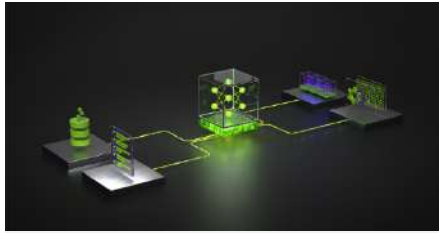
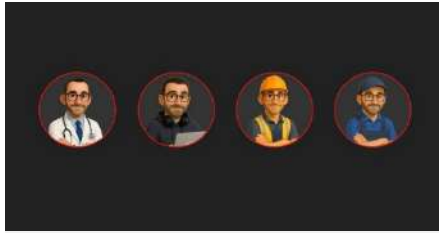
Hitachi iQ

Creating the AI-Ready



AI Solutions

- Comprehensive AI capabilities to develop and delivery AI outcomes
- Measurable improvement in successful AI deployments, providing accelerated ROI
- Industry aligned outcomes designed to support digital transformation with Hitachi Ltd.'s domain expertise



Hitachi IQ Studio

- Pre trained use case for multi verticals
- Supporting flexible on-premises and cloud based platforms, providing inferencing capabilities at scale
- Embedded AI outcomes, utilizing enterprise data for context-based results

AI Engagement

- Deep technical and domain expertise, aligning with our customers business
- Accelerated services modelled to support accelerated adoption & higher rates of success

AI Infrastructure

- Complete portfolio of turn-key AI systems, supporting Agentic, Generation, & Physical AI
- NVIDIA Certified, supporting Enterprise & Cloud workloads (NCP & BasePOD/Enterprise Certified)
- Enterprise Storage to support high-speed inferencing, model fine-tuning, and KVCache

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Hitachi iQ Studio Use Case Focus

Five Strategic Categories

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- Advanced data analytics
- Automated reporting / visualization
- Predictive analytics
- Data mining / business intelligence
- Data cleaning / error correction / integration

- Process automation
- Resource allocation
- Asset management
- Scheduling
- Route planning
- Document analysis

- Natural language processing
- Chatbots
- Voice assistants
- Speech recognition / synthesis
- Sentiment analysis
- Intent recognition

- Information retrieval
- Knowledge discovery / extraction
- Summarization
- Risk assessment
- Classification / trend analysis
- Strategic planning

- Automated writing
- Personalized content
- Personalized marketing / learning
- Image, audio, video, and graphic creation
- Synthetic data generation

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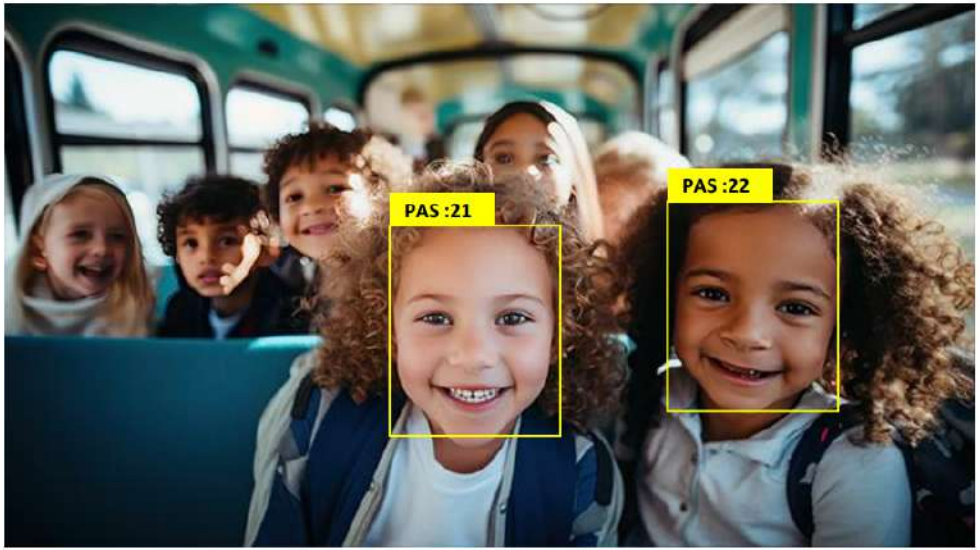
Passenger handling and safety using Computer Vision



Challenge:

A large transportation company is facing challenges related to passenger safety and manual passenger counting or incident monitoring methods are prone to errors and inefficiencies, leading to potential safety hazards and regulatory non-compliance.

Solution:

Audax Labs proposes the following solution to address the passenger handling and safety challenges by:

- Implementing a passenger tracking system leveraging computer vision. The solution will automatically detect and track passengers boarding and disembarking.
- Processing the real-time camera feed on the edge and provide accurate information on passenger counts throughout the journey.
- The solution uses edge cameras that safeguard against privacy concerns as it captures and processes the data locally on the edge devices.

Outcome (ROI):

- Accurate Passenger Counting
- Enhanced Passenger Safety
- Streamlined Operations
- Improved Regulatory Compliance

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Early Case Assessment for a large Swiss bank

Challenge:

The bank consolidated their legacy archives resulting in multi PBs of data being ingested into their archives. The new system would also ingest around 30 Mil net new objects everyday.

The bank needed to determine the evidence that need to be collected, the custodians who would be interviewed, and identify the trigger event of litigation (if any).

Solution:

Audax Lab's DataBeagle Supervision module would index all the historic and net new objects and would allow compliance team to perform the necessary communication monitoring.

DataBeagle Collection ECA would ingest and index all case related data and allow legal teams to review relevant data for decision making.

Outcome (ROI):

- Reduced Regulatory Risks
- Swift response to search requests from the legal teams for the compliance and forensic reasons
- Improved Data Searches
- Cost Savings

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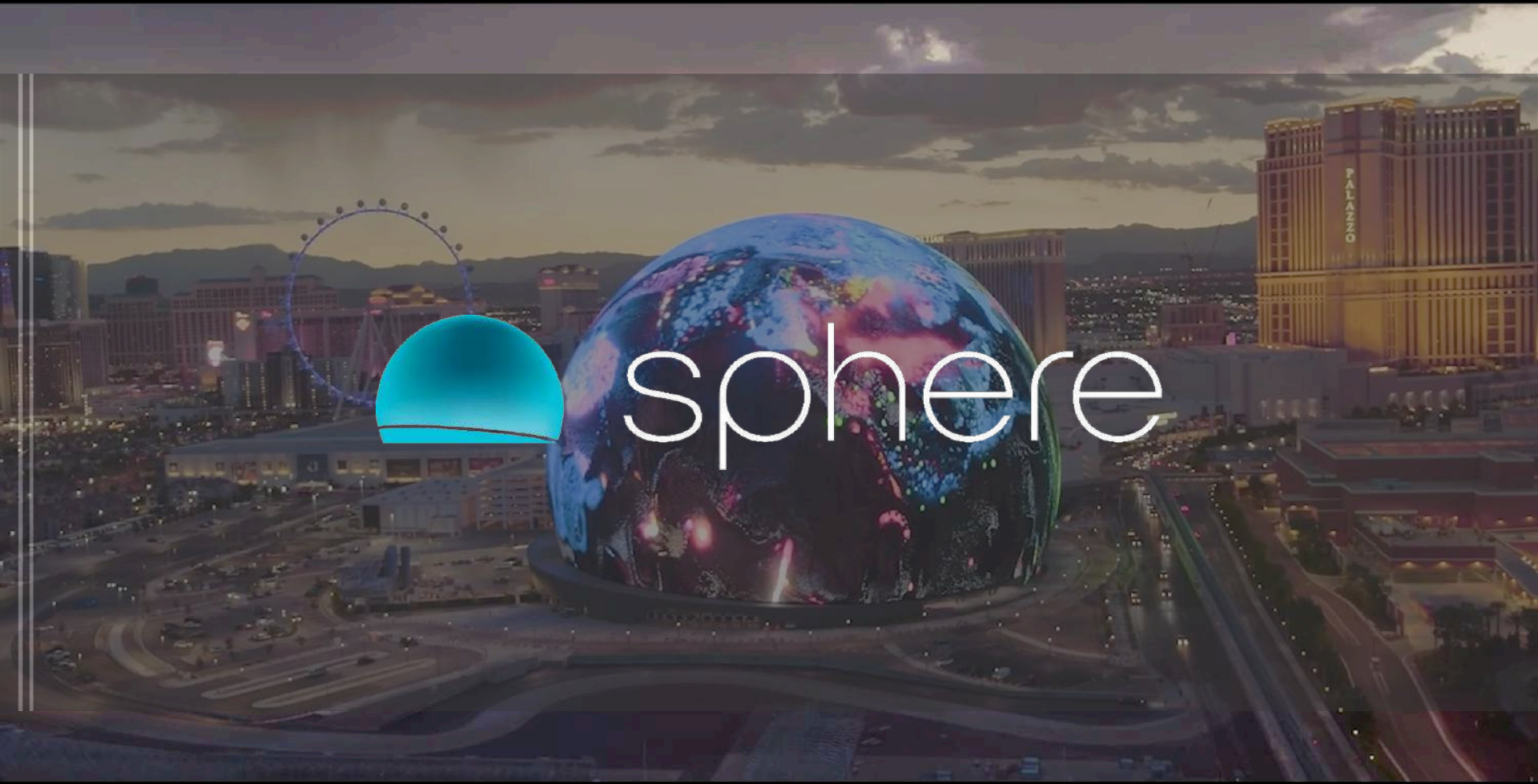
PALAZZO
sphere

How can Hitachi assist

What makes us different!

- AI Discovery Services from Hitachi
  - 3 solution offerings that assist organizations to look at use cases, value, data, road-map all the way through to a POC! 3-to-12-week engagement, this can be white labelled
- Access to over 50,000 developers world-wide with vertical knowledge
  - GlobalLogic and Method are the world leaders for AI and compliment one and other
- Sustainable approach, from liquid cooling deployments to energy efficient storage
  - Liquid cooled HGXs can reduce TCO by 40% and smaller footprint 5U vs 8U!
- EverFlex Options to provide commercial options
  - Cloud like feel!! Monthly billing!
- A **Partner** first approach enabling Hitachi to leverage regional expertise and white label AI services

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Thank You

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