Own your AI. Own your future.

Cihangir Kocak
Business Strategist & AI Advisor, HP

Why you need to act now!

AI is a transformative force at play

Countless opportunities

Artificial Intelligence

Is causing a wave of disruption that is changing the way we work, think, learn, and live significantly.

Idea generation
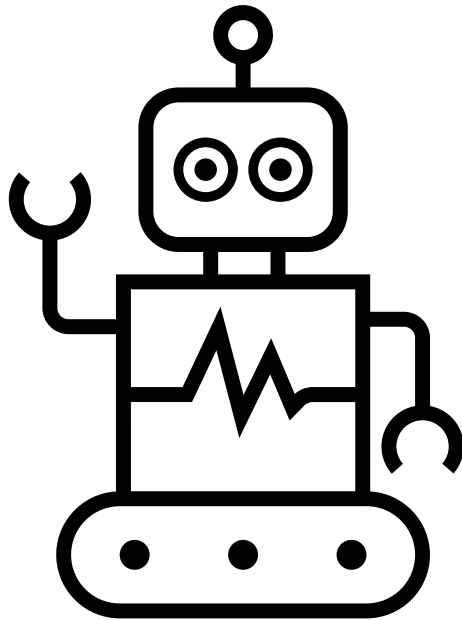
Prompting new campaign ideas

Design

Creating innovative designs

AI is advancing at an accelerating rate

AI Agents

Claude AI by AI start-up Anthropic

Artificial intelligence (AI)

Claude AI tool can now carry out jobs such as filling forms and booking trips, says creator

Anthropic says model is able to carry out computer tasks - as fears mount such technology will replace workers

Dan Milmo *Global technology editor*

Wed 23 Oct 2024 13.32 CEST

Share

Anthropic, a competitor to ChatGPT owner OpenAI, is making the Claude 3.5 Sonnet model available to developers but admits it can be prone to errors. Photograph: Canadian Press/Rex/Shutterstock

Implications for the Economy & Workforce

85 million

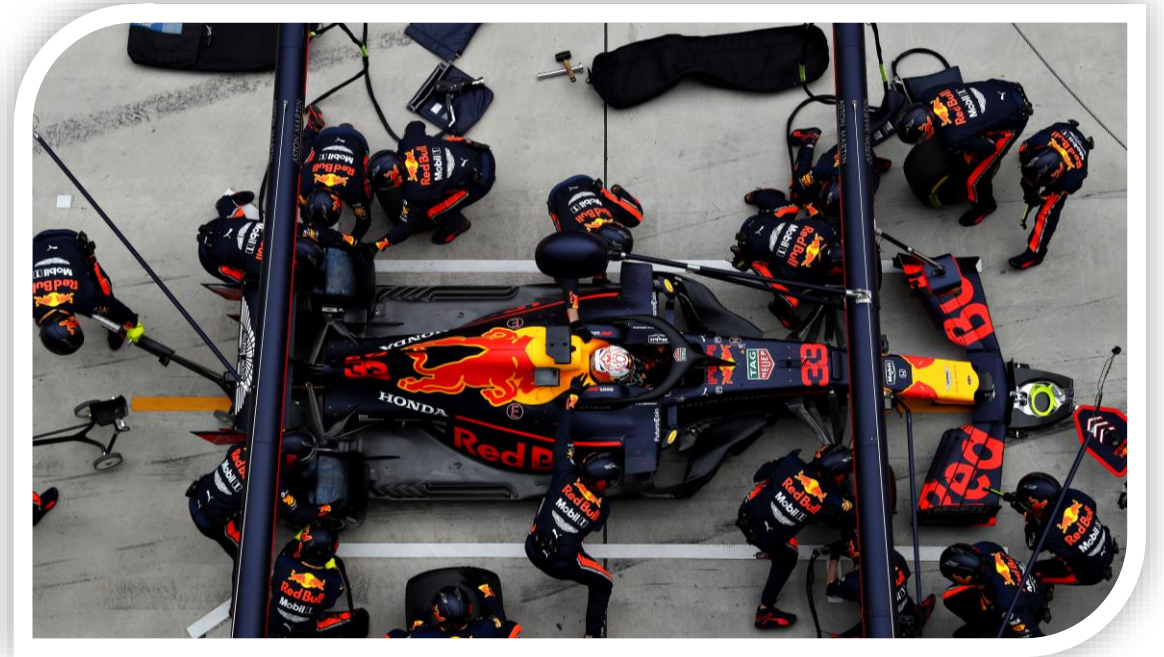jobs replaced by AI in the next 5 years

97 million

new roles created by AI at the end of the decade

$15.7 trillion

Expected impact of AI on the global economy

Source: WEF & PwC

Do you have time to wait?

- How fast does AI move in your industry

- Is there an urge in your industry

- Can you follow fast

Lemonade Insurance
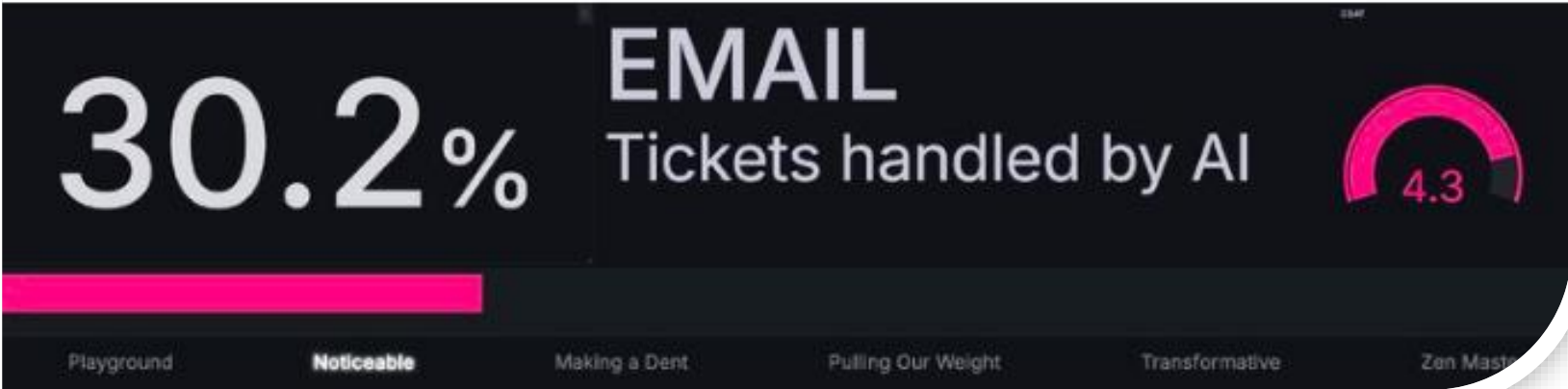
Where do you start?

Building AI capabilities?

- Clear business goals

- Map out business cases for AI

- Secure buy-in

- Current situation -> Aspired situation
  - Business model
  - Data
  - IT Infrastructure

- AI is a tool, not the goal

- AI is a business project

Company culture, AI and the pitfalls

AI is not just a business or engineering challenge, it is also a human challenge

- Focusing on Technology

- Humbleness & concerns

- What you can do as a leader

  - Offer training and upskilling opportunities

  - Redefine roles

- Deskilling

- Creativity vs Gen-AI

- Critical thinking
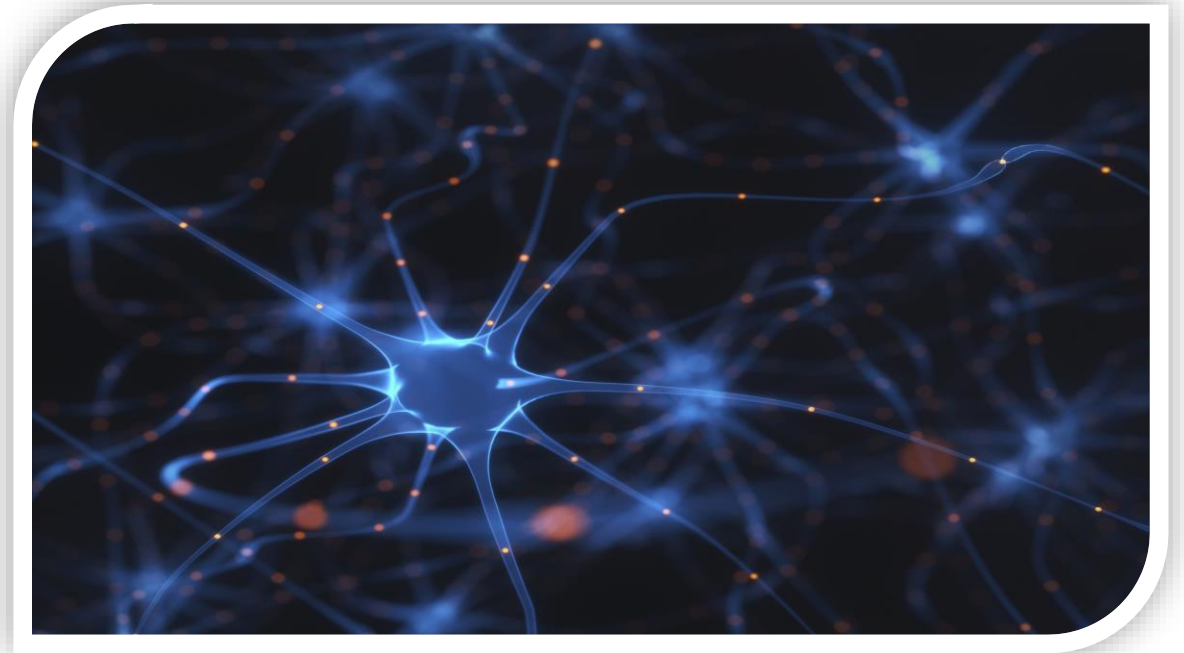
Owning vs outsourcing your AI
Asking the critical questions.

Advantages of Cloud-based AI

The allure of AI development in the cloud and cloud-based AI services are clear.

- Accessibility

- Scalability

- Flexibility

- One stop shop: Access to advanced AI technologies, tooling, storage systems, training, specialized utilities such as bias checking and testing environments (from cloud provider or third-party service)

- Requires no upfront infrastructure costs

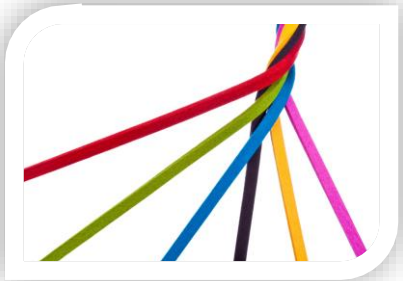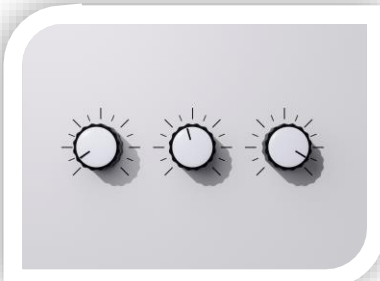# The trade-offs of Cloud based AI

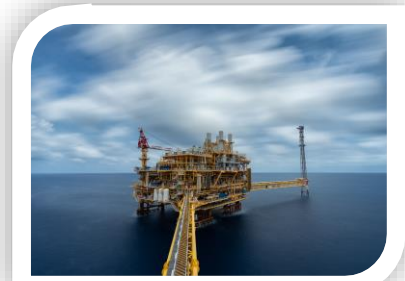**High ongoing cost**

**Data transfer &
bandwidth cost**

**Changing terms
and costs**

**Vendor lock-in and
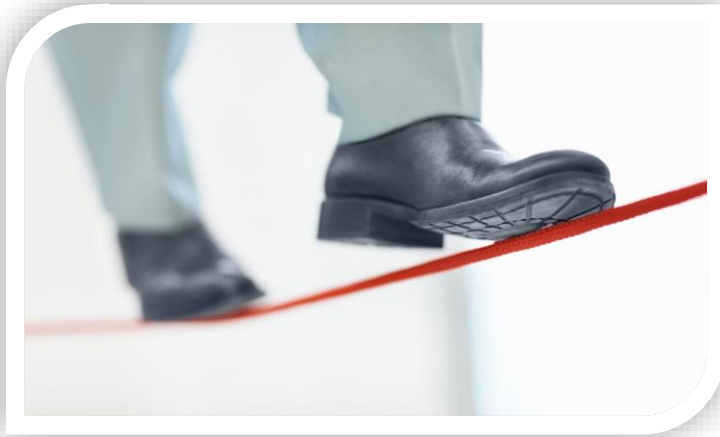third-party dependency**

**Limited customization
& control**

**Latency & Lack of
off-line access**

Don't take security for granted?

The cloud is someone else's computer

- Cloud servers are a prime target for cyberattacks

- Be aware that anything you put online can become public.

- 82% of breaches involved cloud stored data

Competitive advantage?

- Who really owns and controls this AI and whose interest does it serve?
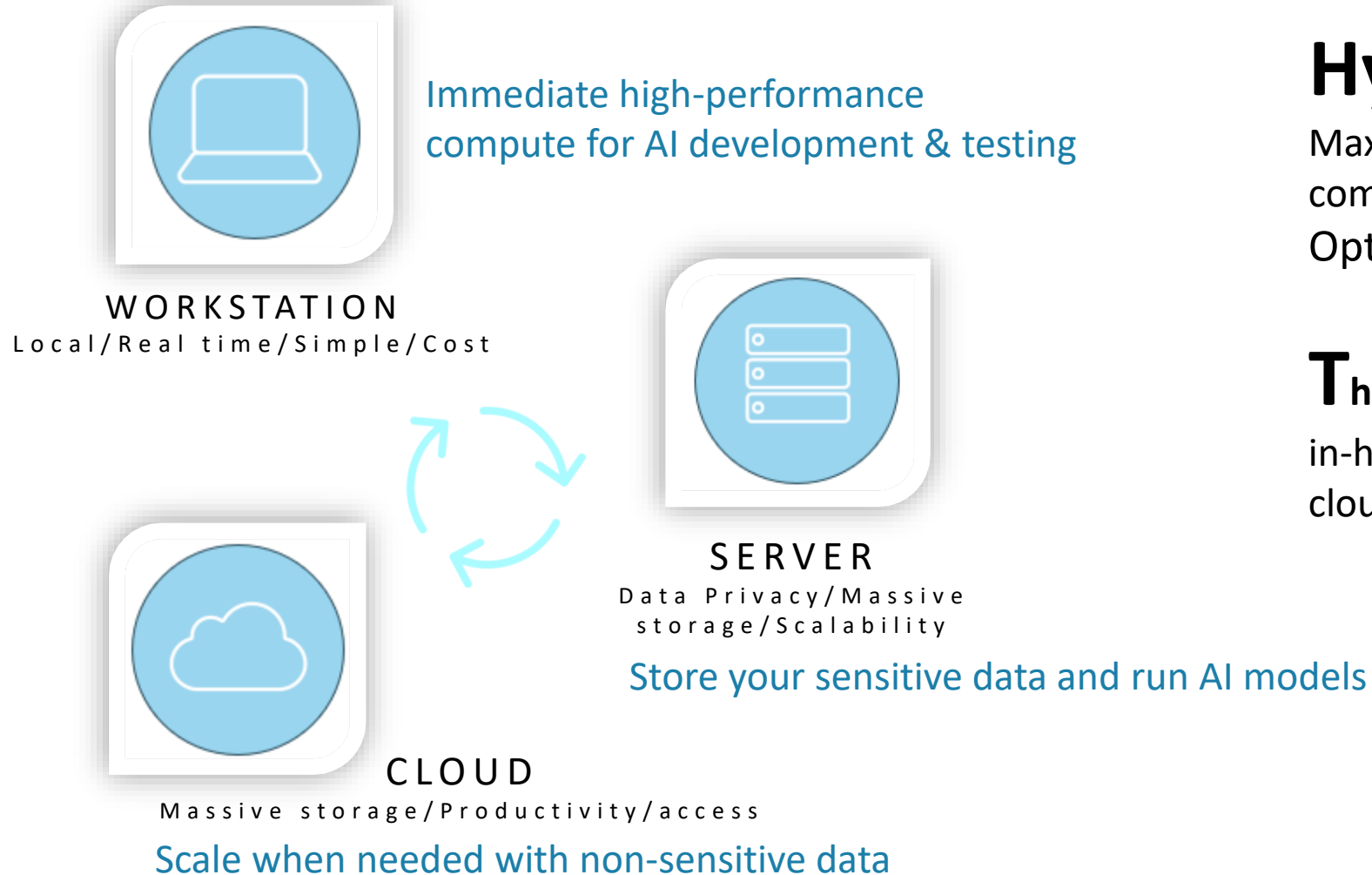
- How is your data saved / used?

- Are you not aiding your competition?

- How are you getting a competitive advantage with a tool that everyone can use?

Increase in cloud repatriation

- 83% of CIOs in 2024 plan to move their data and workloads from public cloud to on-premise to lower risks and meet privacy laws.

- LLM's– Open Source vs Closed Source

The solution is hybrid computing

Immediate high-performance compute for AI development & testing

WORKSTATION
Local/Real time/Simple/Cost

SERVER
Data Privacy/Massive storage/Scalability

Store your sensitive data and run AI models

CLOUD
Massive storage/Productivity/access

Scale when needed with non-sensitive data

Hybrid Computing
Maximize the efficiencies of each type of computing resource
Optimize Cost, Time and Security

The key is keeping what's critical in-house while leveraging the cloud for its strengths.

Owning your AI isn't just a technical decision, it's a strategic one!
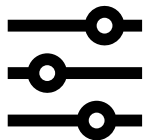
Your AI serves your interests exclusively

Critical data and insights stay in-house

Tailor the AI to your specific need without compromise

Long-term Cost control: avoid future price hikes

Prevent aiding the competition and gain a real competitive advantage

Full control over the security of your sensitive data

Minimize risk

With a hybrid infrastructure you do not need to choose between security and scalability

hp

Real world business cases

Deliflor – Research & Development
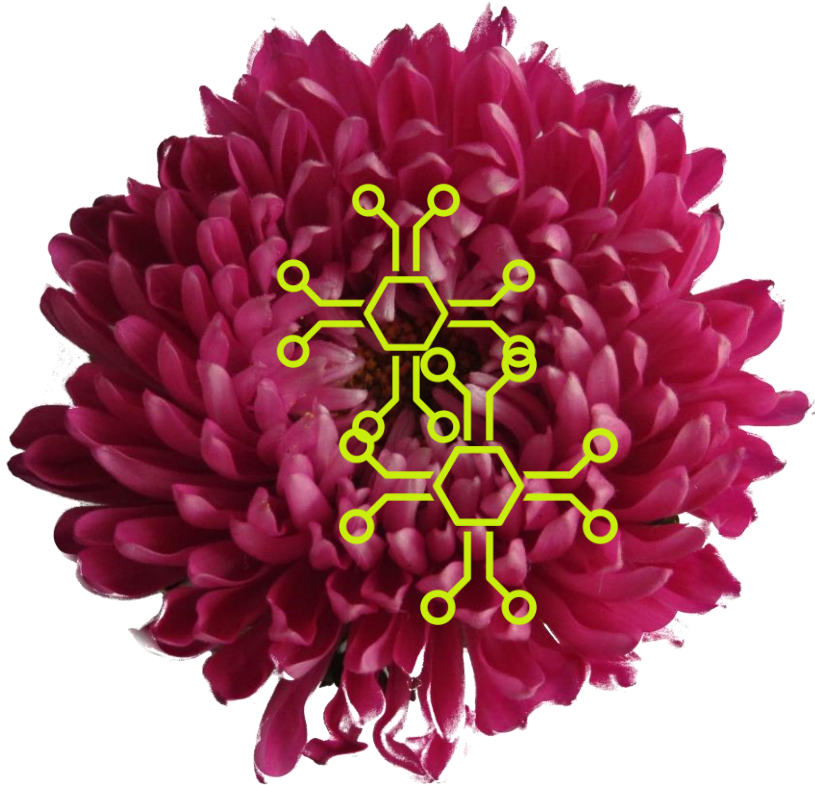
Advance sustainable cultivation initiatives for breeding

Deliflor – Optimizing cross-breeding

Easily 6x faster analytics

From 45 minutes to a couple of minutes.

No more outsourcing of workloads

Quicker project fulfillment

More time for innovation and an increase in time-to-market

IP Safeguarded with in-house compute

Improvement in employee happiness

MedicalVR – Innovative healthcare start-up

Patient 3D Visualizations to advance complex surgical outcomes

- Digital twin of the patient

- Dynamic visualization of the airways, arteries, veins and segments of the longs.

- Currently in use at 9 hospitals

- Optimize surgical plan

- Minimizing unexpected risks and complications

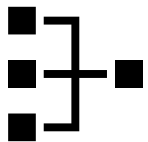- Spare lung tissue and speed up surgery time

MedicalVR – Aiding surgeons

Model training from several days to 4-8 hours. Resulting in shorter development times and freeing up resources to explore new ideas.
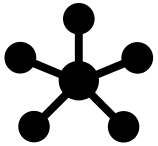
Several models can run in parallel, faster iteration and speeding up validation process for medical device certification.

Easy to deploy edge device and seamless integration in existing it infrastructures. HP Z2 Mini for local inferencing and visualizing the patient's digital twin

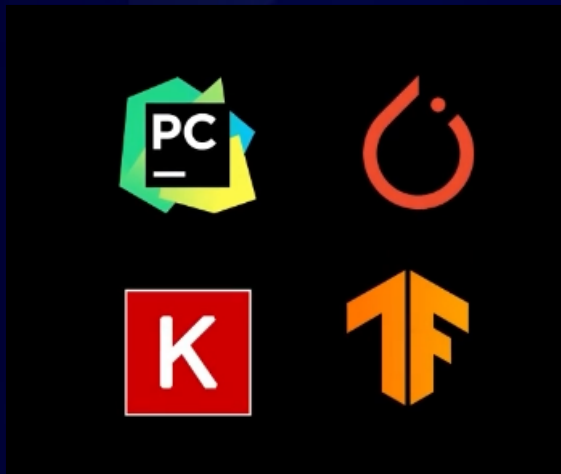Real-time insights while maintaining patient privacy

We build workstations, software & tooling

for complex AI workloads on the Edge
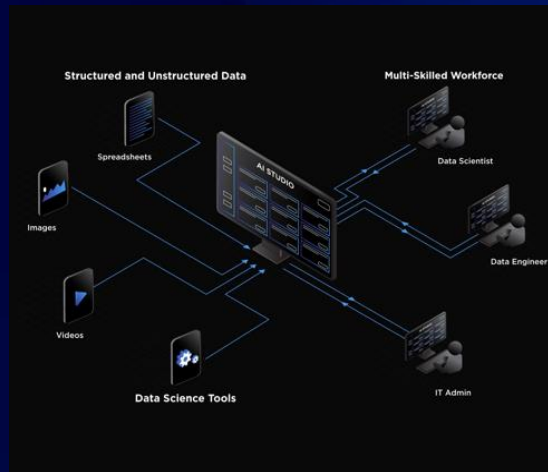
The Z by HP AI Solutions in development.....

AI Creation Center: the world's most comprehensive workstation solution for AI development.[1]
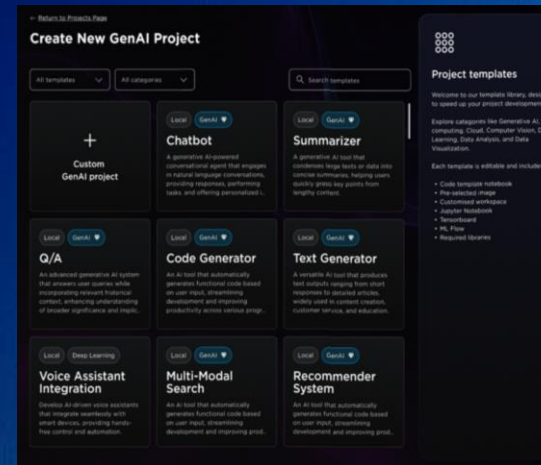
Z by HP Data Science Stack Manager[2]

Preloaded software stack

Z by HP AI Studio[3,4]

Centralizes model development and collaboration

Z by HP Gen AI Lab[4]

Customizable generative AI blueprints and Galileo integration

Z by HP Boost[4,5]

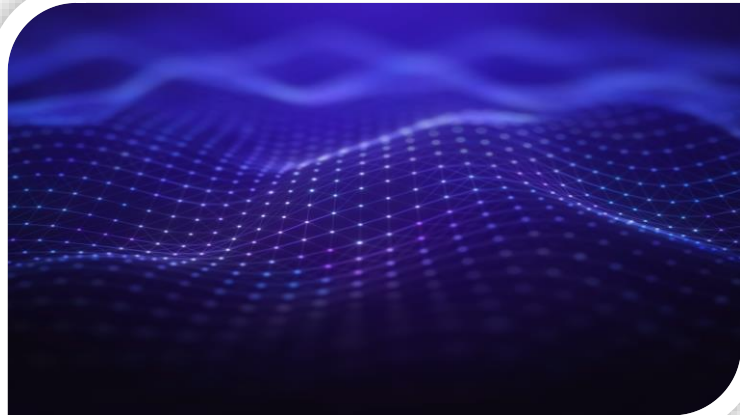On-demand and shared GPU compute

Z by HP AI Workstations

Start small, start now & own your AI
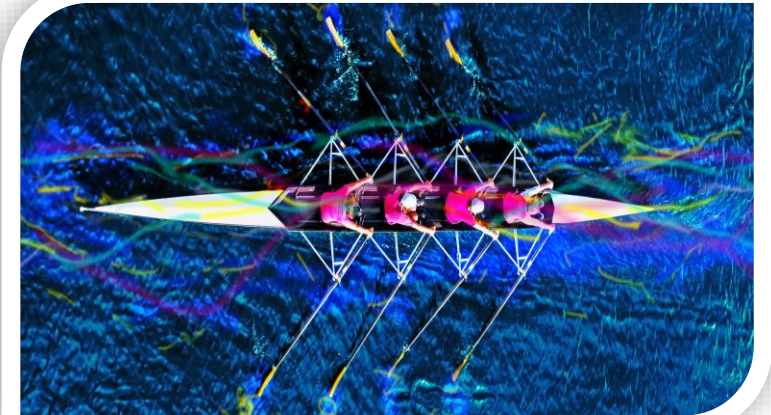## Transform, innovate, lead

Embed AI across operations

Start by identifying areas where AI can automate repetitive tasks, enhance decision-making, and provide actionable insights.

Focus on innovation

Map out the customer value chain. Develop new AI-based products and services that meet evolving customer needs and open new revenue streams.

Lead with a strategic AI vision

Invest in AI technologies, train your teams to collaborate with AI, ensure they see it as an augmentation of their expertise

Let's create a future together, where AI is a force for good, transforming industries and improving lives

THANK YOU

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