FROM DATA ANARCHY

Data in silos

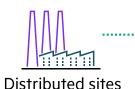
No alternatives to public cloud

Stuck in proof-of-concepts

No scalable architecture









Machine Connectivity



Data Fabric to unify data silos



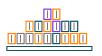
Streaming + static data



Collaboration + secure sharing



Modular + flexible architecture





Self service data access



Visualize Insights

AI-DRIVEN DATA CENTRIC ARCHITECTURE







Data Governance





Data Catalogue+ Glossary



Data transformation + normalization



Artificial Intelligence + MLOps



Access- and management APIs

HPE GreenLake Cloud Services

Improve OEE
Increase productivity
Accelerate innovation
Reduce waste

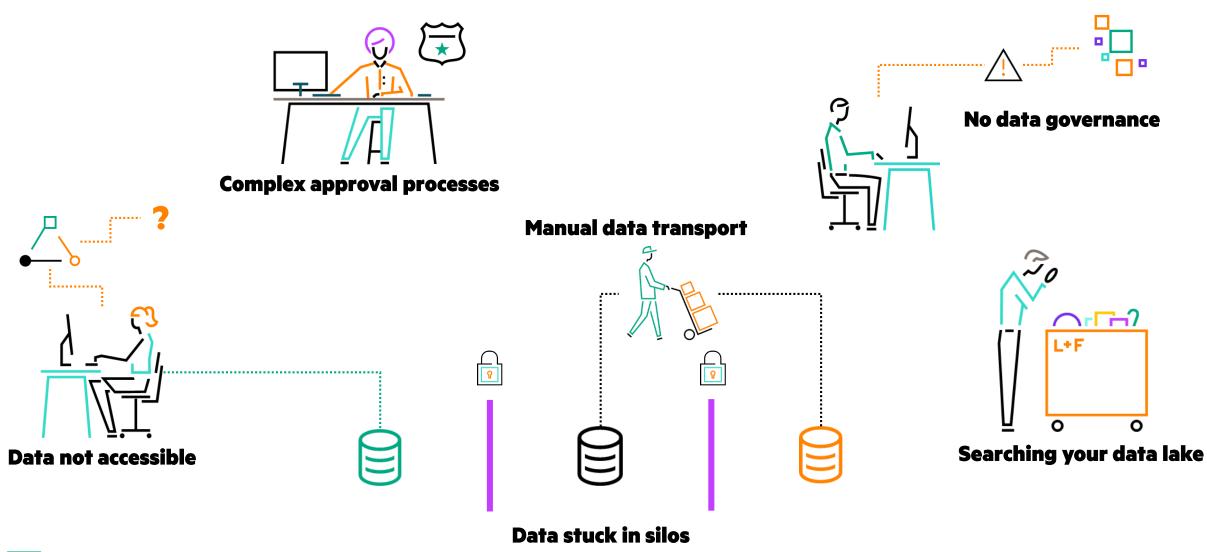


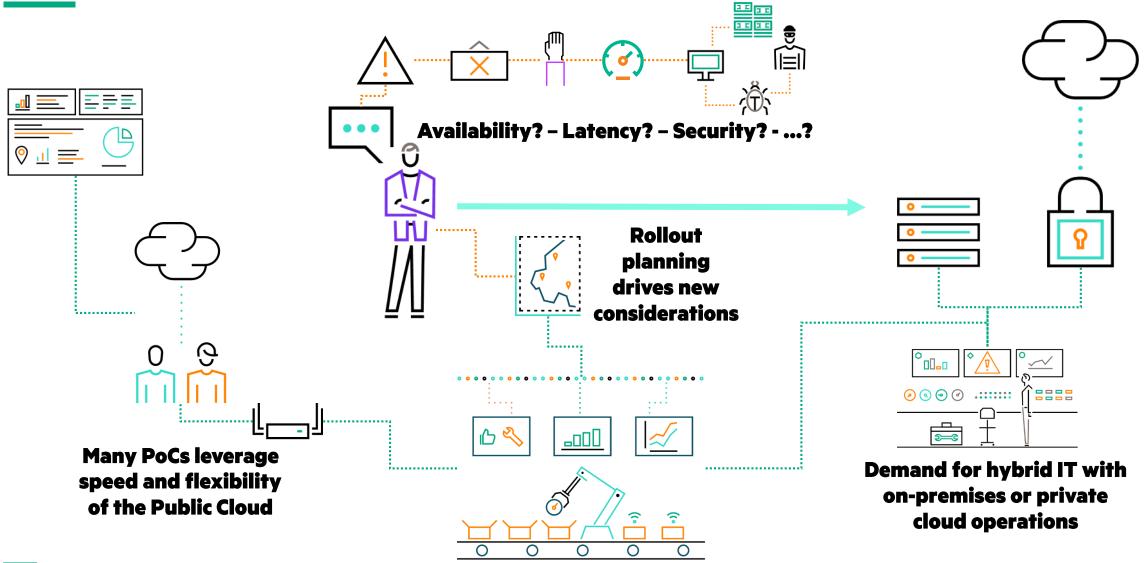


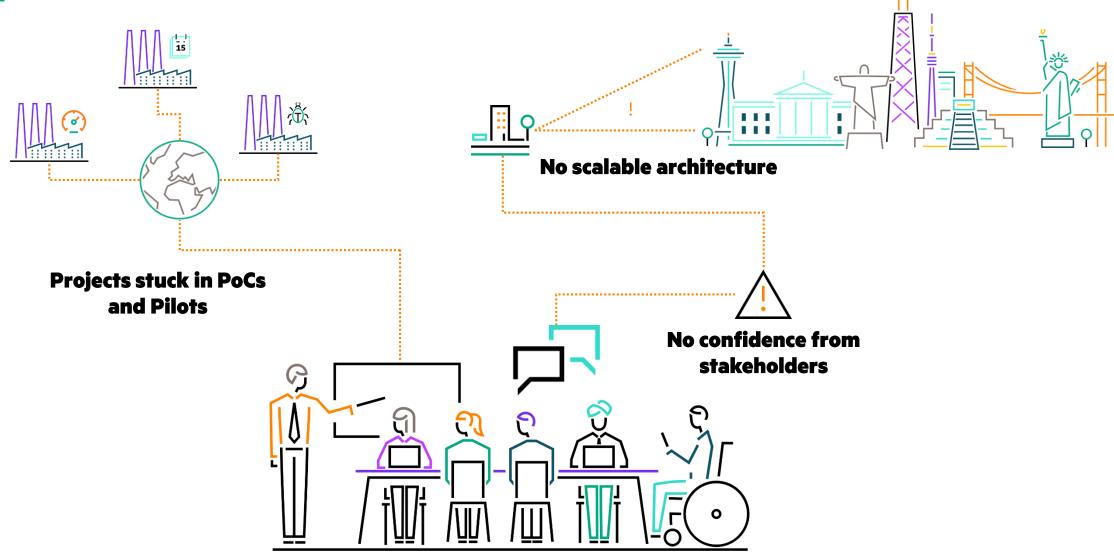


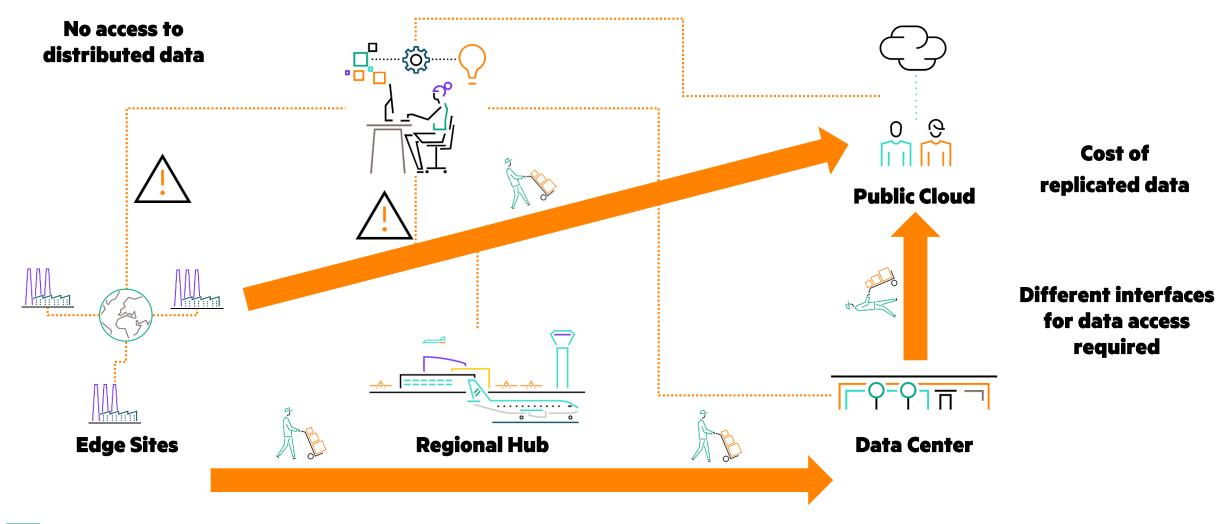
Unlock the Value of AI with a Data-Centric Architecture

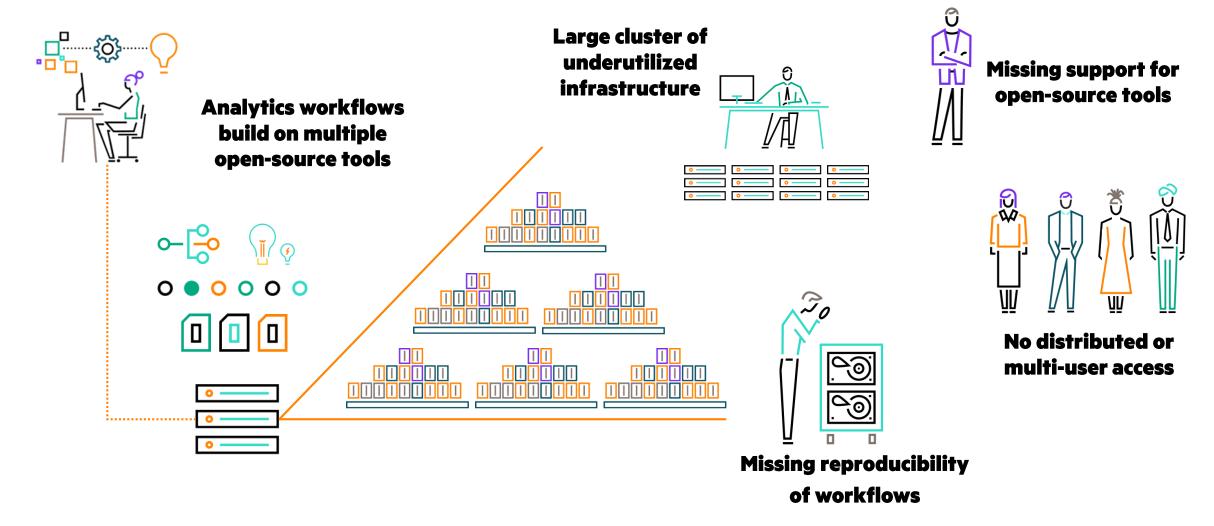
Iveta Lohovska
Principal Data Scientist / Lead Al Architect
April 2023













FROM DATA ANARCHY

Data in silos

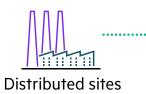
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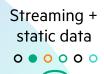


Machine Connectivity



Data Fabric to unify data silos

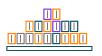




Collaboration + secure sharing



Modular + flexible architecture





Self service data access



Visualize Insights

AI-DRIVEN DATA-CENTRIC ARCHITECTURE



Industrial Service Bus



Data Governance

+ Access Control



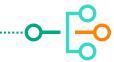
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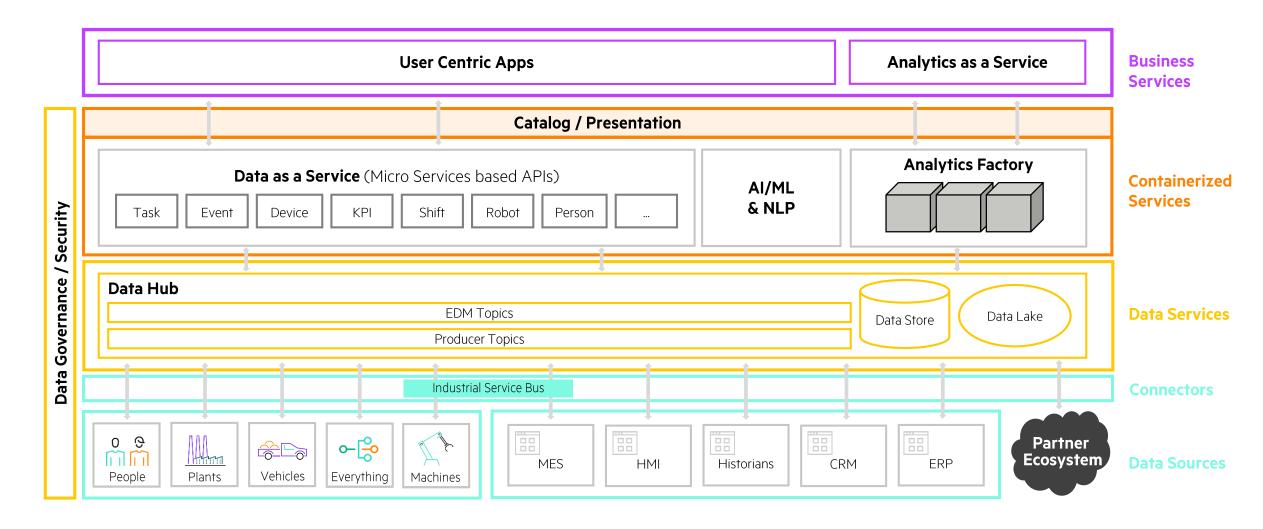
Improve OEE
Increase productivity
Accelerate innovation
Reduce waste

TO FULL DATA CENTRICITY

CONFIDENTIAL | AUTHORIZED



Data Centric Architecture for AI Use Cases







Advance Wave Energy

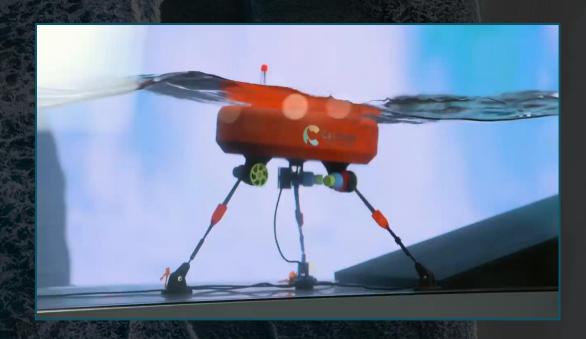
- Petascale cluster to study the rhythms of nature
- Create submerged structures to harness wave energy
- Test the buoy structures
 virtually and deploy in the ocean





Advance Wave Energy

- Petascale cluster to study the rhythms of nature
- Create submerged structures to harness wave energy
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 virtually and deploy in the ocean





Selected for EuropeWave Phase 2 winning PCP Contract



Reinforcement Learning optimizing the position and rigidity

Real-time inference with RL models integrated at the edge buoy systems

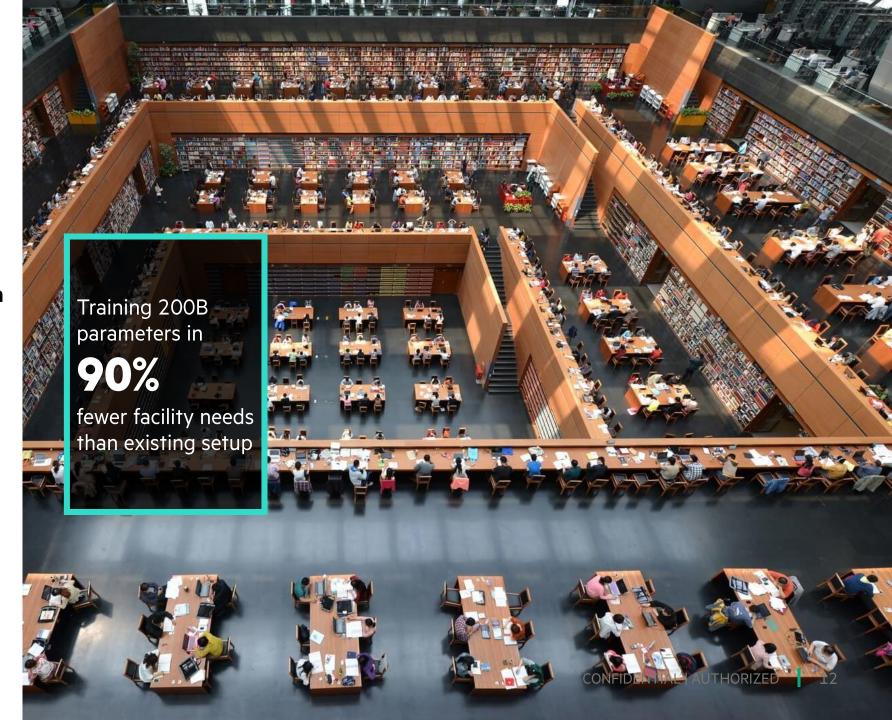


Moving R&D efforts from Hewlett Packard Labs to real world with HPE AI COE



Multimodal Al

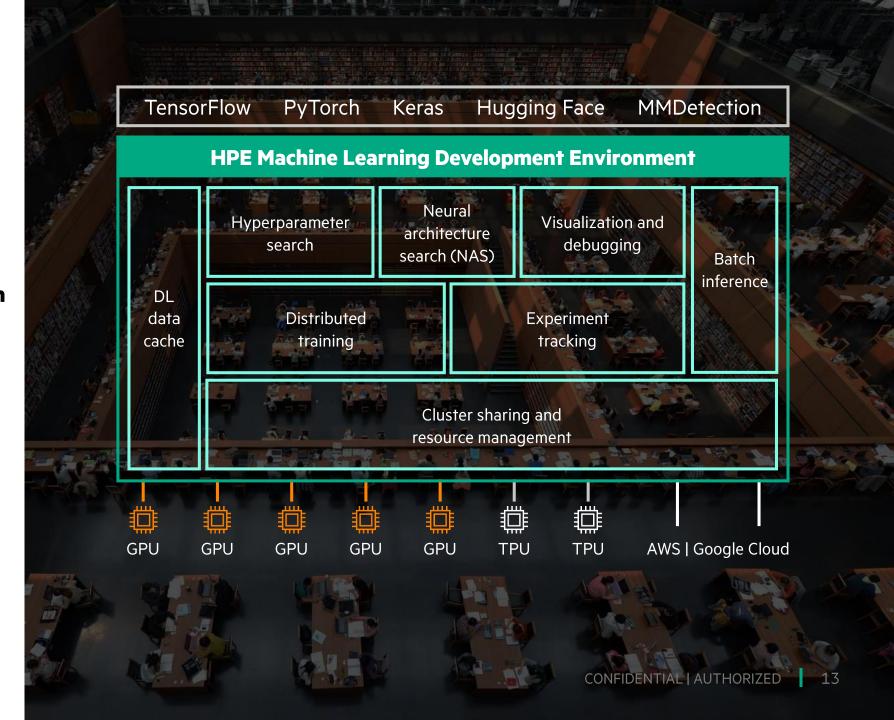
- Process, analysis, and production of accurate language models
- Establishing global context and cross-media reasoning
- Natively support the top five European Union languages





Multimodal Al

- Process, analysis, and production of accurate language models
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HPE AI services models

Tailored experience to overcome AI barriers

WE **OPTIMIZE** WE **INTEGRATE** WE **BUILD HPE develops and deploys Solution built** Bring your own the AI solution end-to-end Al model with our Partners Advise & Align **Assess & Analyze** Plan & Design **Build & Implement Enhance & Optimize Operate & Manage**

Thank you

iveta.lohovska@hpe.com

