Storage Strategy and Strategic Initiatives in 2025

IBM Storage Scale Days 2025 DE

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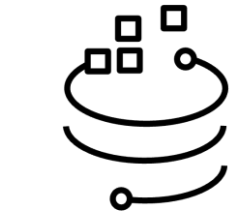
Disclaimer



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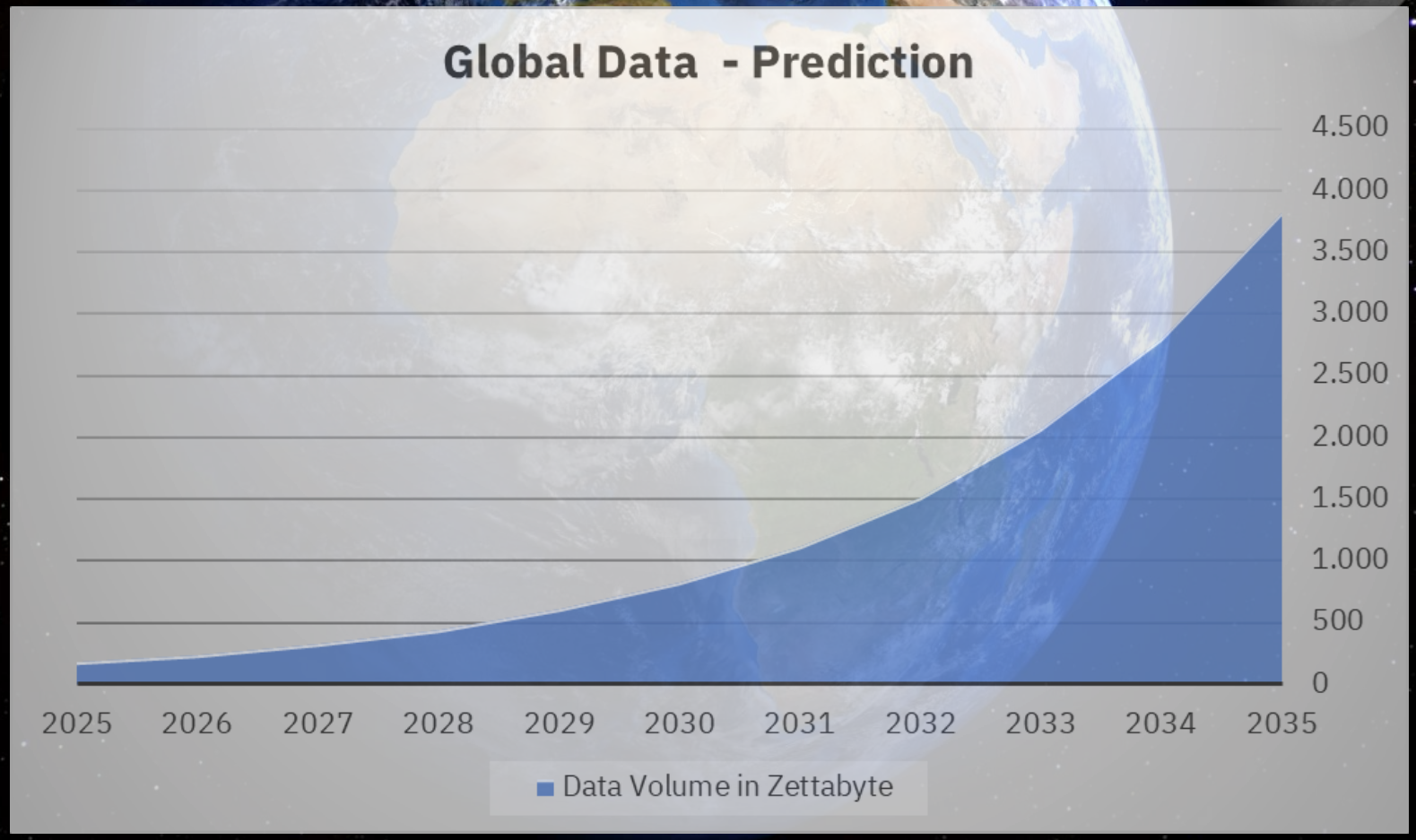

Global Data - Prediction
4.500
4.000
3.500
3.000
2.500
2.000
1.500
1.000
500
0
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Data Volume in Zettabyte

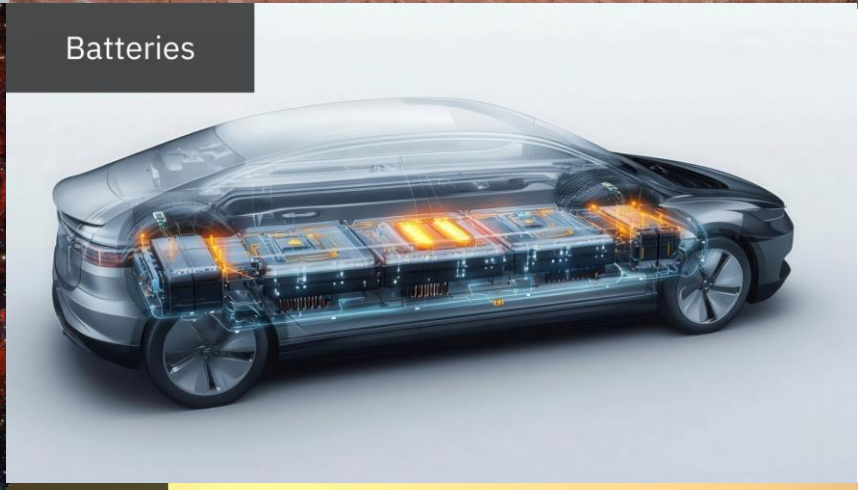
Bio Tech

Research

Sustainable Energy

Health and Medicine

Astrophysics


Batteries

Autonomous Mobility

Manufacturing

Food

> xxxx

> XXXX

Storage Scale

watsonx platform

watsonx.data

AI / ML

Analytics

GPU/HPC

High Performance Collaboration

Data Access Services

Data Caching & Core Services

Data Management Services

Data Resiliency Services

NVIDIA CERTIFIED

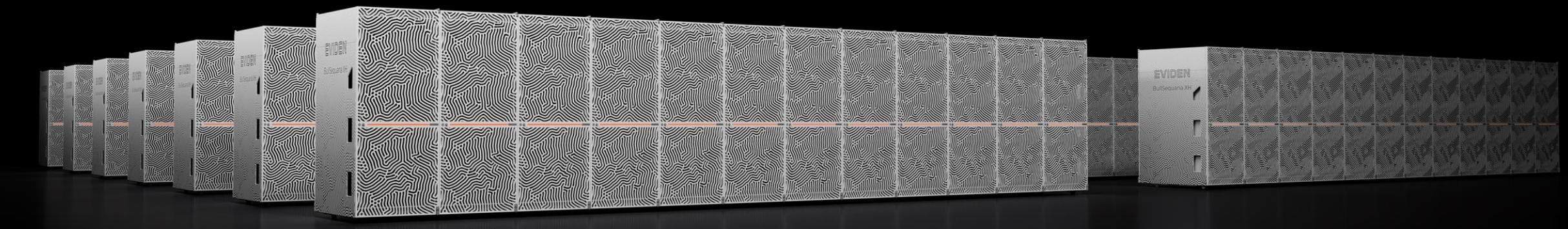
Ultimate Performance

310+ GB/s read

155+ GB/s write

Jupiter high level architecture

93 ExaFLOPS of AI | 1.0 EF Delivered HPC | 24,000 GH200
Quantum-2 InfiniBand | 1.2PB/s Aggregate Bandwidth | 18.2 MW



Storage Scale

EuroHPC Joint Undertaking

EVIDEN an atos business

JÜLICH Forschungszentrum

NVIDIA

ParTec MODULAR SUPERCOMPUTING

IBM Blue Vela

watsonx platform | watsonx.data | AI / ML | Analytics | GPU/HPC | High Performance Collaboration

Data Access Services

Data Caching & Core Services

Data Management Services

Data Resiliency Services

NVIDIA CERTIFIED

Ultimate Performance

310+ GB/s read

155+ GB/s write

XXXX	XXXX	XXXX	XXXX
XXXX	XXXX	XXXX	XXXX
XXXX	XXXX	XXXX	XXXX
XXXX	XXXX	XXXX	XXXX

PAST

FUTURE

Content Aware Storage (CAS)

Ad Hoc Queries in natural language

Transactional DB

AI data process SW

Optimized AI storage

AI HW: CPU, GPU, AIU,...

Thank you for using

Storage Scale

Storage Scale System

Thank you

Thomas Harrer
Ulf Troppens