



The Missing Tier

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New challenges

Amount of data stored grows faster than budgets

-> Total installed base amplified by increasing cost/TB

Major supply shortages causing rising media prices

-> Flattening technology S-curves, diminishing gains

Long-term storage of societal and scientific data

-> How to predict cost for decades to centuries?

Hamster wheel data migration of rising amounts of data

-> Growing amount of data, migration not just copy/paste

Problem



Need a new, additional tier



Data access within seconds @ 10x lower cost than HDD

Highly scaleable technology with multi-decadal roadmap

Zero-Energy retention, no data maintenance or migration

Problem



Need a new, additional tier AND a new business model



Virtually no costs to retain data

Economically & Ecologically Sustainable

Predictable cost for long-term data storage

Solution



Cerabyte – a new paradigm how to store data

Low CapEx

Leverage display glass industry

Low OpEx

Zero-energy data retention

Low R&D

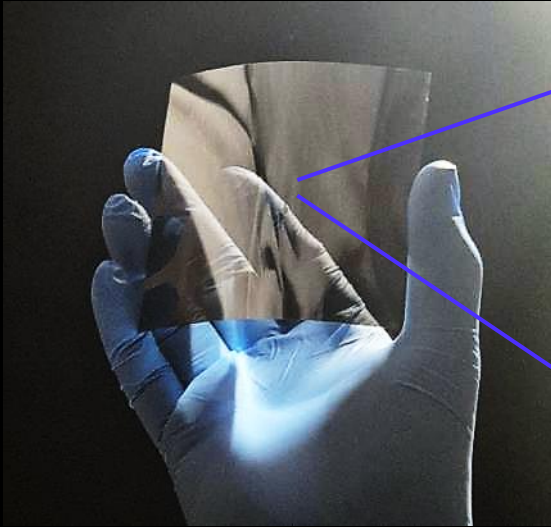
Leverage semi tool roadmap

Low CO₂e

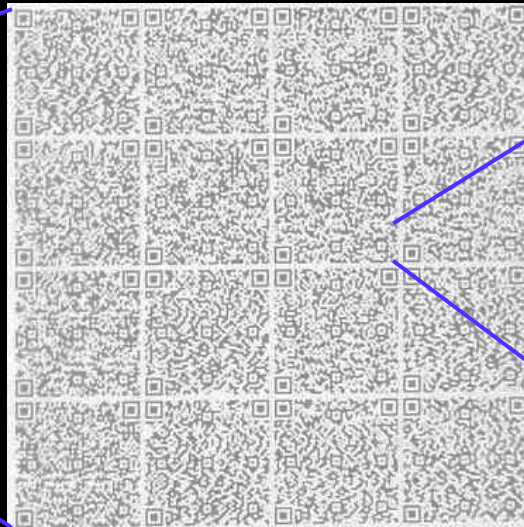
Recycable & Sustainable

Lower TCO – no media replacement, no data migration & maintenance, no energy consumption

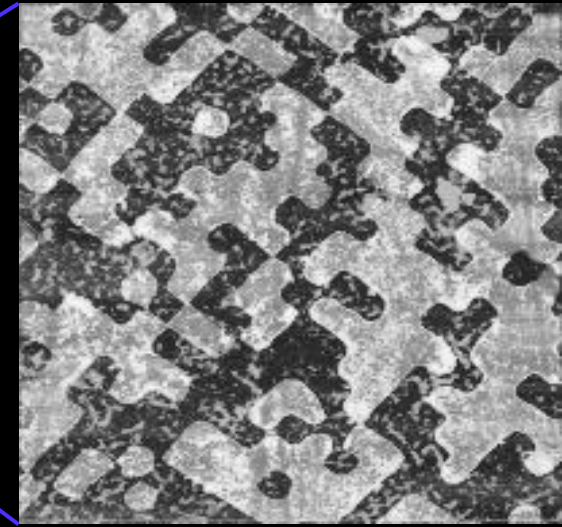
Cerabyte media – inorganic bits – virtually unlimited life



Ceramic nano-layer on ultra thin flexible glass sheets



Data matrices are punched into the ceramic layer



nm-scale physical bits, holes & no-holes are zeros and ones

Massive write/read parallelization & fast random access

Write

Millions of bits



Store

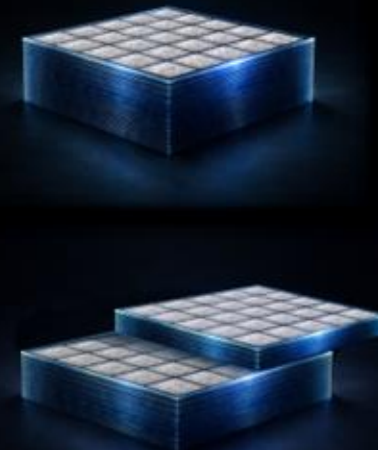
Hundreds of sheets in
thousands of cartridges



Access

Fast and random

seconds



Read

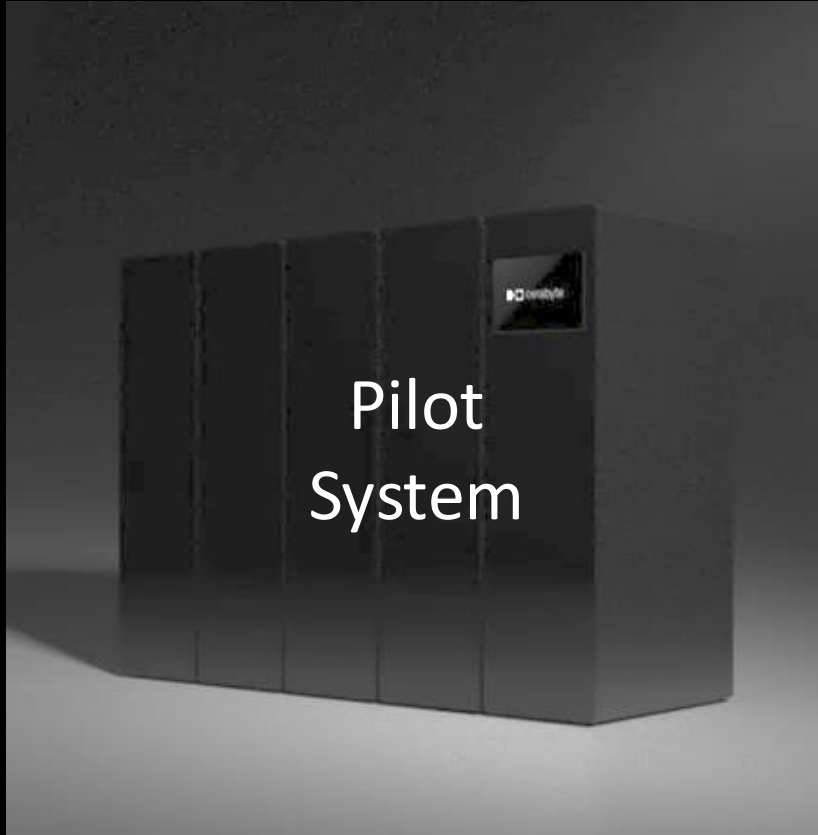
Millions of bits







Explore Cerabyte pilot collaborations scaled to your funding



Shaping how data is stored in the future

- Early access
- Remote Access
- On-prem testing



A new standard for long-term data storage

Fast write/read & Accessible

Future-proof, Sustainable

Permanent, Low Cost



Global Market

Disruptive Technology

Focused Team

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