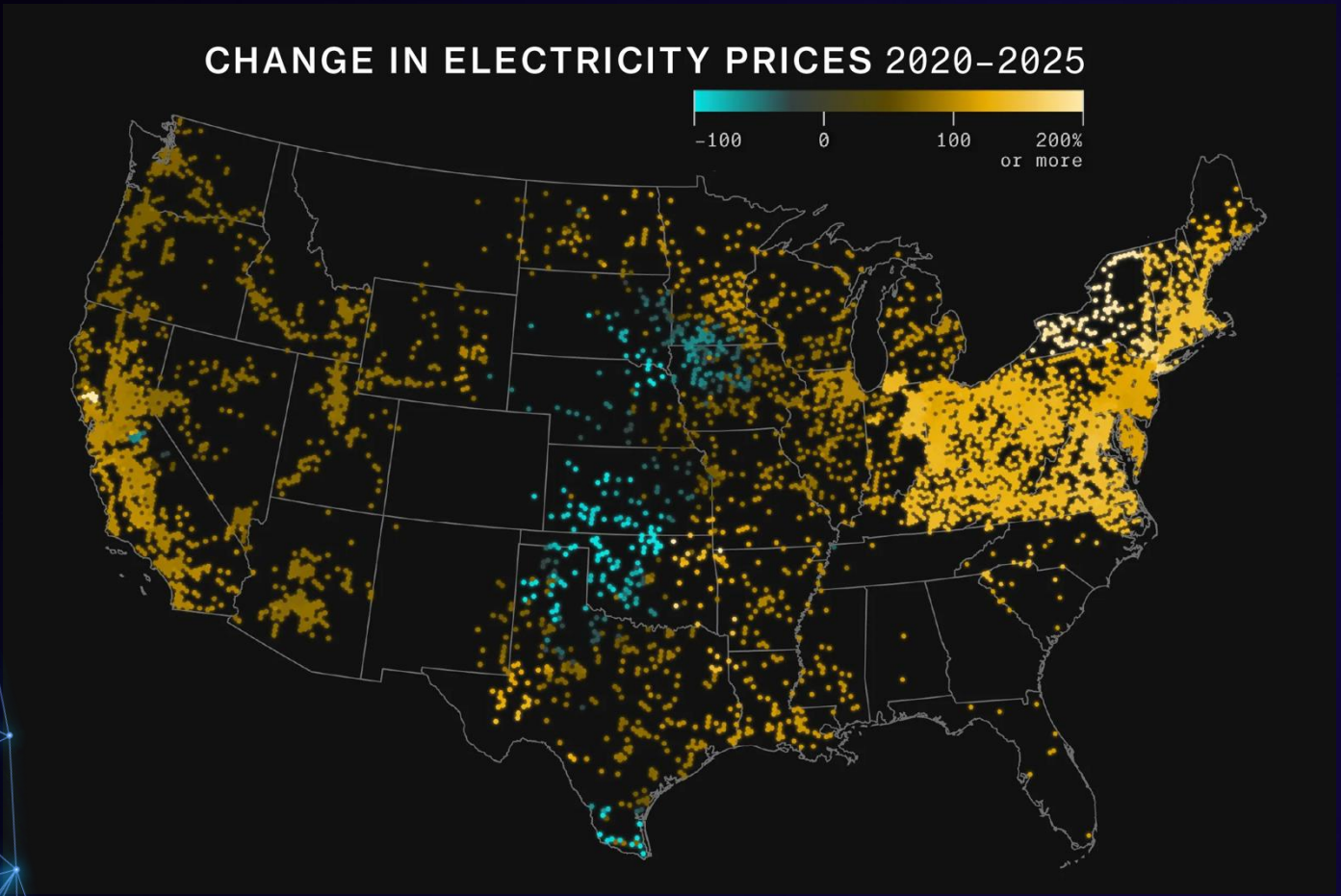
Finchetto

FINCHETTO

SOLVING POWER AND PERFORMANCE IN AI – THE FORCE MULTIPLIER



PROBLEM – POWER



Electricity up to 267% more expensive than 2020 near data centers

$$\text{Position} \equiv \frac{\text{Compute}}{\text{Power}}$$

Finchetto

90% power saving

$250m OPEX saved p.a.

350k incremental GPUs

Single hyperscaler projections

https://www.bloomberg.com/graphics/2025-ai-data-centers-electricity-prices/

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PROBLEM – EFFICIENCY

Meta





OCP REGIONAL SUMMIT | 24-25 APRIL 2024 | LISBON, PORTUGAL

Transceiver/ GPU failure reduces cluster efficiency by 40%

Failures occur every 30-45 minutes & will get worsen with GPU & transceiver complexity

Finchetto

82% SFPs eliminated

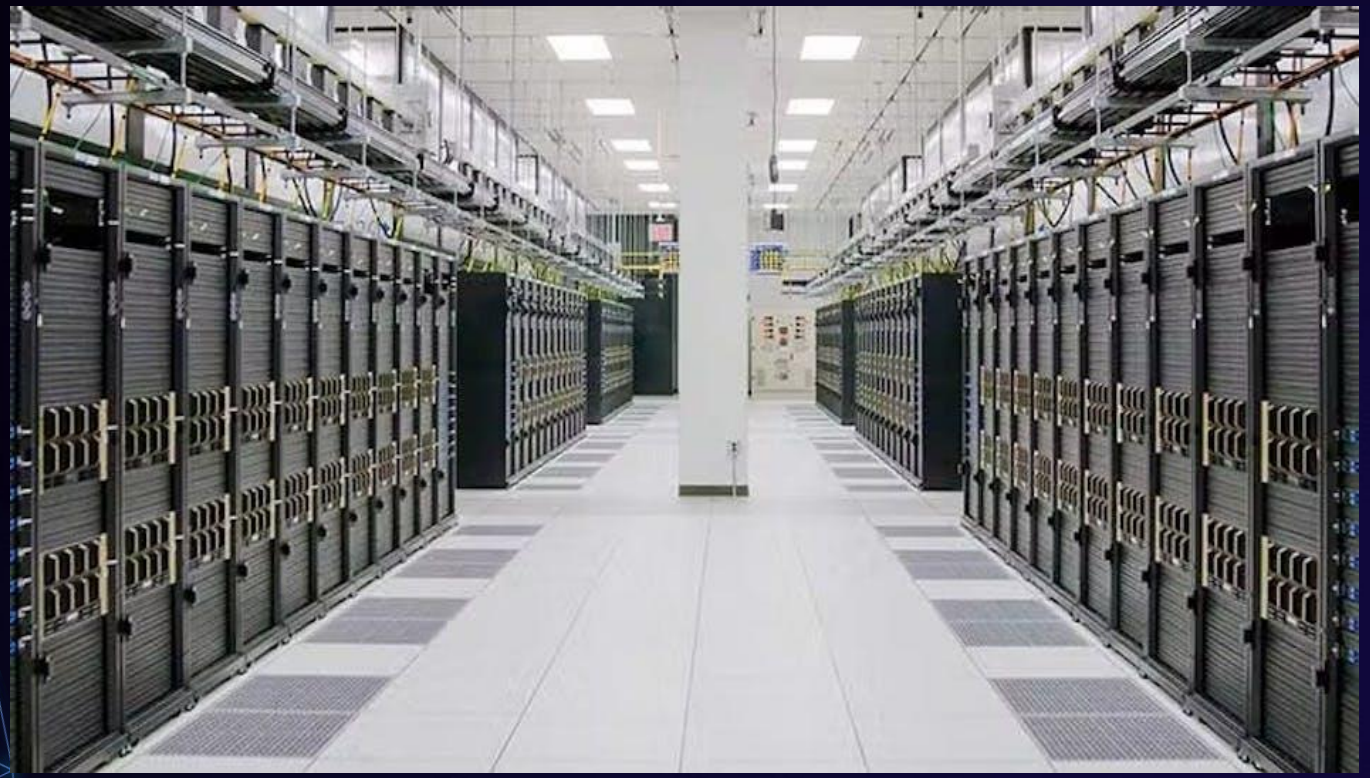
$1bn CAPEX saved

Single hyperscaler projections

https://www.lightcounting.com/resource/53/resourceFile/081324%20Research%20Note%20on%20IPEC%20webinar.pdf

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PROBLEM – SCALABILITY



Rapid progress in DC builds

Interoperability is key

Full rip and replace will halt adoption

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Edge Node for modular integration & interoperability with existing infrastructure

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FINCHETTO'S ALL-OPTICAL SWITCH

THE ENDGAME OF SWITCHING – LIGHT ON LIGHT

- <3ns port-to-port latency – 700x lower latency
- 48-port Ethernet switch – line rate packet-switching
- <50W power – 20x lower power

$1TN cumulative market opportunity 2026-2030



International Patent Filing
WO2024074804A1

Dell'Oro
https://www.prnewswire.com/news-releases/ai-back-end-switch-sales-to-approach-1-trillion-over-the-next-five-years-according-to-delloro-group-302831878.html

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DATACOMS DEMO

4X4 ALL-OPTICAL ETHERNET SWITCH



- 4x4 Ethernet Switch (Any-to-Any)
- Switches at line rate, no buffering – patented light-on-light switching
- 300ns port-to-port latency (7x faster)
- 48W total power consumption (98% lower power than state-of-the-art)

vs. state-of-the-art Cisco Nexus 9232E

UKRI Innovate UK | Contracts for Innovation

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AWARDS







HOTTEST PRE SEED'24 THE EUROPAS 100

TechWorks Gala Dinner and Awards 2024

Technology Breakthrough Award

THE DEEP TECH DEMO DAY

120+ VCs >> 11 Finalists >> 1 Continent

2024 WINNER

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