ENERGY · RECOMMENDATIONS

Grid is the bottleneck: *5 decisions* for energy and industrial operators

Data centre power use rose 17% in 2025. Grid connection queues run 4 to 8 years.

IEA, Energy and AI (Apr 2025); IEA Key Questions on Energy and AI (Apr 2026), via Data Center Frontier and ai2.work

WHAT TO DO, IN PRIORITY ORDER

Five decisions for the next *12 months*

1

1. Map your grid exposure

Ops + finance, 30 days: connection queue, capacity, price risk per site.

2

2. Use AI where the grid is tight

Grid ops, 90 days: outage detection, line-capacity pilots.

3

3. Treat power as a ranked budget

CFO, Q1: rank AI workloads by margin per MWh.

4

4. Lock supply early

Procurement, 6 months: PPAs, on-site options, flexible contracts.

5

5. Govern the data

CIO, 90 days: AI Act classification of critical infrastructure uses.

IEA, Energy and AI (Apr 2025); IEA Key Questions on Energy and AI (Apr 2026), via Data Center Frontier and ai2.work

CARDAN-AI

Where does your *grid constraint* bite first?

- Free 30-minute exposure review.
- Energy, O&G, aerospace, industry.

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