China's AI compute centers:
Strategic scale and domestic shift

Key AI compute centers in Mainland China
(selected by the China Academy of Information and Communications Technology)

Ucloud AI Compute Center

80% powered by green energy, >3,000 PFLOPS

Chengdu AI Compute Center

400 PFLOPS, PUE<1.25

Chongqing AI Innovation Center

400 PFLOPS, PUE<1.25

Baiwangxin AI Compute Center

2,000 PFLOPS

iFlyTec AI Compute Center

~10,000 Ascend 910B, support training of 万亿参数 large model

Sense Time AI Computing Center

12,000 PFLOPS, PUE 1.28

China Telecom Lingang AI compute center

~15,000 AI accelerator cards

China Unicom Lingang AI compute center
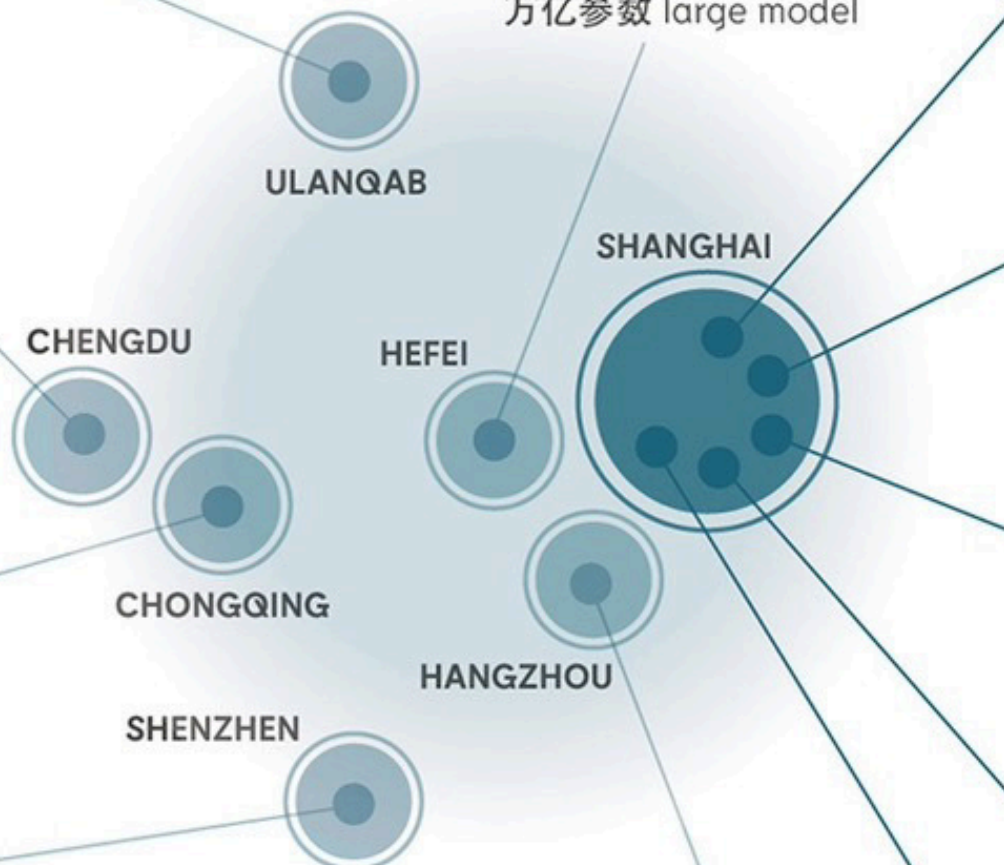
PUE<1.25, 4,200 PFLOPS

China Mobile AI Compute Center

770 PFLOPS

Shanghai Yidian AI Compute Center

PUE<1.2, 30 EFLOPS (FP16)

China Mobile (Zhejiang) AI Compute Center

820 PFLOPS

ULANQAB

CHENGDU

CHONGQING

SHENZHEN

HEFEI

SHANGHAI

HANGZHOU

PUE (Power Usage Effectiveness):
The closer to 1.0, the more energy-efficient the data center

- **Compute capacity:** 788 EFLOPS (FP16) mid-2025, projected 2,782 by 2028.

- **Domestic chips:** State-backed centers must use local chips; subsidies up to 50% of power bills.

- **Buildout:** 30+ cities building AI centers led by major tech firms and SOEs.

What
This
Means.

"Domestic chips, regional subsidies, and hyperscale ambitions are reshaping the infrastructure backbone of the China's digital future."

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Project Leader

Start the conversation.

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