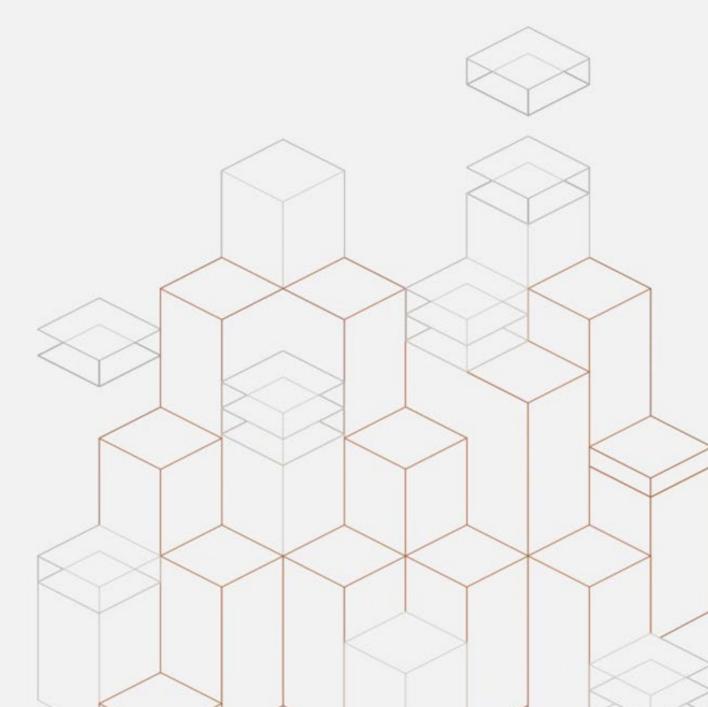


Data Center Insights from a Contractor Perspective

November 1, 2024



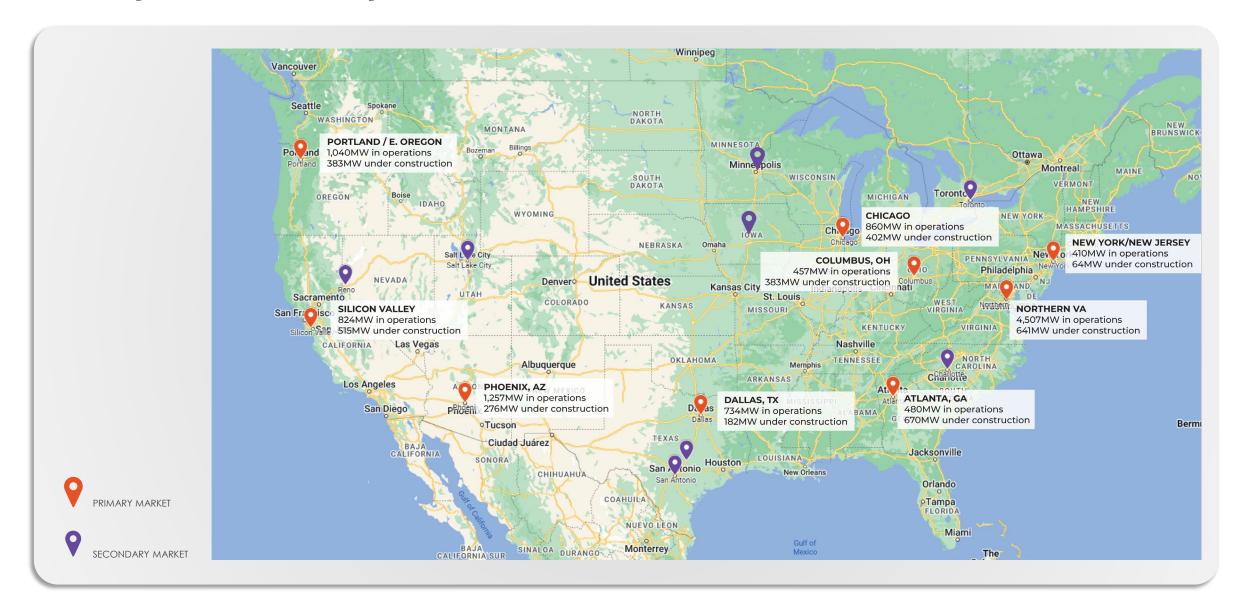


GISI An Increasing Demand for Energy

- Al technology is here and rapidly expanding
- Data center power consumption reached 19GW in 2023, anticipated to increase a further 50GW by 2030
- The data center construction industry integrates land, power, and cooling infrastructure
- Data centers require 24/7 electricity
- "Speed to power" is critical
- Power supply presents a critical bottleneck and risk



GISI Key and Secondary Markets for Construction, 2023



GISI Possible Solutions for Energy Demand

Short-Term

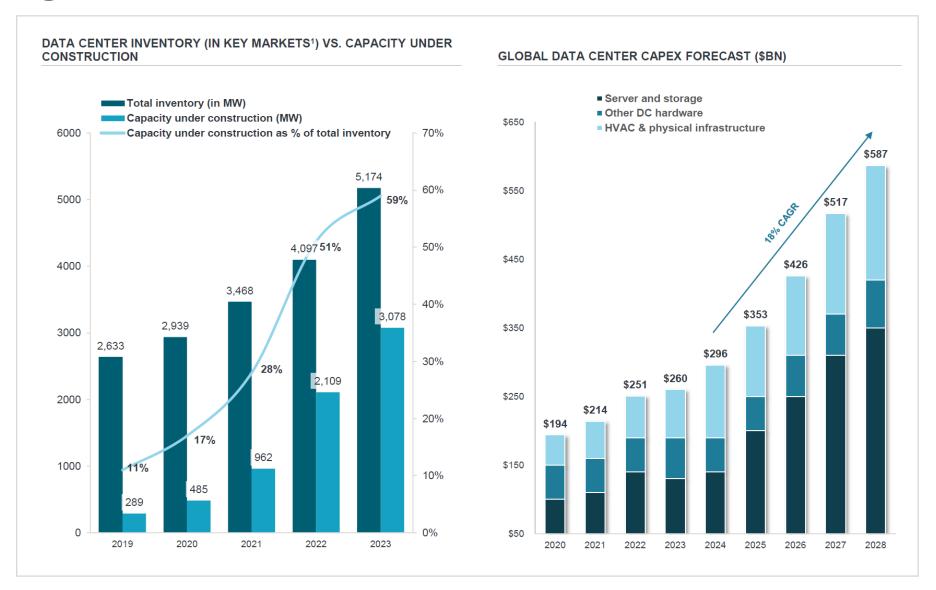
- Move data centers to areas with excess gas generation
- Co-locate data centers adjacent to nuclear and gas generation

Longer-Term

- Build additional gas generation
- Develop new technology such as small modular reactors (SMRs) and advanced geothermal plants



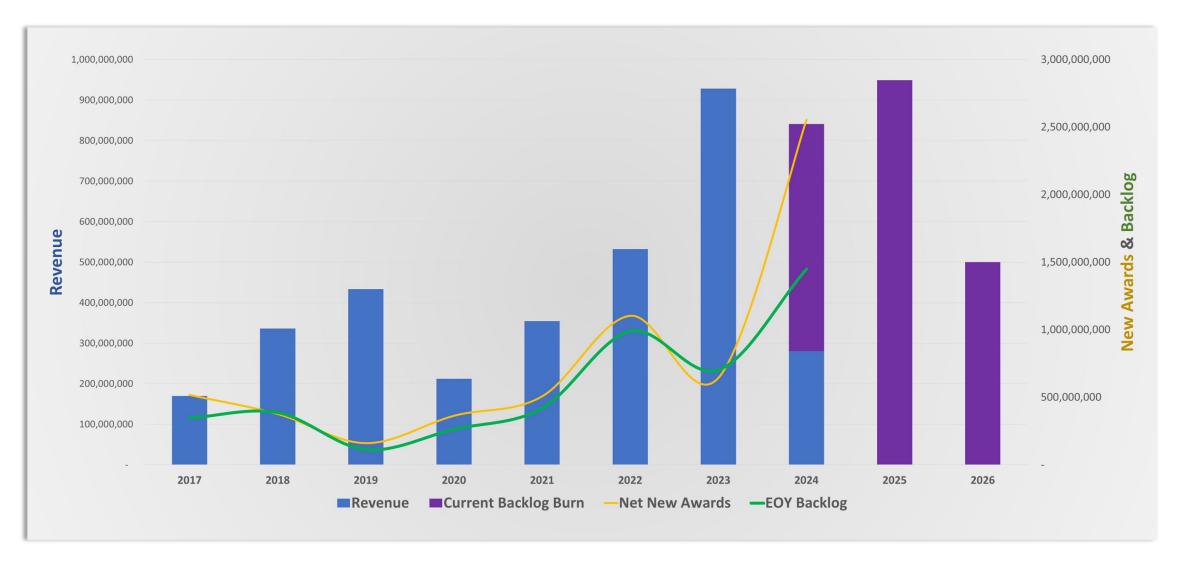
GISI Significant Increase in Data Center Investment



Source: J.P. Morgan / CBRE, TD Cowen

¹ Only includes Virginia, Dallas, Chicago, Silicon Valley, Phoenix, Atlanta, Hillsboro and NY State

GISI Construction Trends Reflect Market Demand



GISI Data Center Revenue and Backlog 2017 - 2026+

GISI New Market Entrants – Investment Firms

Deal flow is exceeding \$20 billion per month in digital infrastructure sector



QTS, DIGITAL REALTY



EVOQUE, COMPASS, DIGITAL REALTY TRUST



COLOGIX, CORESITE



QUANTUM LOOPHOLE,
DIGITAL REALTY



CYRUSONE, VANTAGE



VANTAGE, DATABANK, SWITCH



DIGITAL REALTY TRUST



1547 REALTY, AREP



CYRUSONE STA



STACK, T5 DATA CENTERS

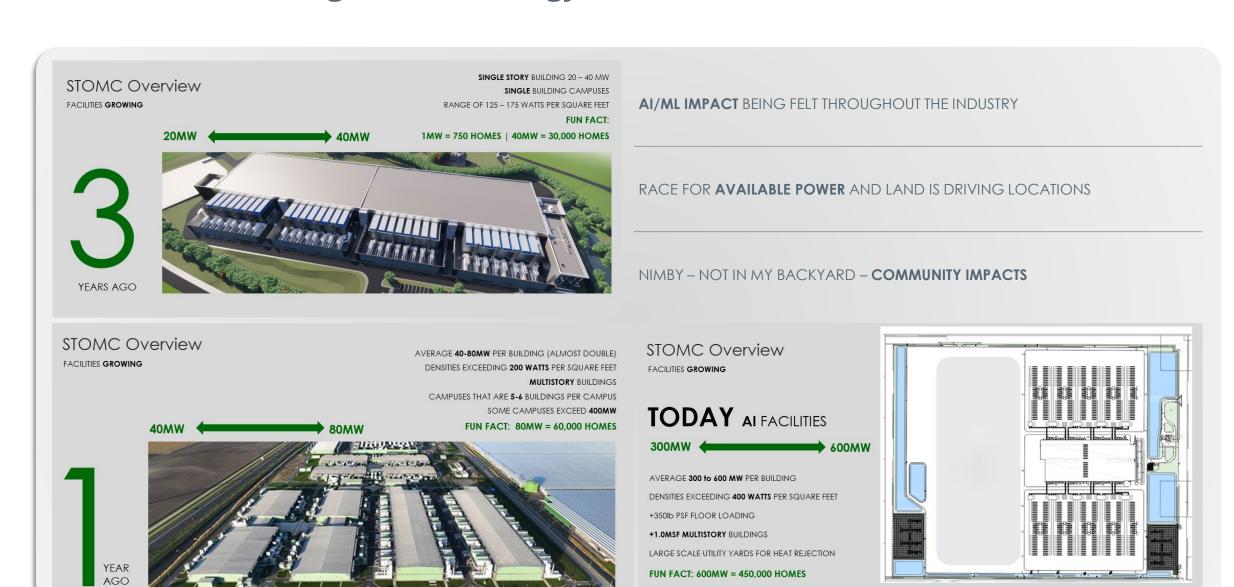


EDGECONNEX



PRIME DATA CENTERS, ALIGNED DATA CENTERS

GISI Market Challenges – Technology, Power, & Communities

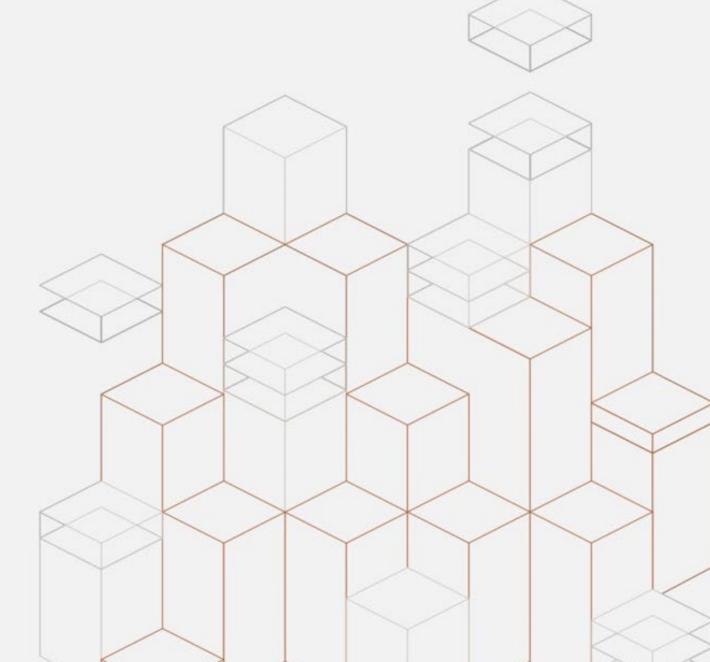


GISI Key Takeaways

- Construction is showing same trend as the overall market
- New entrants investing in data center growth are some of the largest financial service companies in the world
- Tenants are the some of the largest market capitalization companies in the world
- Exponential growth of data center industry continues to outpace the available power supply
- No sign of a slowdown in demand







Q&A