

Data center AI strategies are mixed in early 2025

UII DATA REPORT 172 | APRIL 2025

SUMMARY

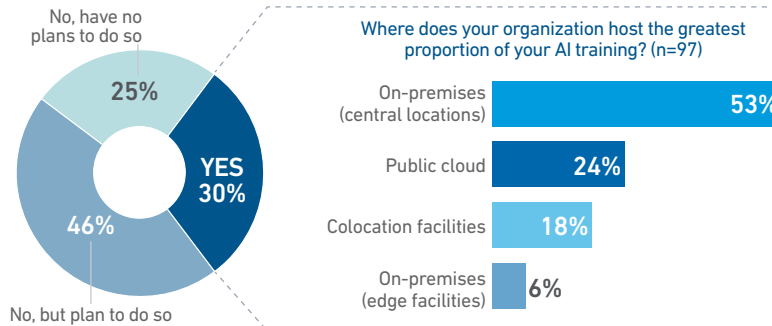
Nearly one in three operators report that their organization performs AI training and inference in early 2025.

Although most operators plan to support AI in the future, current infrastructure strategies offer insight into how future deployments may evolve.

Results from the Uptime Institute AI Infrastructure Survey 2025 highlight the diverse goals shaping organizations' AI strategies, and show how these goals influence key decisions on project location.

Three in 10 currently perform AI training, mostly on-premises

Does your organization currently perform AI training? (n=426)

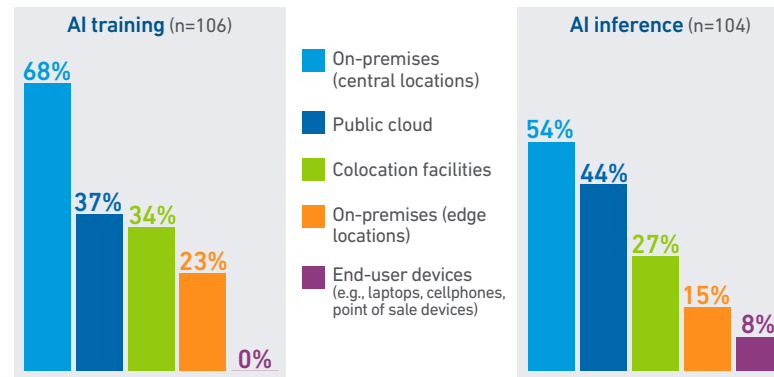


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Organizations use a mix of facilities for AI projects

Which of the following facility types does your organization use to perform AI training and AI inference? Choose all that apply.

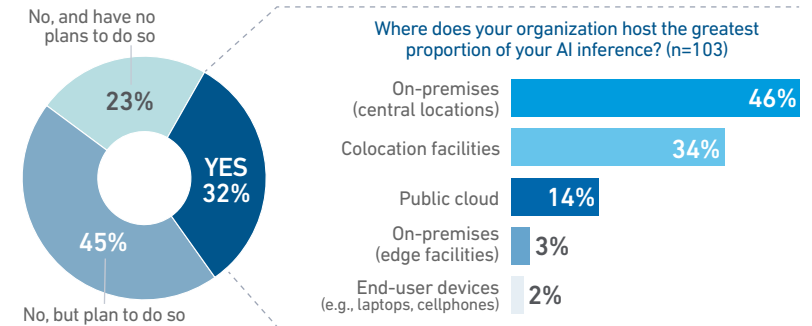


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Most AI inference is performed outside of public cloud

Does your organization currently host applications that perform AI inference? (n=340)

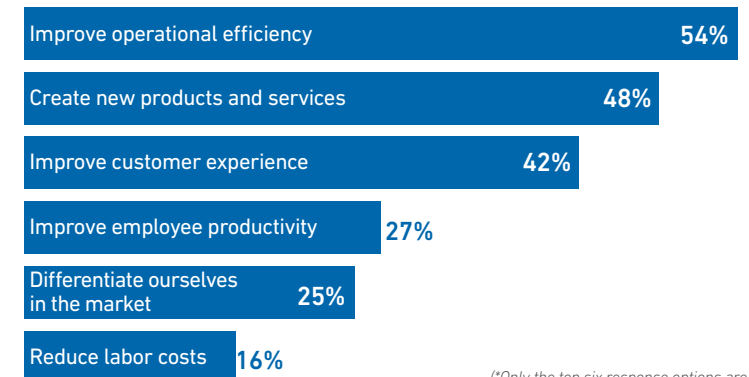


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Data center AI projects target efficiency and product development

Of your organization's projects that require AI infrastructure, which of the following are the most important reasons for their implementation? Choose no more than three. (n=281)



(*Only the top six response options are shown)

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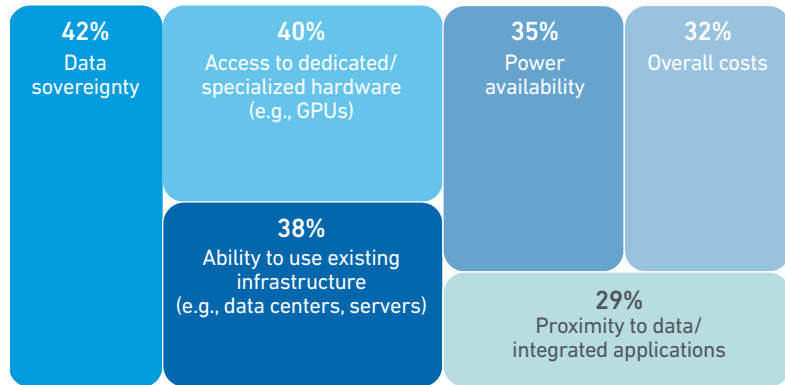
ABOUT THIS SURVEY

The Uptime Institute AI Infrastructure Survey 2025, conducted online in January and February 2025, had more than 1,000 respondents. This report highlights some of the findings.

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Data sovereignty and hardware drive location choices for AI training

Which of the following are having the greatest impact on your organization's choice of location for AI training? Choose no more than three. (n=106)

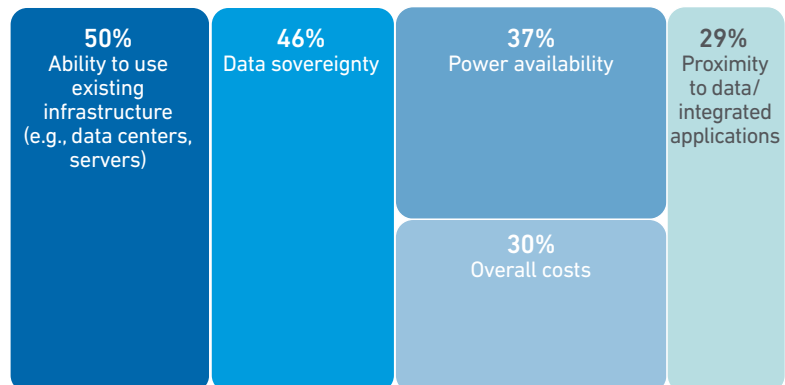


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Companies prioritize using existing infrastructure for AI inference

Which of the following are having the greatest impact on your organization's choice of location for AI inference? Choose no more than three. (n=103)

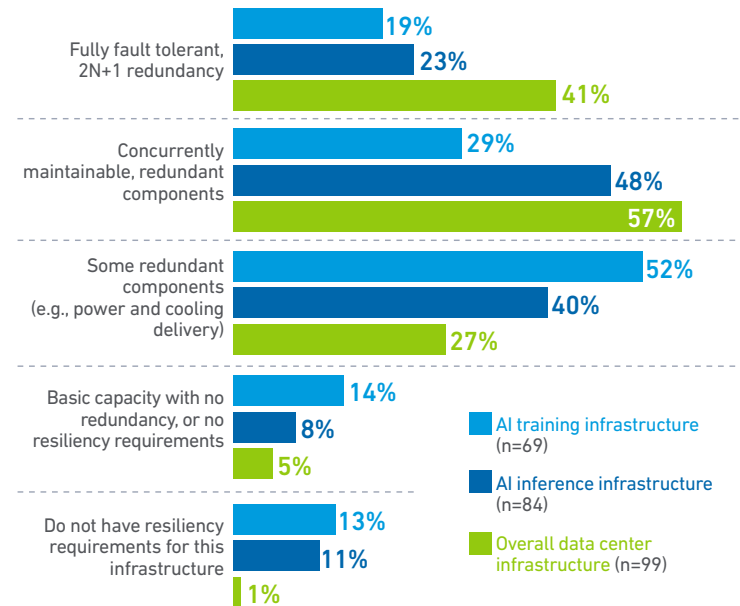


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Resiliency requirements for AI differ from overall infrastructure

What level of resiliency does your organization have for AI inference and AI training infrastructure, and what level of resiliency does your organization have for its overall infrastructure? Choose all that apply.

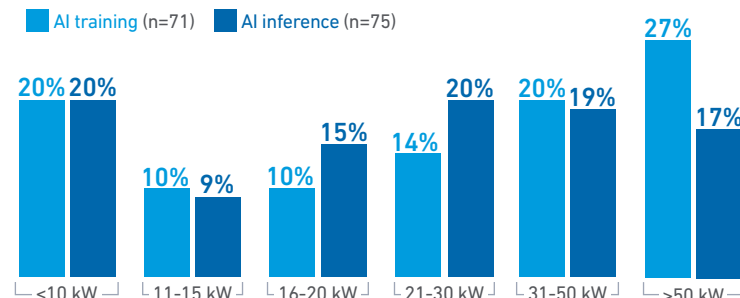


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Rack power densities for AI vary widely

What is your estimated average rack density for AI training and inference hardware?

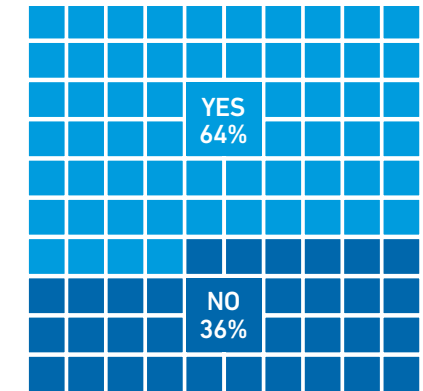


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Nearly two thirds use same infrastructure for AI training and inference

Does your organization use the same AI infrastructure for both training and inference? (n=95)

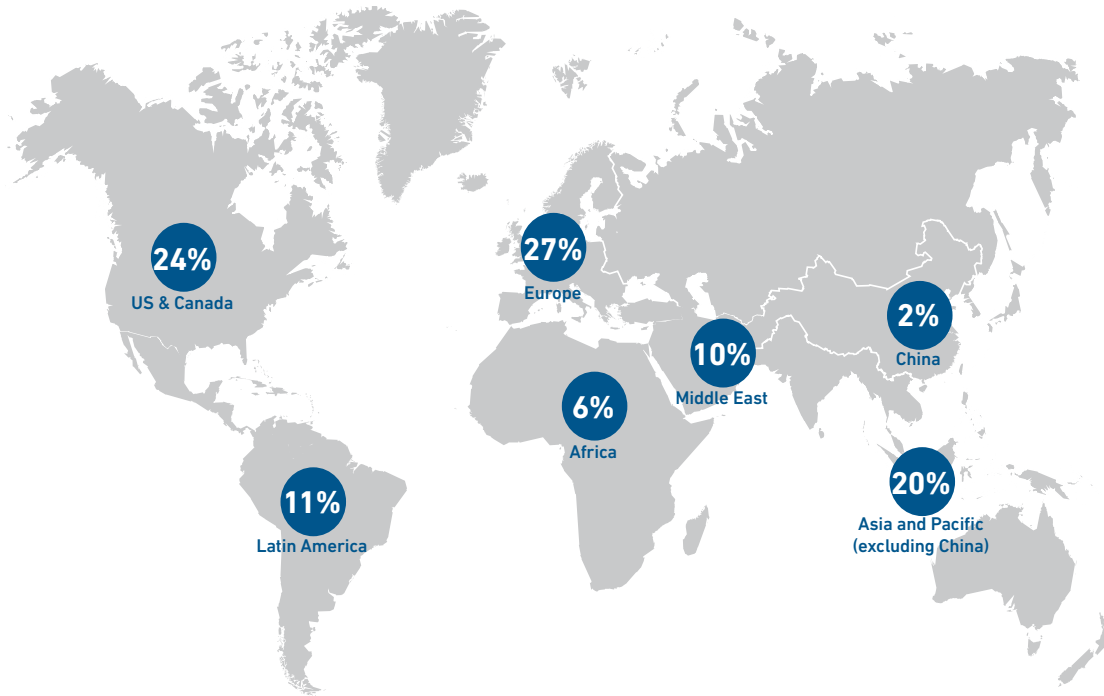


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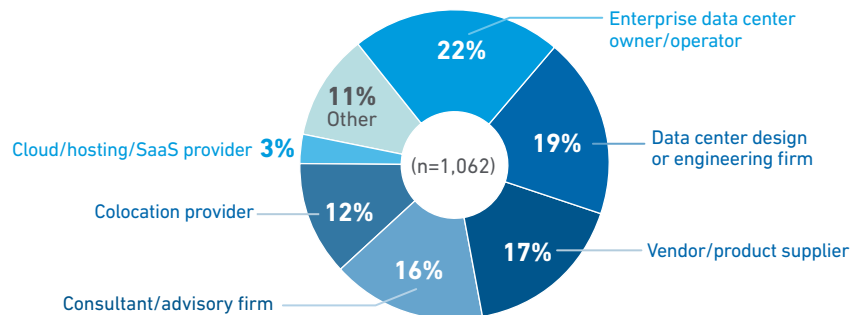


Demographics: Uptime Institute AI Infrastructure Survey 2025

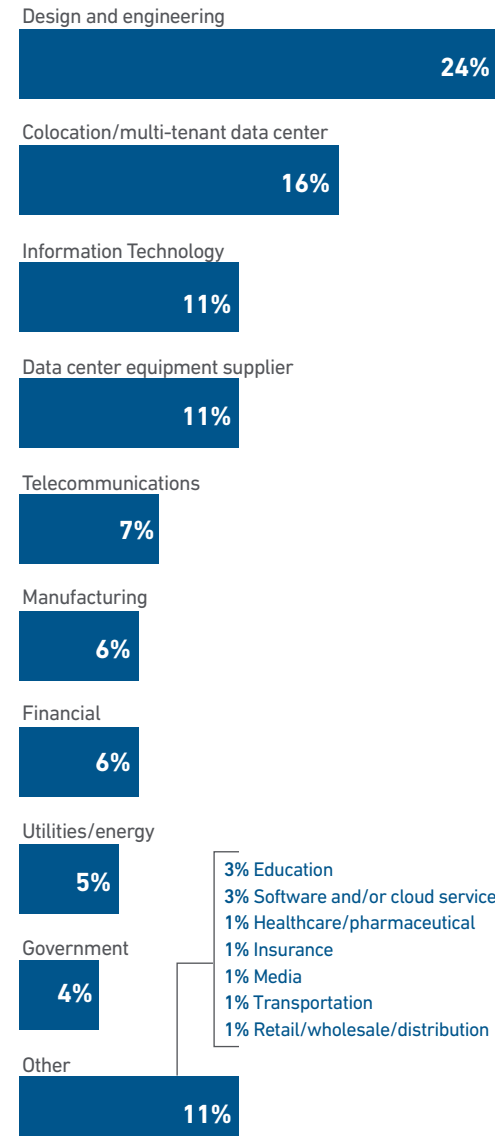
Company location (n=1,062)



Digital infrastructure environment



Verticals (n=800)



- 3% Education
- 3% Software and/or cloud services
- 1% Healthcare/pharmaceutical
- 1% Insurance
- 1% Media
- 1% Transportation
- 1% Retail/wholesale/distribution

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About Uptime Institute

Uptime Institute is the Global Digital Infrastructure Authority. Its Tier Standard is the IT industry's most trusted and adopted global standard for the proper design, construction, and operation of data centers – the backbone of the digital economy. For over 25 years, the company has served as the standard for data center reliability, sustainability, and efficiency, providing customers assurance that their digital infrastructure can perform at a level that is consistent with their business needs across a wide array of operating conditions.

With its data center Tier Standard & Certifications, Management & Operations reviews, broad range of related risk and performance assessments, and accredited educational curriculum completed by over 10,000 data center professionals, Uptime Institute has helped thousands of companies, in over 100 countries to optimize critical IT assets while managing costs, resources, and efficiency.

Uptime Institute is headquartered in New York, NY, with offices in Seattle, London, Sao Paulo, Dubai, Singapore, and Taipei. For more information, please visit www.uptimeinstitute.com

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