Uptime Institute Global Data Center Survey 2025: regional view

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SUMMARY

The Uptime Institute Global Data Center Survey, now in its 15th year, is the most comprehensive and longest-running study of its kind. This report provides a regional view of the results and highlights the different challenges and strategies of data center owners and operators across the globe.

For analysis of the survey results from more than 800 data center operators and owners across all the regions combined, see the full report (*Uptime Institute Global Data Center Survey 2025*).

Legend:
- Europe
- North America
- Middle East and Africa
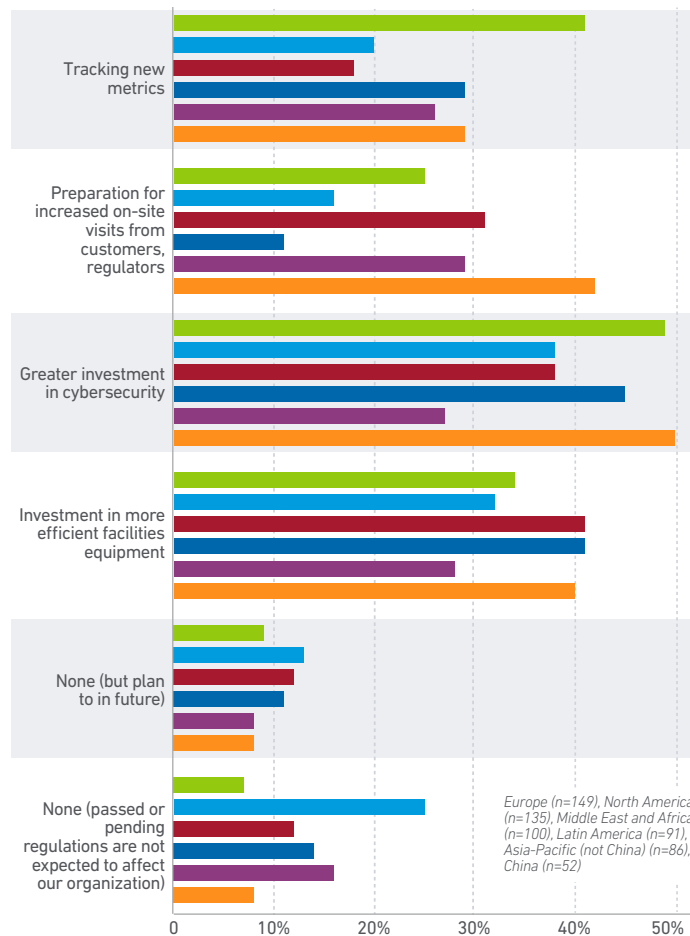- Latin America
- Asia-Pacific (not China)
- China

ABOUT THIS SURVEY

The Uptime Institute Global Data Center Survey 2025, conducted online in April and May 2025, had more than 800 data center owner and operator respondents. This report highlights some of the findings.

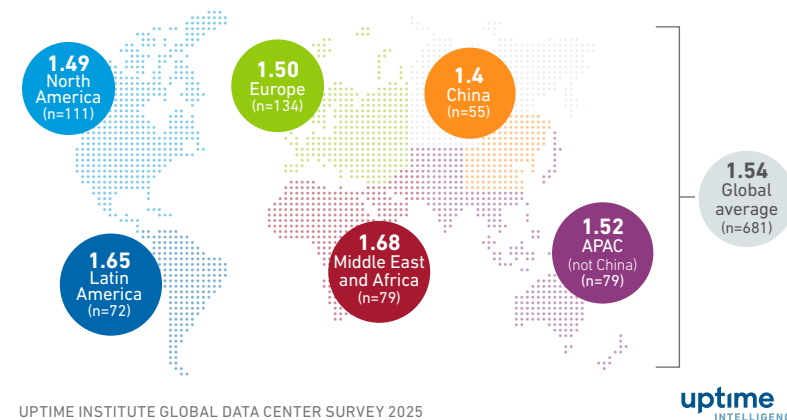## N America is less impacted by new regulations than other regions

Which of the following initiatives (if any) has your organization started or increased in response to recent or pending regulations in the past 12 months? Choose all that apply.

Categories: Tracking new metrics; Preparation for increased on-site visits from customers, regulators; Greater investment in cybersecurity; Investment in more efficient facilities equipment; None (but plan to in future); None (passed or pending regulations are not expected to affect our organization)

Europe (n=149), North America (n=135), Middle East and Africa (n=100), Latin America (n=91), Asia-Pacific (not China) (n=86), China (n=52)
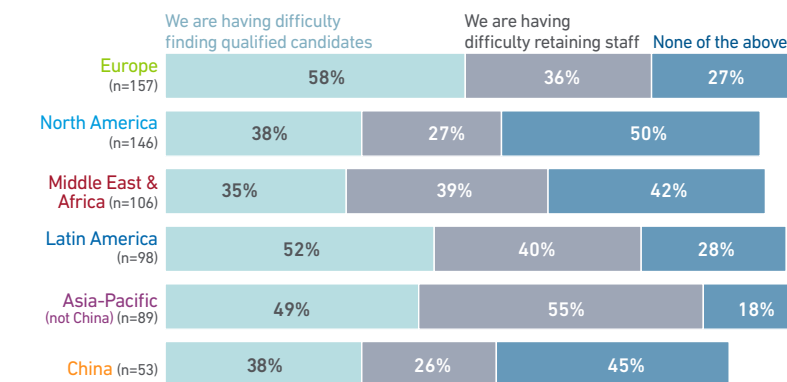
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Operators in China, Europe and N America report lowest average PUEs

What is the average annual PUE for your data center?

- 1.49 North America (n=111)
- 1.50 Europe (n=134)
- 1.4 China (n=55)
- 1.65 Latin America (n=72)
- 1.68 Middle East and Africa (n=79)
- 1.52 APAC (not China) (n=79)
- 1.54 Global average (n=681)

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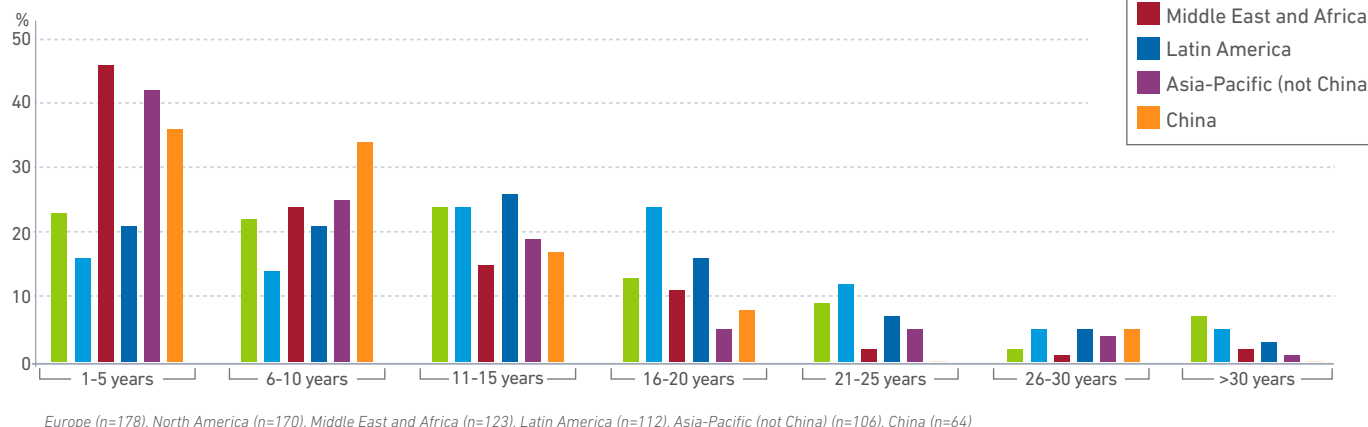## Staffing challenges are greatest in APAC, Europe and Latin America

Please select any of the following statements that apply:

	We are having difficulty finding qualified candidates	We are having difficulty retaining staff	None of the above
Europe (n=157)	58%	36%	27%
North America (n=146)	38%	27%	50%
Middle East & Africa (n=106)	35%	39%	42%
Latin America (n=98)	52%	40%	28%
Asia-Pacific (not China) (n=89)	49%	55%	18%
China (n=53)	38%	26%	45%

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Newest data centers are in APAC and Middle East and Africa

How old is the data center you work in (from when it was commissioned and became operational)?
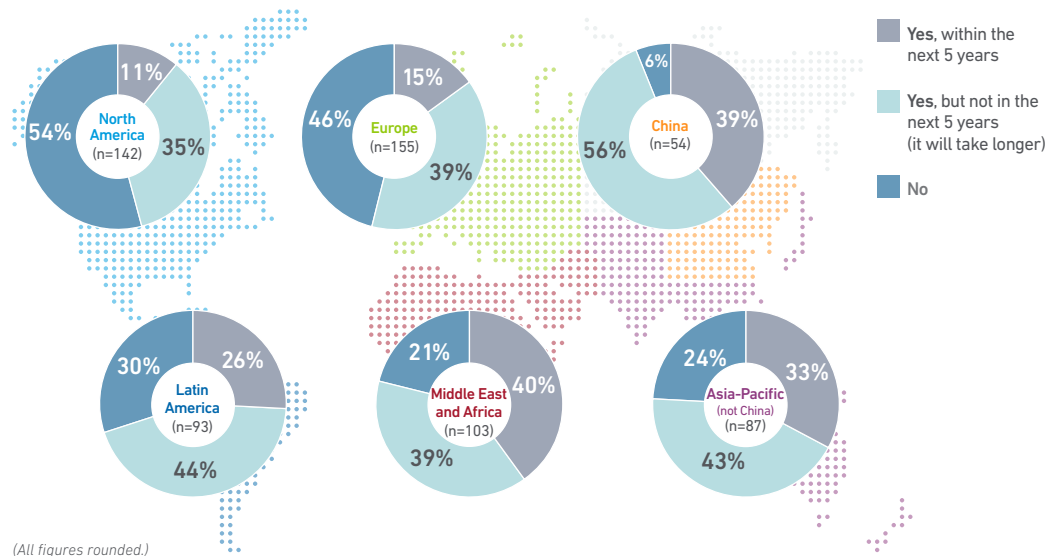
Legend:
- Europe
- North America
- Middle East and Africa
- Latin America
- Asia-Pacific (not China)
- China

Europe (n=178), North America (n=170), Middle East and Africa (n=123), Latin America (n=112), Asia-Pacific (not China) (n=106), China (n=64)

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Most N America operators expect AI will not lower staff requirements

Do you believe AI will reduce your data center operations staffing requirements in the next 5 years?
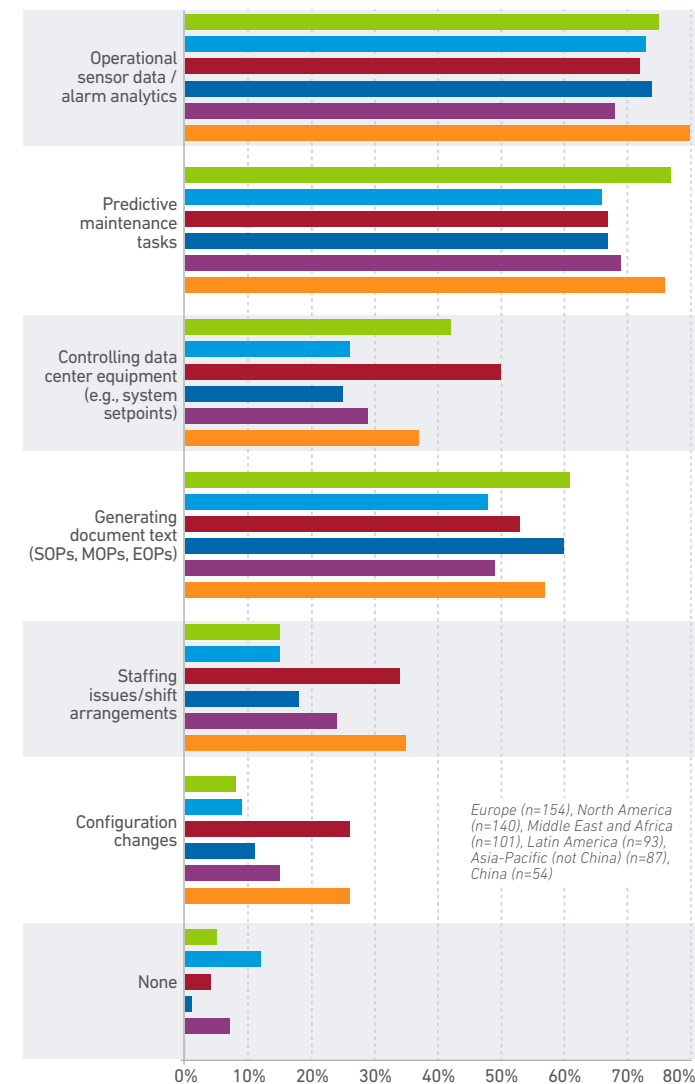

North America (n=142): 11%, 54%, 35%
Europe (n=155): 15%, 46%, 39%
China (n=54): 6%, 56%, 39%
Latin America (n=93): 26%, 30%, 44%
Middle East and Africa (n=103): 40%, 21%, 39%
Asia-Pacific (not China) (n=87): 33%, 24%, 43%

Legend:
- Yes, within the next 5 years
- Yes, but not in the next 5 years (it will take longer)
- No

(All figures rounded.)

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N America operators show least trust in AI for operations

Which of the following (if any) would you allow AI to make operational decisions in a data center, assuming it has been adequately trained with historical data? Choose all that apply.
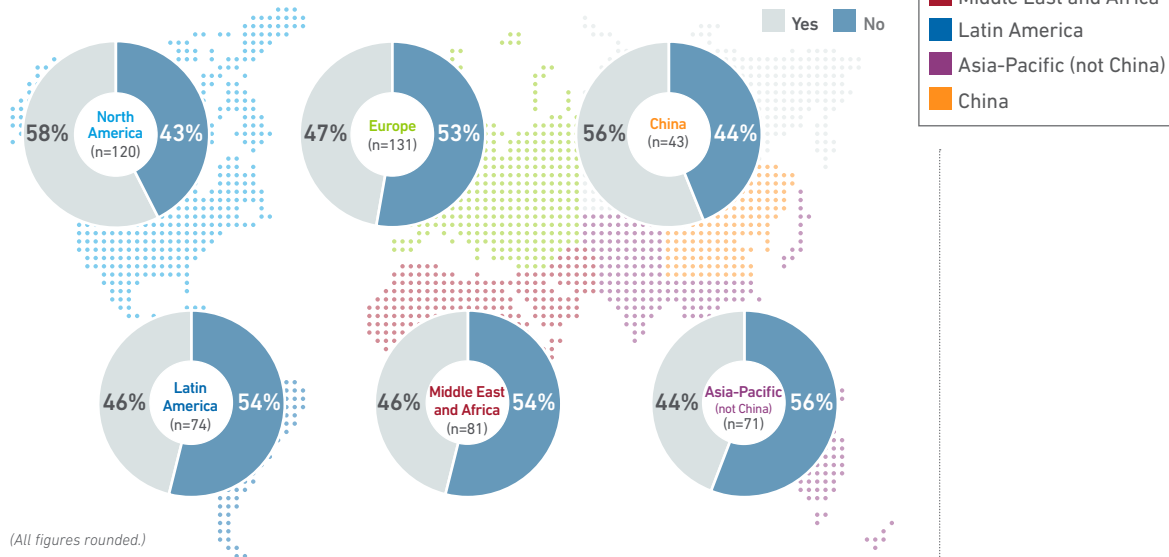

Categories (top to bottom):
- Operational sensor data / alarm analytics
- Predictive maintenance tasks
- Controlling data center equipment (e.g., system setpoints)
- Generating document text (SOPs, MOPs, EOPs)
- Staffing issues/shift arrangements
- Configuration changes
- None

Europe (n=154), North America (n=140), Middle East and Africa (n=101), Latin America (n=93), Asia-Pacific (not China) (n=87), China (n=54)

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N America and China lead in hosting mission critical workloads in the cloud

Does your organization use public cloud computing (e.g., IaaS, PaaS) to host your own mission critical workloads?
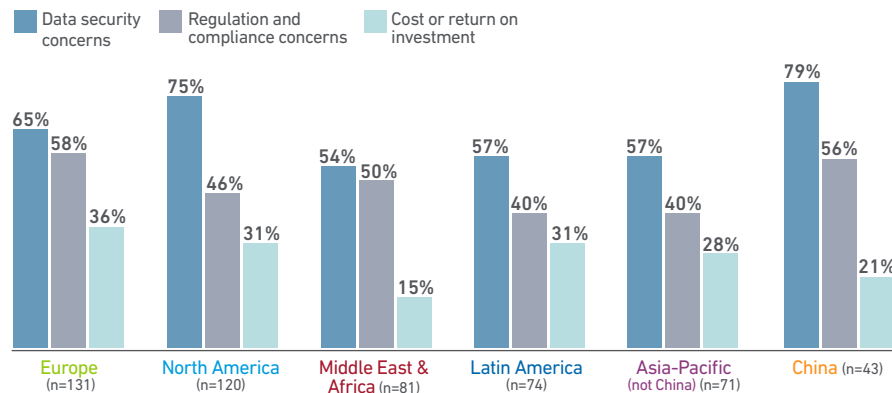
Legend:
- Europe
- North America
- Middle East and Africa
- Latin America
- Asia-Pacific (not China)
- China

Yes / No

- North America (n=120): 58% / 43%
- Europe (n=131): 47% / 53%
- China (n=43): 56% / 44%
- Latin America (n=74): 46% / 54%
- Middle East and Africa (n=81): 46% / 54%
- Asia-Pacific (not China) (n=71): 44% / 56%

(All figures rounded.)

Data security concerns around cloud are highest in N America and China

What are the main reasons you do not place mission-critical workloads into public clouds? Choose no more than three.
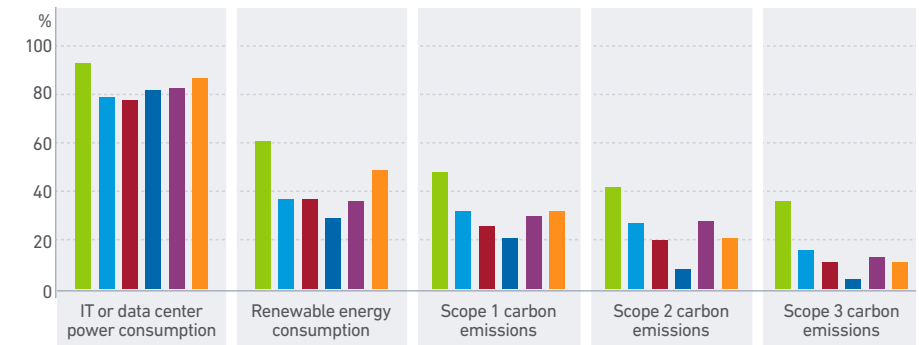
Legend: Data security concerns | Regulation and compliance concerns | Cost or return on investment

Region	Data security concerns	Regulation and compliance concerns	Cost or return on investment
Europe (n=131)	65%	58%	36%
North America (n=120)	75%	46%	31%
Middle East & Africa (n=81)	54%	50%	15%
Latin America (n=74)	57%	40%	31%
Asia-Pacific (not China) (n=71)	57%	40%	28%
China (n=43)	79%	56%	21%

Europe leads in tracking energy and emissions data

Which of the following IT or data center metrics does your organization collect for corporate sustainability purposes? Choose all that apply.
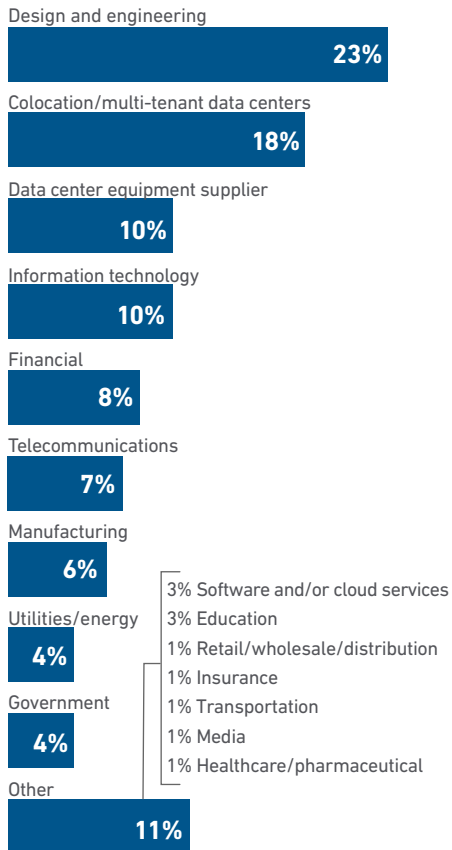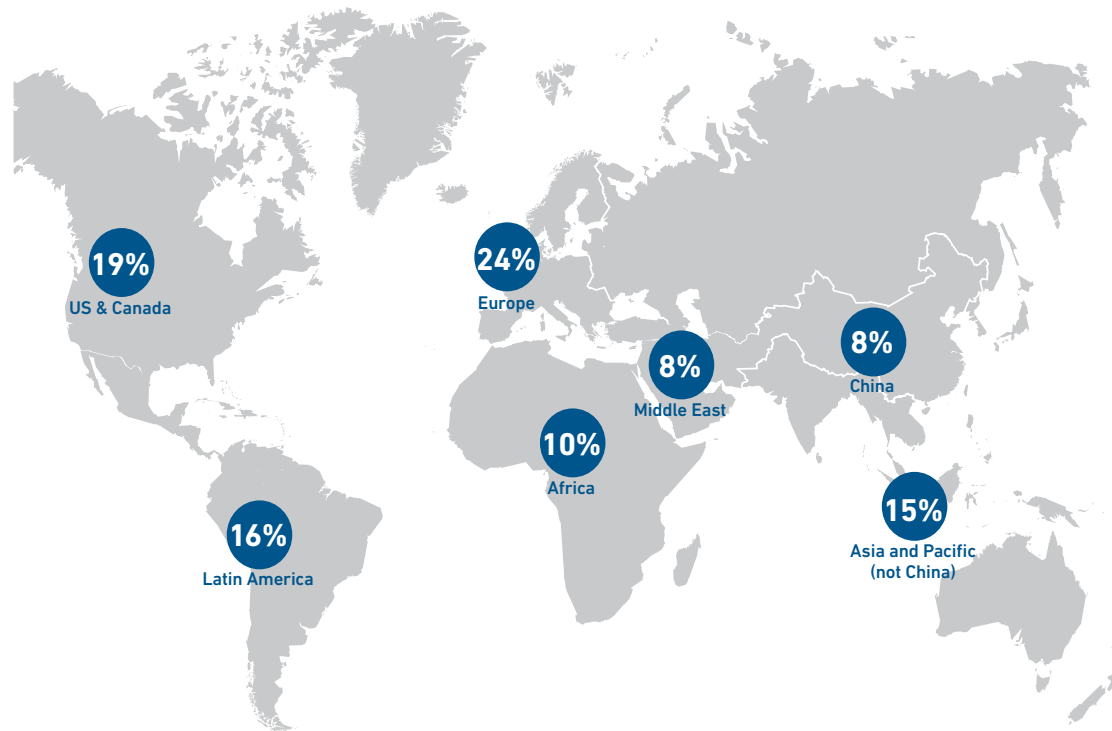
Metric	Europe	North America	Middle East and Africa	Latin America	Asia-Pacific (not China)	China
IT or data center power consumption	92	79	78	82	83	87
Renewable energy consumption	61	37	37	30	36	49
Scope 1 carbon emissions	48	32	26	21	30	32
Scope 2 carbon emissions	42	27	20	8	28	21
Scope 3 carbon emissions	36	16	11	5	13	11

Europe (n=152), North America (n=134), Middle East and Africa (n=100), Latin America (n=91), Asia-Pacific (not China) (n=86), China (n=53)

Demographics: Uptime Institute Global Data Center Survey 2025

Verticals (n=1200)

Design and engineering
23%

Colocation/multi-tenant data centers
18%

Data center equipment supplier
10%

Information technology
10%

Financial
8%

Telecommunications
7%

Manufacturing
6%

Utilities/energy
4%

Government
4%

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

Other
11%

Company location (n=770)

19% US & Canada

24% Europe

8% China

8% Middle East

10% Africa

15% Asia and Pacific (not China)

16% Latin America

Digital infrastructure environment (n=1206)

25% Senior executive (VP or C-level)	**20%** Consultant	**13%** Design engineerr	**7%** IT manager	**3%** IT operations staff
		12% Critical facilities manager	**5%** Critical facilities operations staff	**14%** Other
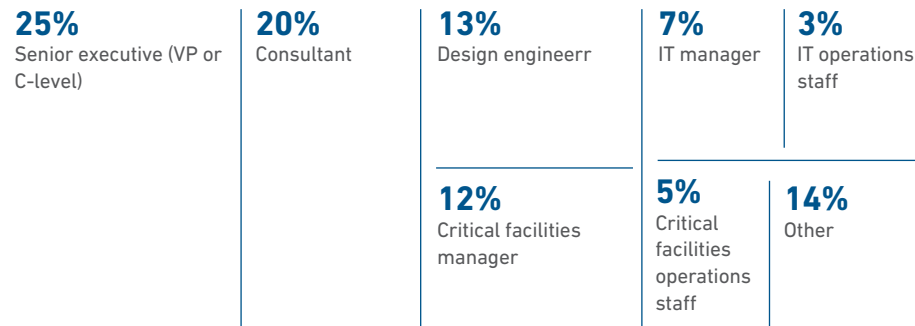
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About Uptime Institute

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**