## Uptime Institute Supply Chain Survey 2021

03 2021

### **KEY FINDINGS**

- The COVID-19 pandemic disrupted data center supply chains, interrupting operations and new builds. Operators, especially those with large sites, expect shortages to last at least 2-3 years.
- To maintain resiliency, operators are likely to demand greater visibility into their supply chains. Operators and builders may need to continuously review supply chain vulnerabilities to inform their sourcing strategy.

#### **ABOUT THIS SURVEY**

The Uptime Institute Supply Chain Survey 2021 was conducted in July and August 2021 and had over 430 global respondents. This report highlights responses from the 241 data center user/owner/operator participants.

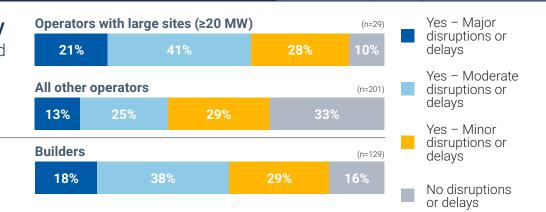
## Supply chain disruptions hit many

Larger operations and builders most affected

Have your organization's data center operations suffered supply chain disruptions or delays during the past 18 months?

Have your organization's data center build projects suffered supply chain disruptions during the past 18 months?

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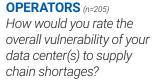
### Threat of shortages remains a worry

BUILDERS (n=111)

How would you rate the

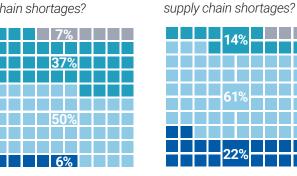
data center projects to

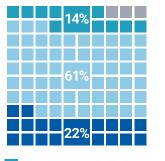
overall vulnerability of your



Very vulnerable

Not very vulnerable

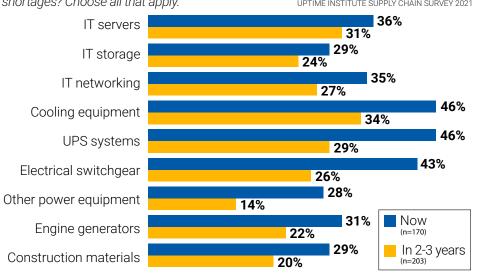






## Operators expect shortages to remain but ease gradually

In which of the following areas - if any - is your organization vulnerable to supply chain shortages? Choose all that apply. UPTIME INSTITUTE SUPPLY CHAIN SURVEY 2021



## Many want better supply chain visibility

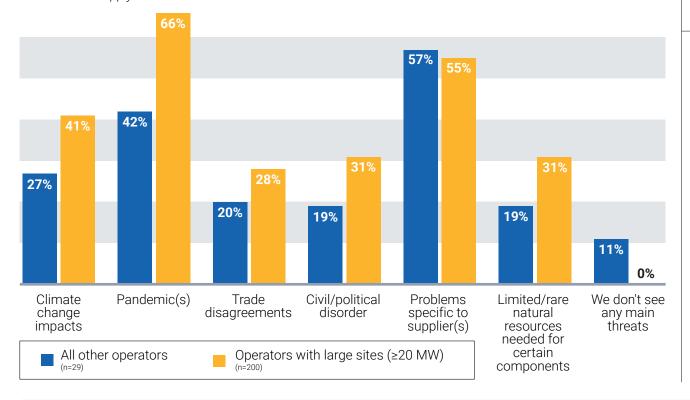
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## Operators with large sites tend to see more risks

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Which of the following do you think are the main threats to your organization's data center operations supply chain? Choose all that apply.



## Most added inventory in response to COVID-19

Because of the COVID-19 pandemic, has your organization made any changes to its data center supply chain during the past 18 months? Choose all that apply.

Yes We arranged for more local suppliers

**Yes** We arranged for a second (or more) source

**Yes** We increased inventory of parts/materials

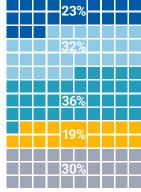
**Yes** We changed one or more suppliers

7%

14%

31%

48%



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No changes

# Half are exposed to vendor-specific delays

Which statement best describes the sourcing strategy of your data center's capital equipment suppliers for mechanical, electrical, and plumbing (MEP) functions?

We have one equipment supplier for all or nearly all MEP functions

We have a single equipment supplier for each MEP function

We have multiple equipment suppliers for some MEP functions, and a single equipment supplier for other MEP functions

We have multiple equipment suppliers for each MEP function

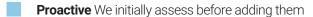
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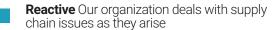
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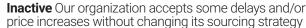
### Most do not conduct regular supply chain reviews

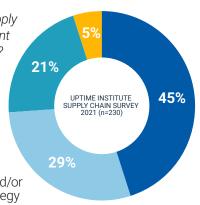
Which best describes how your organization handles supply chain resilience with its data center suppliers of equipment for mechanical, electrical, and plumbing (MEP) functions?











## Suppliers' costs, and leverage, raised equipment prices



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### **ABOUT UI INTELLIGENCE**

Uptime Institute (UI) Intelligence is an independent unit of Uptime Institute

dedicated to identifying, analyzing and explaining the trends, technologies, operational practices and changing business models of the mission-critical infrastructure industry. For more about Uptime Institute Intelligence, visit uptimeinstitute.com/ui-intelligence or contact research@uptimeinstitute.com.

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#### End user demographics UPTIME INSTITUTE DATA CENTER CAPACITY SURVEY 2021 **VERTICALS** Colocation/Multi-tenant COMPANY LOCATION Russia and CIS data centers 36% Financial Software and/or Europe cloud services 11% Telecommunications US and Government Canada Healthcare/Pharmaceutical 14% 4% Retail/Wholesale/Distribution Latin America Africa Asia-Pacific 4% Utilities/Energy (not China) 3% Insurance **JOB FUNCTION** 3% Education 15% 26% 24% 19% 15% 2% Manufacturing Data center user/ owner/operator: owner/operator: owner/operator: owner/operator: owner/operator: 1% Transportation Senior Executive IT Manager Critical Facilities Critical Facilities Data Center Design (VP or C-level) Manager Engineer 1% Media Operation

## Vendor demographics

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