LOCATION MATTERS: Where is your data center lab?

Data center lab spaces are often an afterthought. Have you considered the location of yours, and its impact on power usage, rental costs and utilization of resources?

OFFICE SPACE

Housing data center labs within commercial offices is an inefficient use of space and money. Most commercial office space lacks HVAC that can handle heavy loads as data center footprints grow.

- 62% are housing R&D infrastructure within commercial space
- 42% are paying retail power rates ($0.15 kW/h average)
- 40% struggle with the cost of lab infrastructure

WITHIN CORE IT INFRASTRUCTURE

There is industry-wide confusion regarding what level of redundancy is needed to run an R&D lab versus critical infrastructure.

- Energy costs account for up to 50% of running IT infrastructure
- Critical IT infrastructure runs on 2N (fully redundant) power, while data center labs can run effectively on an N configuration
- 42% of respondents cite uptime and reliability as highest priority for data center labs, despite not being mission critical infrastructure

WHOLESALE PROVIDER

Wholesale provides more competitive power rates and efficient configurations within a purpose-built, off-site space with managed services options.

- Wholesale power rate: $0.096 kW/h average
- 46% of respondents are satisfied with current level of accessibility to their IT equipment
- 49% cite flexibility as an important factor
- 94% of respondents manage their data center labs in-house, meaning access is critical
- 40% of respondents don't have the time or resources to manage their own data centers

CLOUD SOLUTION

While it may present a cost-effective option for some needs, cloud limits options regarding security, accessibility and flexibility.

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