RAPID DATA CENTER DEPLOYMENT: BUSINESS & TECHNICAL IMPERATIVES

Increasing demand for cloud services and growing adoption of artificial intelligence and other advanced technologies are driving the rapid growth of the hyperscale data center market. However, data center operators face a number of challenges, including continued supply chain delays and rising energy costs. Operators are looking for ways to streamline projects, meet sustainability objectives and simplify product sourcing across global footprints.

ProSys helps organizations expand their global data center presence while managing their supply chains, maintaining engineering standards, anticipating capacity requirements, and streamlining small to large scale repeatable rack deployments. We take on these responsibilities so that customers can focus on their core competencies and better meet their business objectives.

70%

of data center professionals say rack density has increased in the past three years, with 21% reporting significant increases. 1

75%

of all data will be processed at the network edge by 2025, up from 10 percent in 2018.2

30%

increase in chip purchases by hyperscale data centers in 2021, with demand expected to remain well above historical trends.3

2%

of total U.S. electricity is consumed by data center facilities, which use 10 to 50 times as much electricity per square foot as an office building.4

50%

energy reduction across all facilities is the goal of almost half of data center decision-makers, with an average target date of 2024.

78%

to implement or mature sustainability initiatives in the next 12 months, their second-highest business priority. 6

of data center decision-makers plan

314

8.4kW

10 to 20 weeks

Gartner Deloitte US Department of Energy

Forrester Consulting Synergy Research Uptime Institute Deloitte

HYPERSCALE DATA CENTER GROWTH INHIBITORS





Operational overhead is skyrocketing due to

high energy costs as the density and geographic footprint of data centers continue to increase.



As organizations add data centers at the network edge, managing multiple partners,

suppliers, standards and process

workstreams requires significant staff resources. **KEY FACTORS IN HYPERSCALE DATA CENTER OPTIMIZATION**



PLANNING AND PRE-PLANNING CAPABILITIES

Improved product lifecycle planning ensures that projects are completed on time, reducing



EFFECTIVE RESOURCE UTILIZATION

capital costs, accelerating time to market and

increasing competitive advantages.

NEGATIVE CARBON FOOTPRINT

Predictable and consistent expansion

better allocate resources, cutting costs

enables data center operators to

while meeting customer demands.





ENHANCED VENDOR MANAGEMENT

Reducing environmental impacts

among customers.

delivers real-world benefits, including lower costs and a positive perception



vendor management processes

reduces costs and helps keep

projects on schedule.

Fully integrating edge data centers and

faster and capture more market share.

incorporating common standards enables operators to bring edge sites online

Want to learn more?

Please contact your ProSys team to discuss how we may better support your

