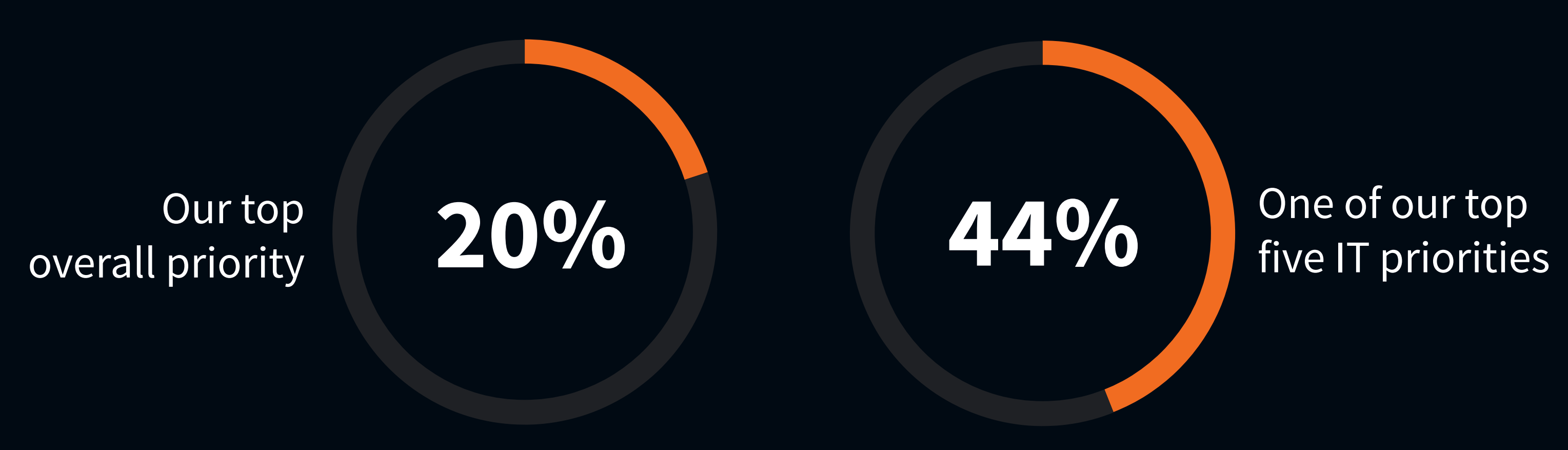
ESG a division of TechTarget Enterprise Strategy Group | Getting to the bigger truth.™

The State of Digital Ecosystems at the Edge

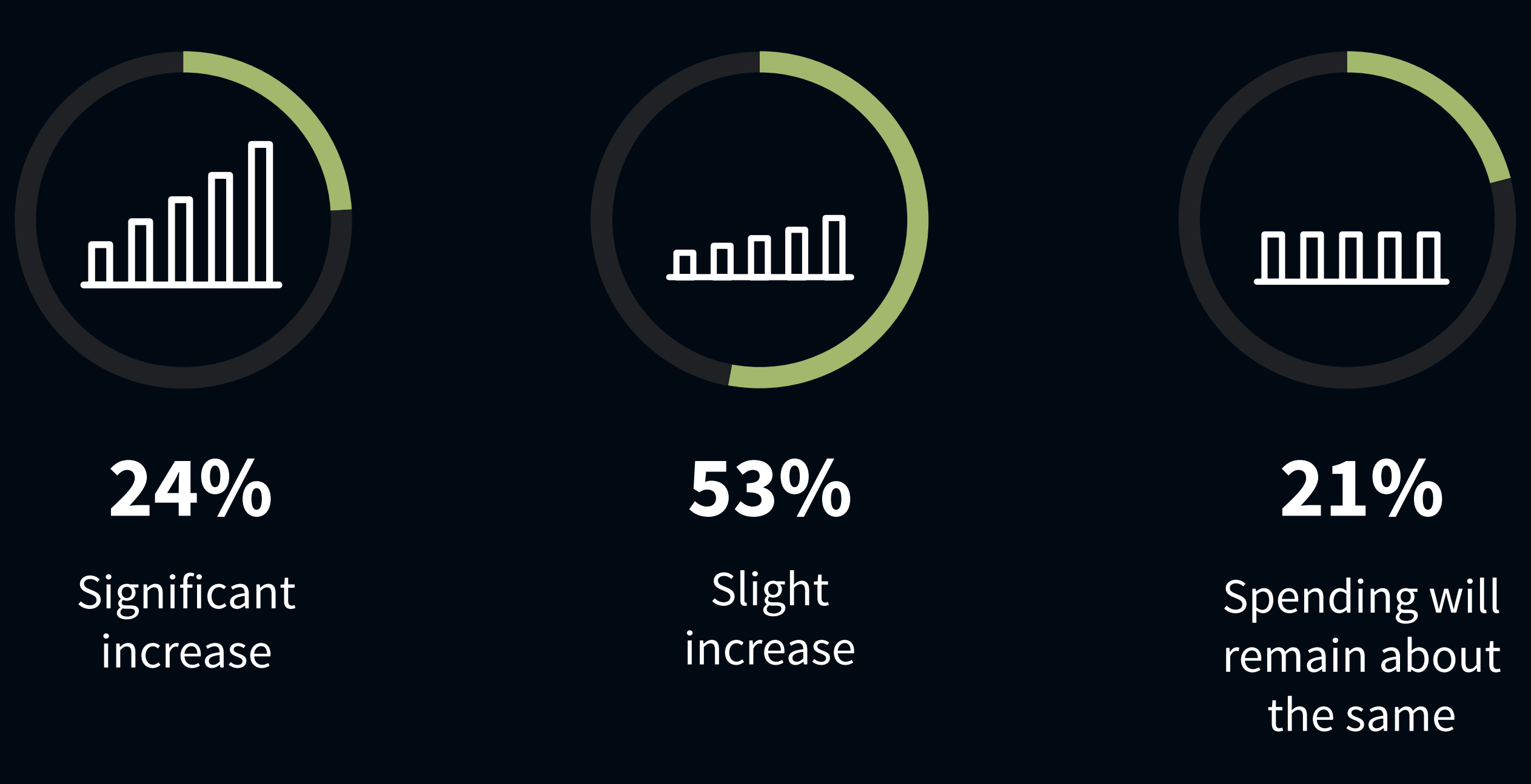
The need to collect and analyze data generated at edge locations is playing an increasingly important role in enabling organizations to improve quality, deliver enhanced experiences (both customer and employee), and gather deeper insights into the business. To understand how IT organizations are leveraging and optimizing their use of important edge sites, ESG surveyed IT professionals responsible for their organization's edge computing applications, tools, policies, and procedures.

Edge computing is a priority.

Edge computing priority level.



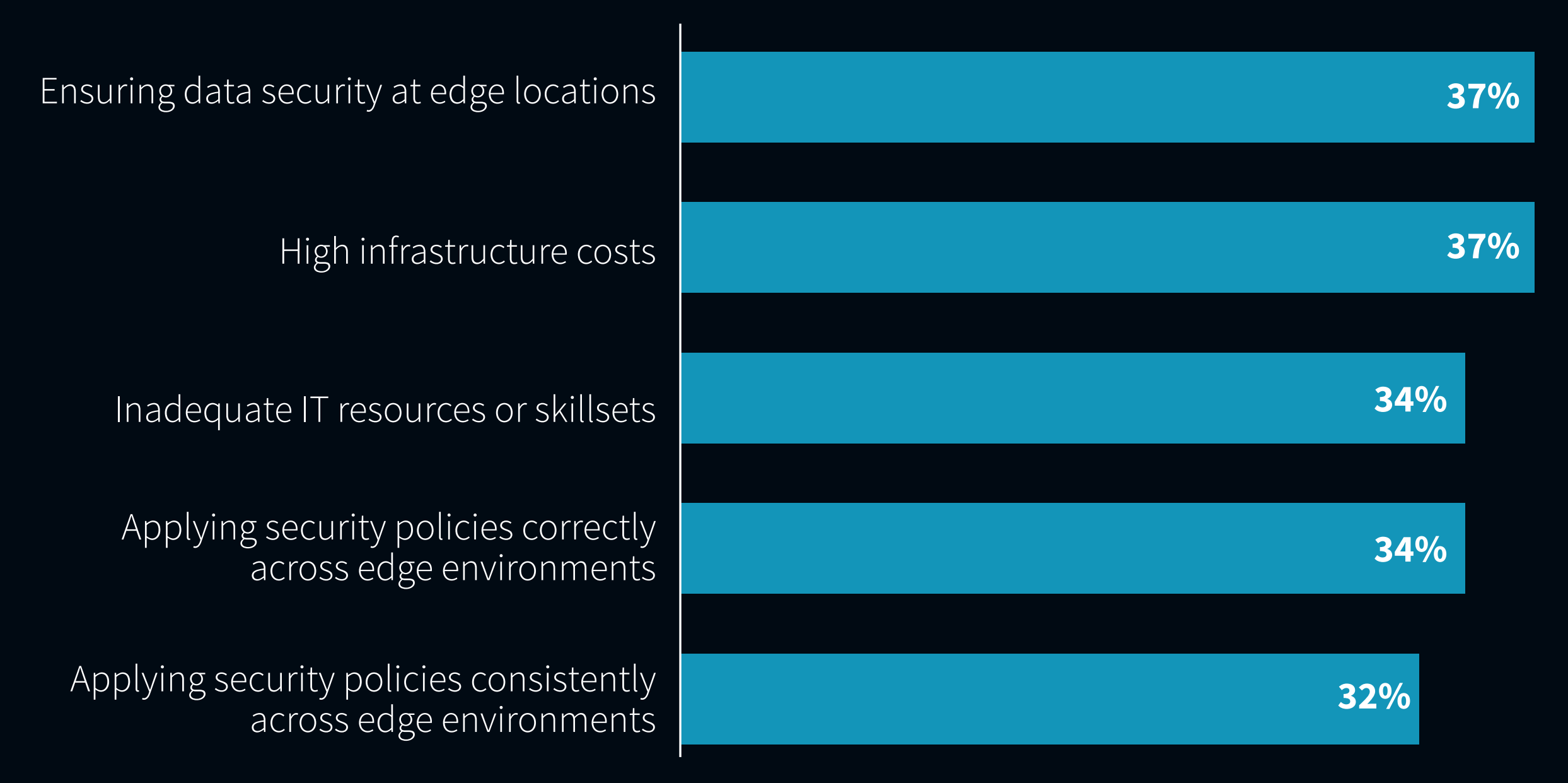
Edge computing spending plans over the next 12–18 months.



96% of organizations report deploying at least two applications per edge site.

Organizations look to overcome challenges to improve processes and enable real-time analysis at the edge.

Top 5 challenges associated with deploying applications at edge locations.



Top 5 business benefits of deploying applications at edge locations.

55% Increased operational efficiency

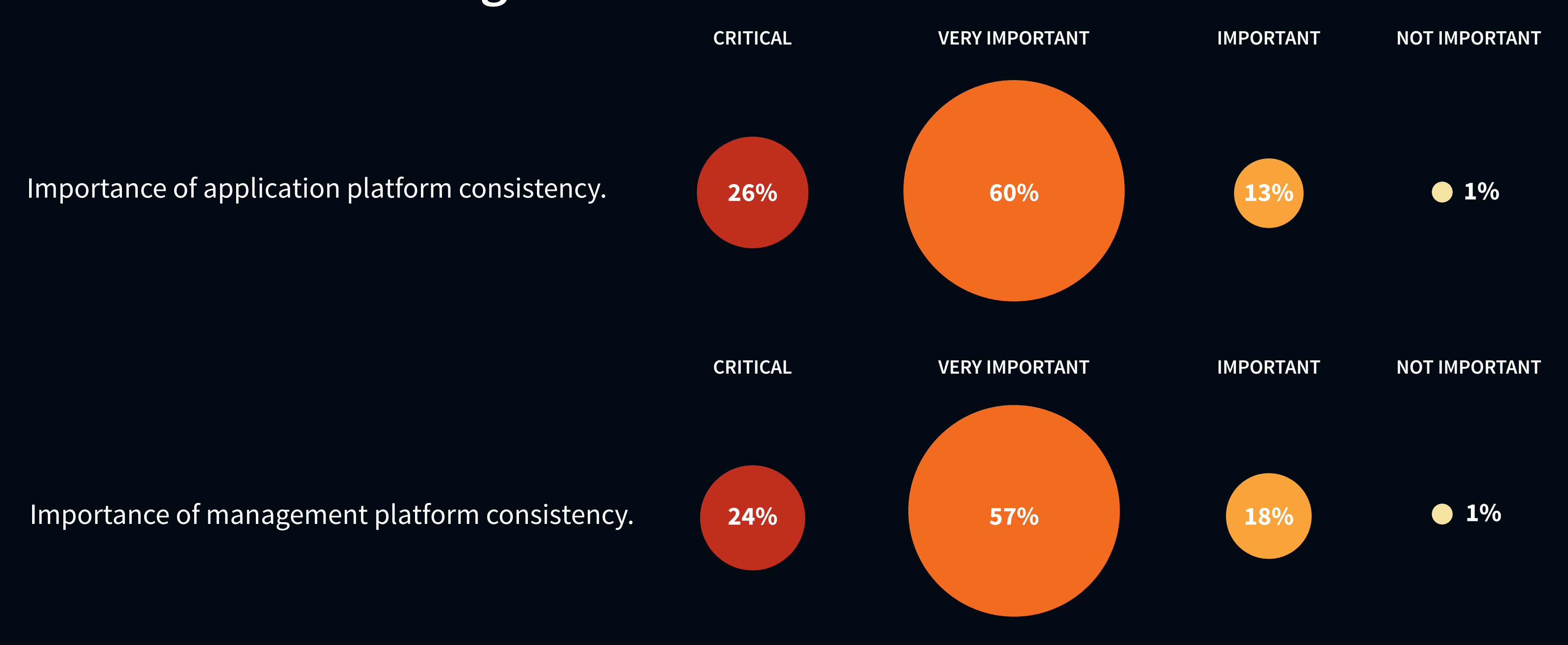
46% Increased profitability

46% Improved product quality

41% Increased visibility into our business or service

38% More actionable decision making

Consistent application and management stacks/platforms are critical at the edge.



Organizations process and retain data at the edge.

58% of organizations process **500TB or more of data weekly** at a typical edge location.

45% of organizations retain data at edge locations **for a month or longer.**

Drivers of data retention policies at edge locations.

56% Data processing or analytics requirements

53% Compliance or regulation

46% Corporate best practices

45% Industry best practices

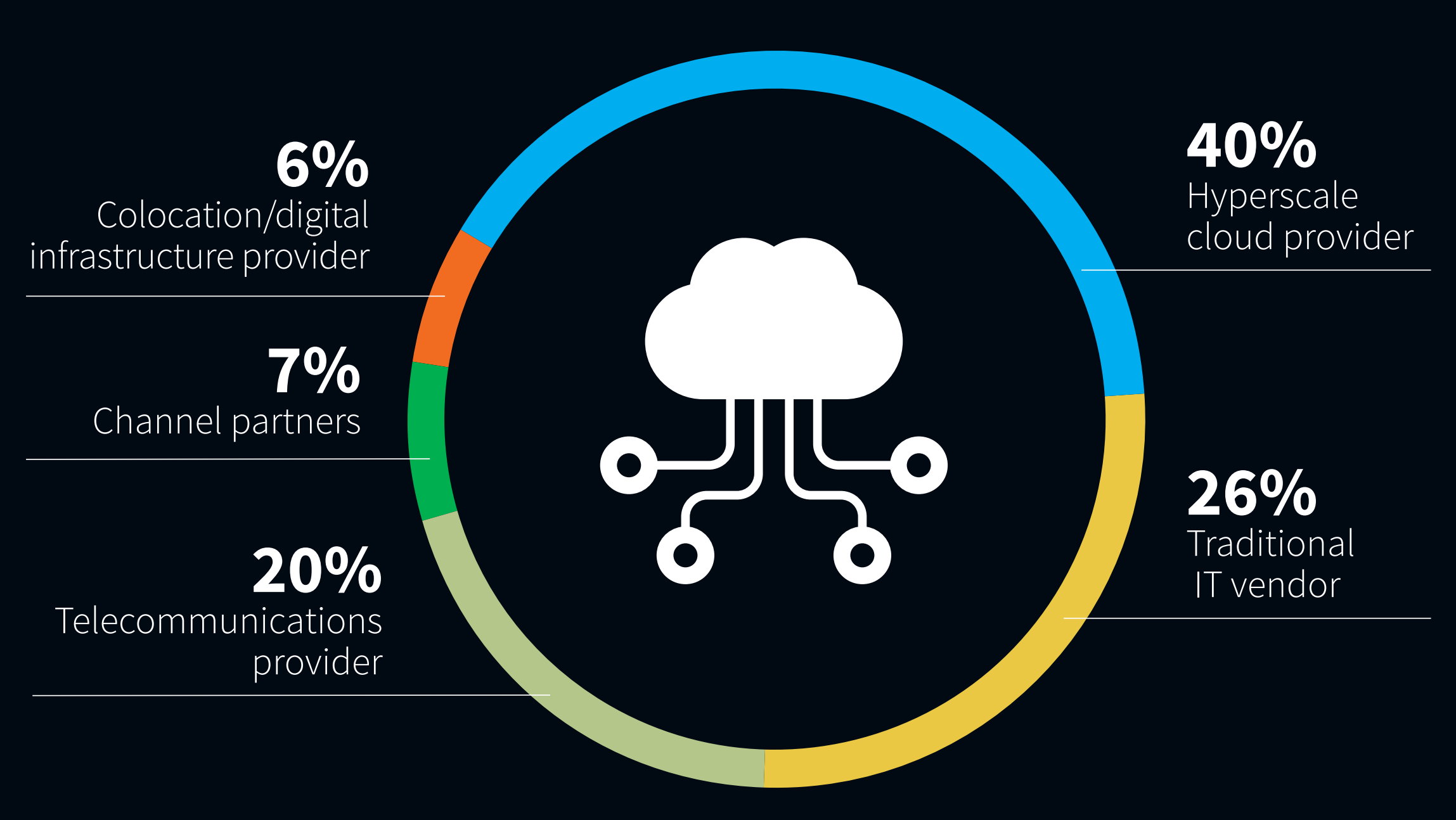
39% Application requirements

35% Required historical analysis

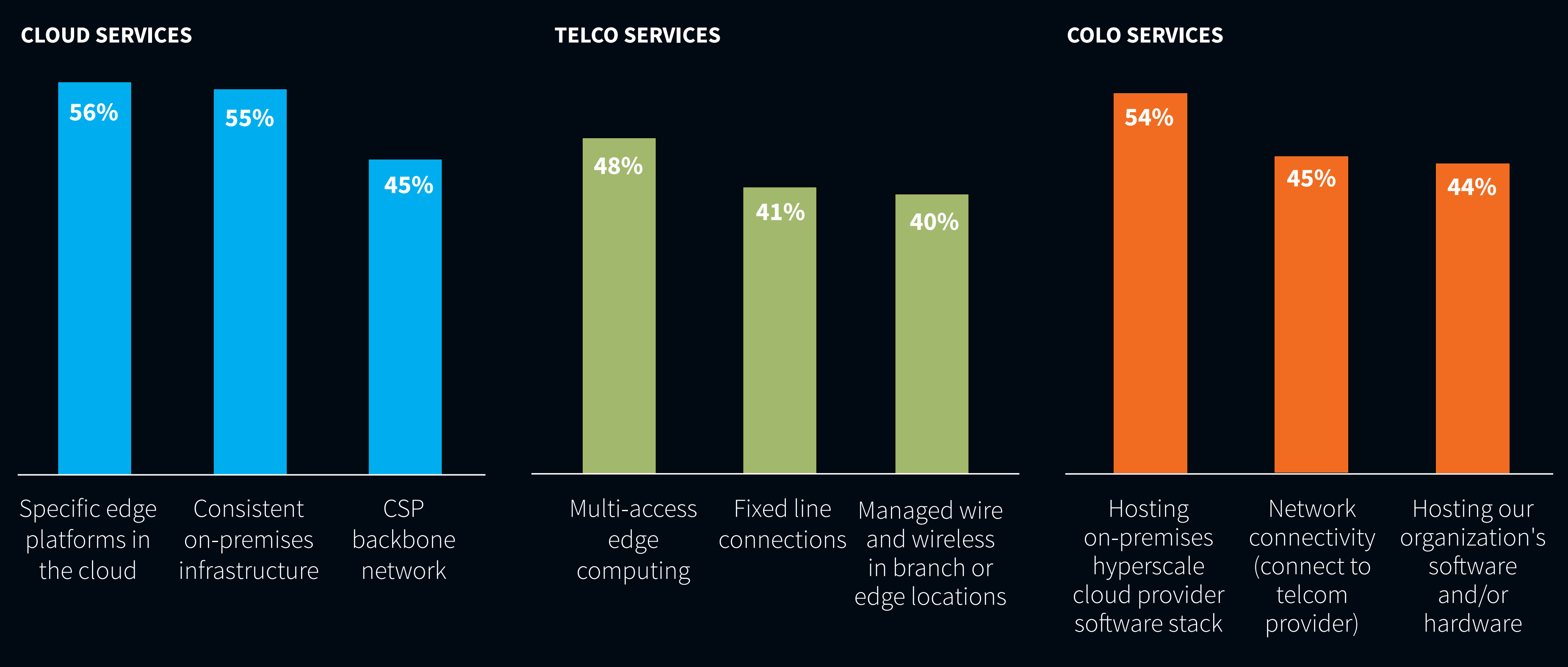
33% Cost avoidance

Colo, telco, and cloud service providers have an opportunity to support edge environments.

Single greatest influencing force on edge computing strategies.



Most common services leveraged at edge locations.



LEARN MORE

For more from this study, including data concerning how organizations connect to and secure the edge, read the ESG research report, *The State of Digital Ecosystems at the Edge*.

ESG Research Report, *The State of Digital Ecosystems at the Edge*, September 2022.
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