

Data centers in the AI era

Emerging trends, strategies, and challenges

Enterprise AI initiatives will **boost productivity** and creative problem solving by **50%**.

Forrester Predictions 2024



Hybrid IT

Leaders must navigate the complexities of hybrid IT with adaptive strategies that ensure seamless data flow and management across diverse platforms for any scale of operation. The network plays a crucial role in enabling these workloads.

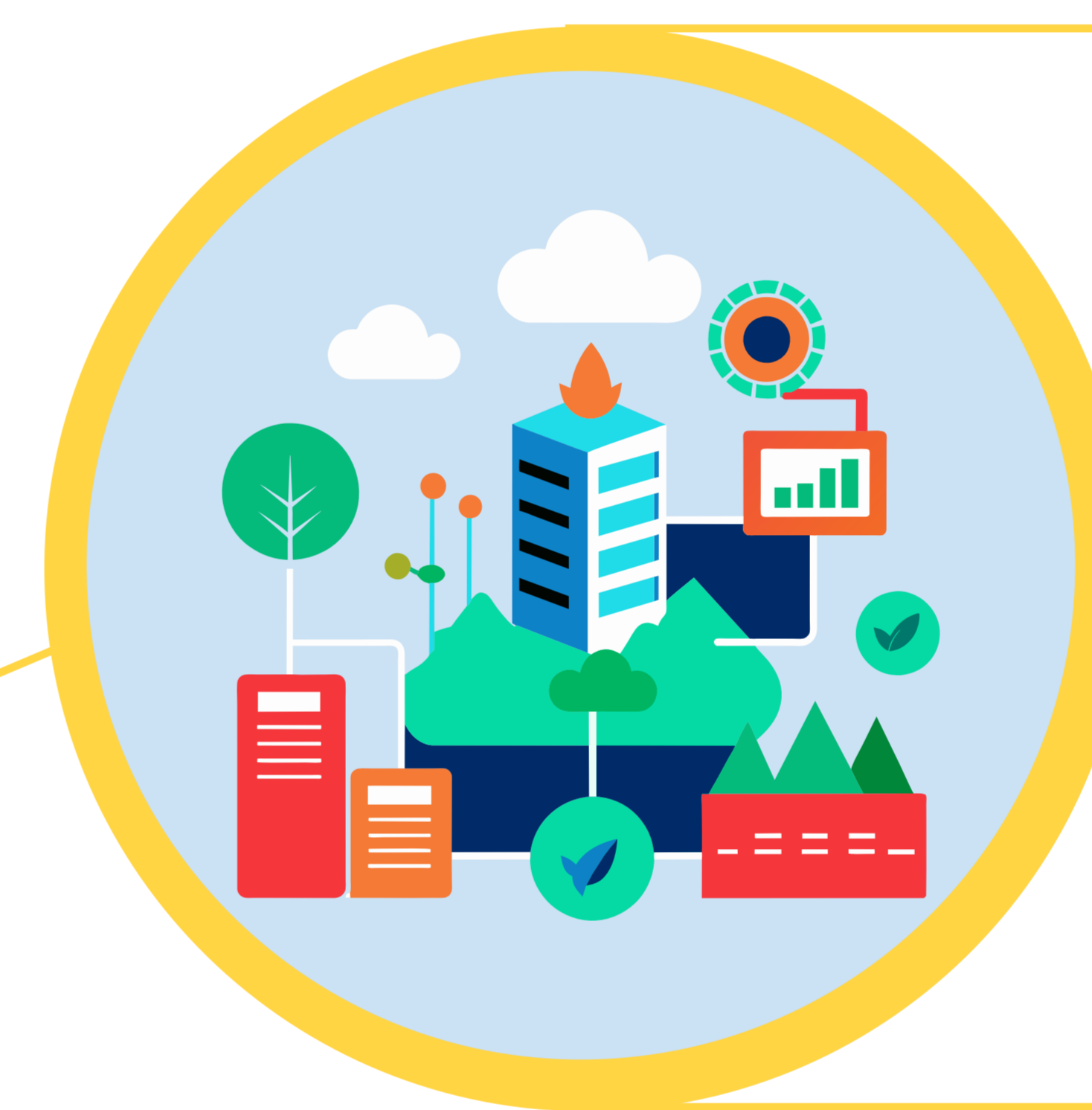
“Everyone is still trying to grapple with how to make hybrid IT work.”
—Jason Carolan, CINO, Flexential



High-density computing

The impact of AI on data centers is significant. As digital demands soar, data centers need to evolve to accommodate high-density computing, enabling more processing power in less space and setting new standards for efficiency.

“The IoT, AI, and cloud computing will drive exponential data growth over the next 10 years.”
Data centers and the impact of AI



Sustainability in the digital age

The future involves sustainable energy sources and innovative labor strategies. Modern data centers must embrace renewable energy and innovative cooling to minimize environmental impact while maximizing Power Usage Effectiveness (PUE).

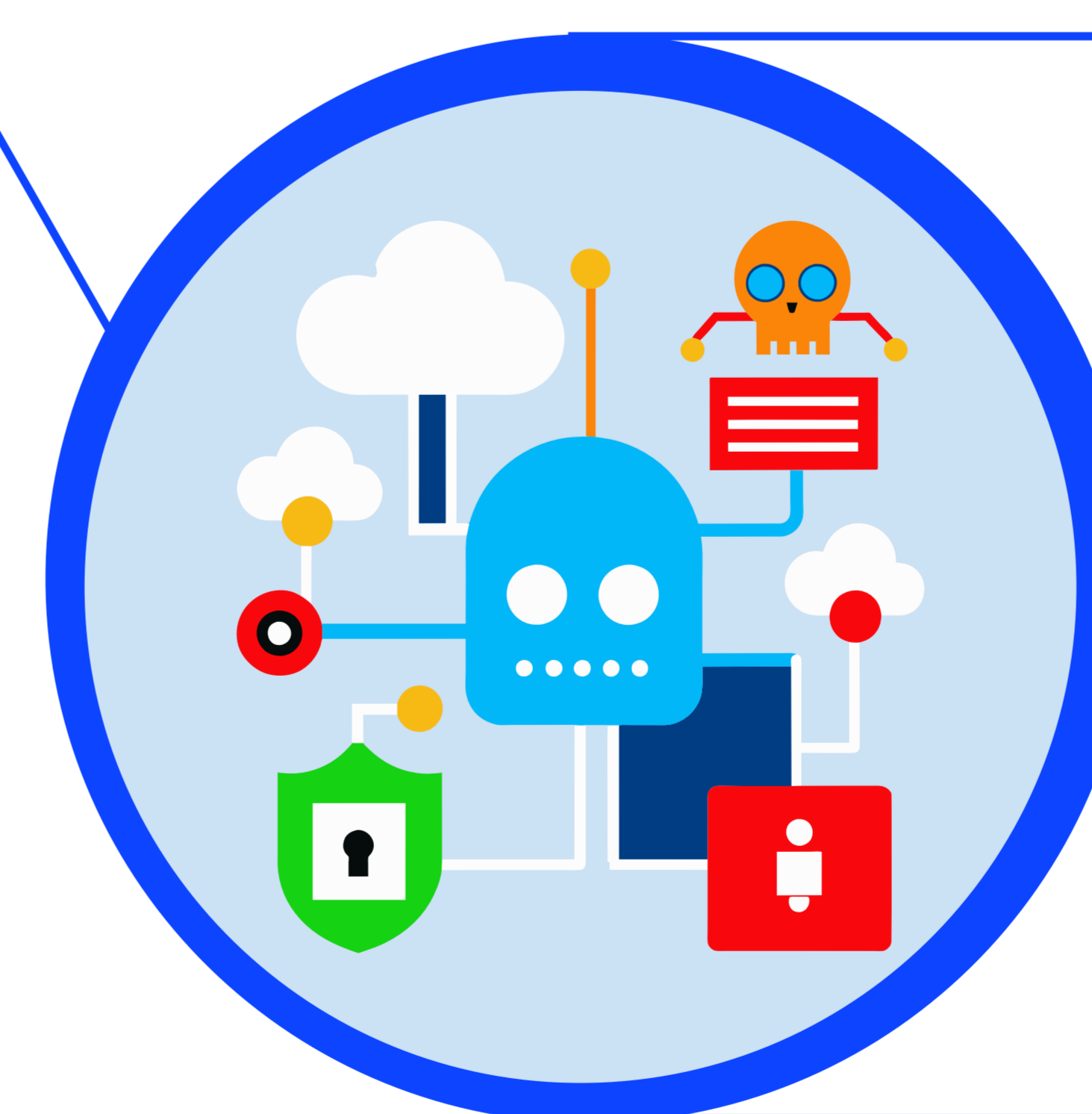
“Without proper planning, your AI solutions may conflict with your environmental sustainability plans.”
Forrester Report: Architecting your infrastructure for AI



Cloud connectivity

Reimagined cloud infrastructure is revolutionizing how we access and secure data. Enhanced integration and management tools offer businesses agility, productivity, and cost savings, allowing businesses to stay ahead of the competition.

“Gartner states that 70% of organizations by 2025 will implement structured infrastructure automation to deliver flexibility and efficiency.”
The ease of connectivity: A guide to enabling a user-centric approach



Security and ransomware

AI-driven security measures offer proactive protection, from automated threat detection to advanced cybersecurity protocols, however threats are still a significant concern. Disaster recovery and data protection should be prioritized in technology budgets.

“You have to make sure you're [...] creating a culture around security first and a security mindset all the way to the CEO level.”
—Jason Carolan, CINO, Flexential



Future of connectivity

Cutting-edge technology ensures fast, reliable connections, supporting the exponential growth in data transmission and the global demand for instant access, with a single portal, single pane of glass approach critical for companies to manage their IT assets.

“Flexential Fabric is the evolution of cloud [...] the ability to drive single port provisioning to public and private assets and flatten the overall IT stack.”
—Ryan Mallory, COO, Flexential

Pioneering tomorrow's solutions

Flexential stands at the forefront of these innovations, offering solutions that respond to today's challenges and anticipate the needs of tomorrow's digital landscape.

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