

Sustainable Energy Use

Across Your Data and Infrastructure Estate



Dave McCarthy
Research Vice President
Cloud and Edge Infrastructure Services, IDC



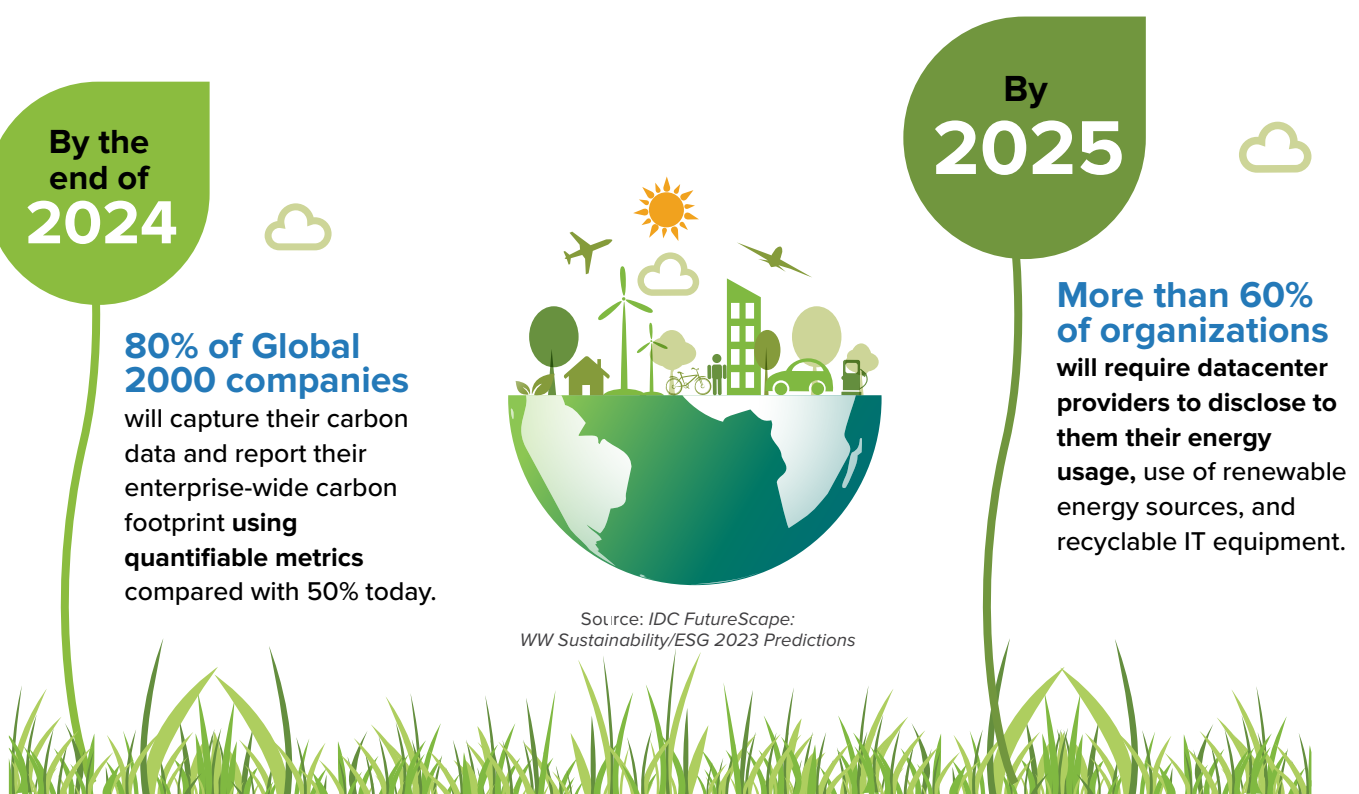
Vladimir Kroa
Associate Vice President
Sustainability, IDC

ABOUT THIS INFOGRAPHIC

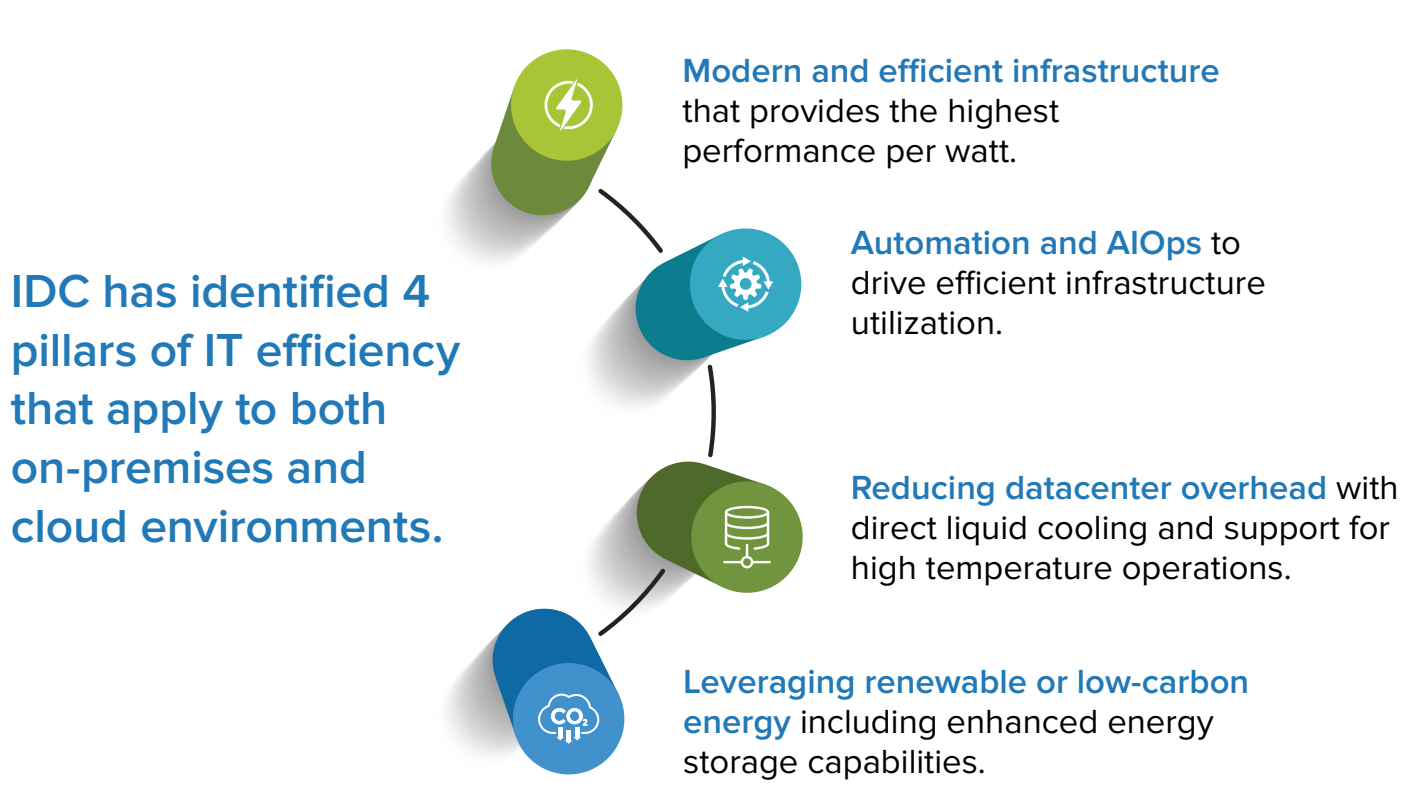
The rise of GreenOps will bring together the people, processes, and technologies needed to harness the power of technology to achieve energy-carbon efficiency goals.

Predictions for Sustainability

Organizations are prioritizing the need for transparency for internal operations as well as external suppliers.



Focus on Technology Innovation



Design for Sustainability

99% of organizations have improved sustainability performance through digital infrastructure investments.

Keys to Improving Sustainability include:

- Digital twins powered by AI** can provide efficiency recommendations for hardware and datacenter assets.
- Disaggregating compute and storage infrastructure** can optimize utilization by allowing independent resource scaling.
- Data deduplication and tiering to cloud** can reduce the amount of resources needed for storage.
- Optimization of applications** can reduce CPU usage resulting in lower energy consumption.

Source: IDC IDC FERS Wave 7



Manage for Sustainability

74% of organizations consider sustainability objectives to be of high importance, requiring a strategy for monitoring and automation.

Keys to Effective Sustainability Management:

- ONE**
Agree on and establish metrics, leverage automated technology to track, recommend optimizations and monitor continuous improvement.
- TWO**
Conduct carbon footprint analysis and create a roadmap to improve efficiency.
- THREE**
Reduce data waste through classification and retention policies.
- FOUR**
Monitor and collect credible data across premises and cloud to make informed decisions.

Source: IDC's Worldwide ESG Business Services Buyer Value Survey, 2022

Essential Guidance

IDC recommends the following steps to address energy-carbon sustainability goals:



Message from the Sponsor



Our goal is to partner with emerging greenops teams to help them understand and optimize their entire data & infrastructure estate to meet energy and carbon objectives.

[Click here to learn more](#)