The bridge to possible

Accelerate Your Journey to Net Zero with Cisco Solutions

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Current Sustainability Landscape

Regulatory Pressure

130

countries currently have net zero targets to meet[2]

Business Imperative

73%

of CxOs sustainability is a top priority[3]

Modernize IT

AI

Explosive growth will have impact on energy consumption[4]

Sustainability Strategy

The Plan for Possible

Our plan to connect a regenerative future

Clean energy transitions

Accelerate clean energy adoption and global Net Zero ambitions

Circular transformation

Evolve to a regenerative, circular model

Resilient ecosystems

Scale efforts to foster an inclusive future and a healthy planet

Enhanced Governance

Embed sustainability into the way we operate to manage risk prudently, enhance trust, uphold brand integrity & inspire

Engineering Focus Areas that Accelerate Sustainability

Across Cisco Portfolio

Energy Management

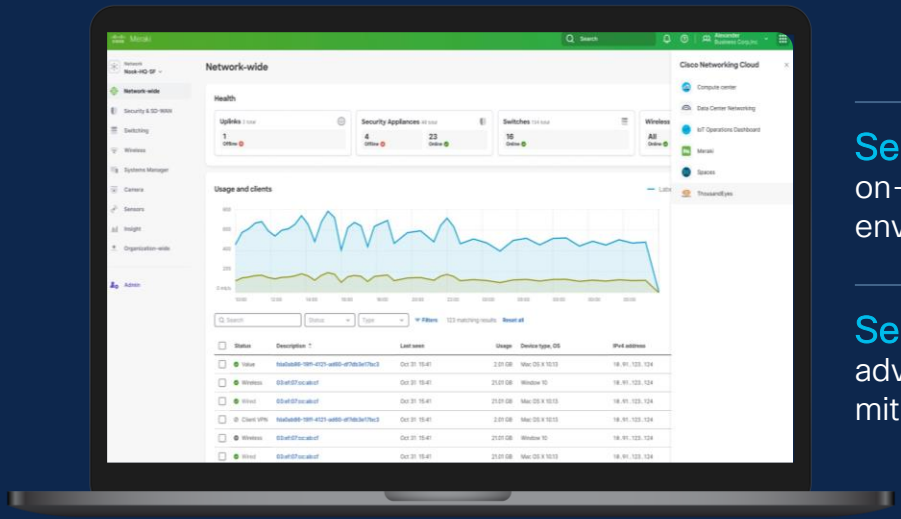
Software for Sustainability

Modernize Hardware

Business Transformation

Energy Management – Starts with Telemetry

Embedded Across Cisco's Energy Management Capability



Sustainable IT Priorities

See your global on-premises, cloud, and edge environments

Connect your infrastructure operations across compute, storage

Secure operations with built-in advisories and continuous risk mitigation

Automate workflows, APIs and SDKs for day 0 to day N operations

Energy Metrics : Energy Consumption | GHG Emissions | Carbon Intensity | Energy Mix | Energy Cost

Cisco Sustainable Solutions

Innovating new technologies to reduce emissions

Smart Buildings & Workspaces

Energy efficient networks powering, connecting and securing the building

Internet for the Future

Converged infrastructure, simplifying network design, planning & management

Sustainable Data Centers

Optimize for efficiency, visibility, performance and cost

Industry Solutions & Ecosystems

Integrated and Interoperable Sustainable Technologies

Smart Buildings & Workspaces

The network has become the convergence point for smart building processes managing IT & OT systems

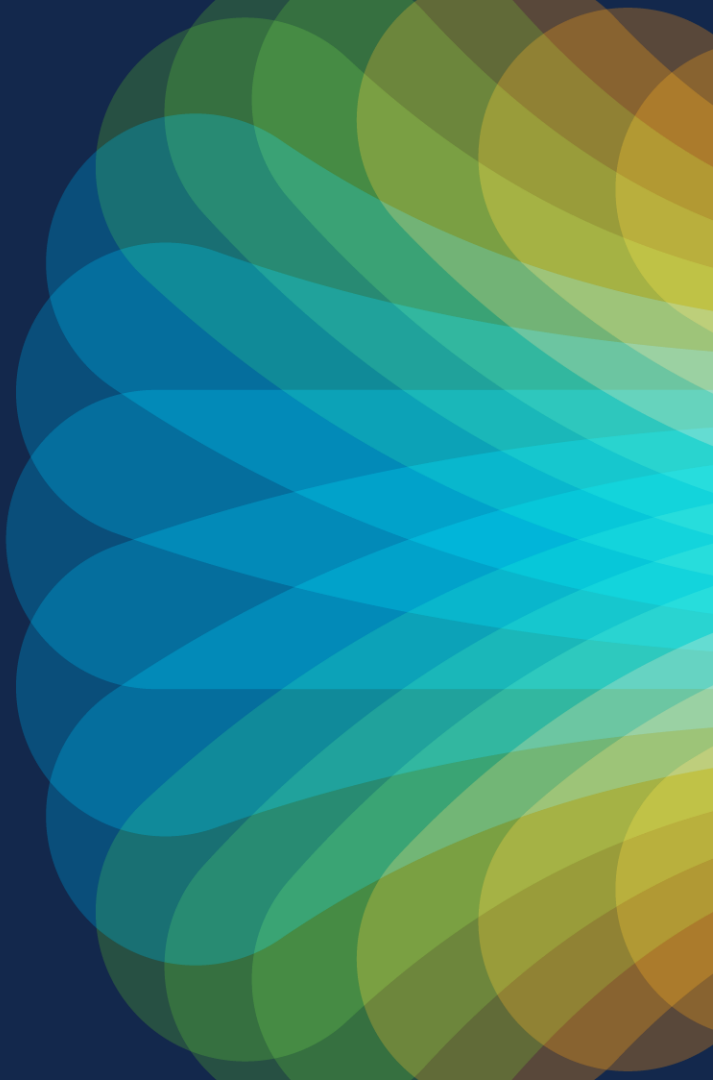
Internet For the Future

Routed optical networking (RON) is a sustainable solution that delivers improved operational efficiencies while reducing footprint and power for a lower carbon impact

Sustainable Data Centers

Optimize efficiency, visibility, performance and cost across your networking and compute infrastructure

Data Center: Foundation for a sustainable, AI-powered future



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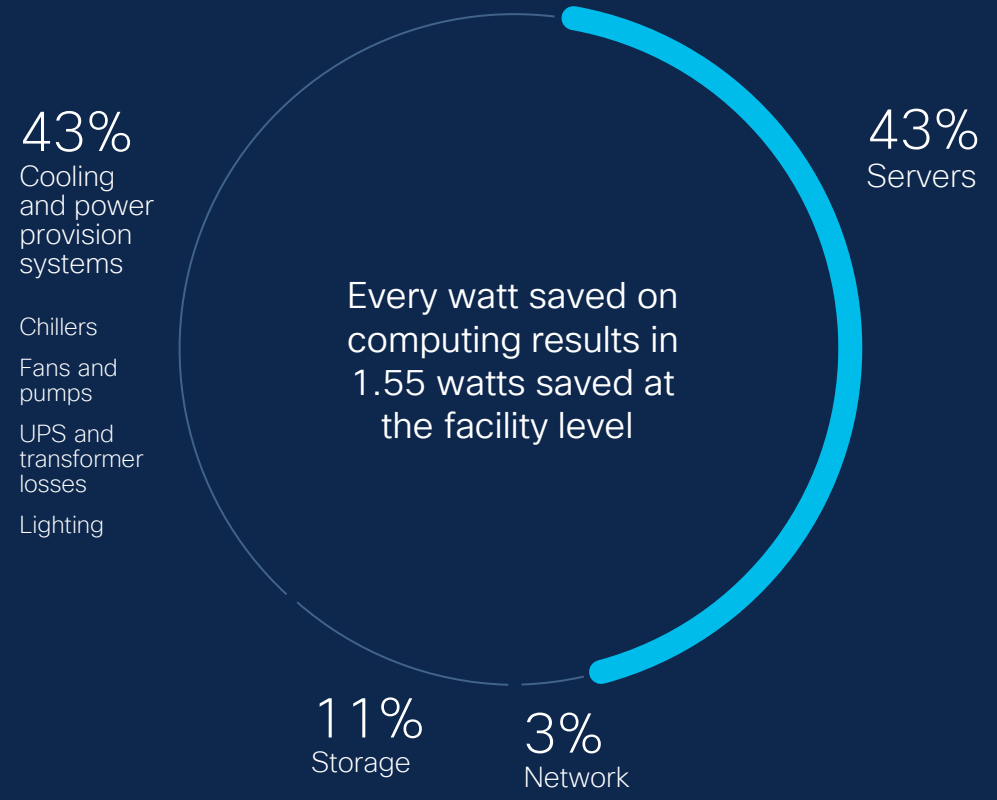
Efficient data centers are an important sustainability opportunity

Today's data center accounts for **1-2%** of global electricity demand and consumes **50X** the power of a typical commercial office building.

This is expected to further increase with the adoption of high-performance computing and modern applications.

Source: akcp.com



The need to balance innovation and sustainability has never been greater

We believe sustainability is the foundation for better innovation

Power and energy efficiencies

Energy-efficient technologies, optimized infrastructure, and renewable energy sources

Scalability and flexibility

Modular products, effective operations management systems, and integration of new technologies

Cost optimization

Longer product life cycles, less to buy and manage over time, and more energy savings over time

Regulatory compliance

No fines, penalties, reputational damage, or loss of customer base

The foundation for a sustainable, AI-powered future

Nexus 9800 Series
Powered by Nexus Dashboard

Silicon One-based

High performance

Flexible & sustainable

Silicon One

Cisco Silicon & Optics
96% less energy and 35% more bandwidth capacity

UCS X-Series
Powered by Intersight

X-Fabric & 100G unified fabric technology

Simplified cloud management

Award-winning performance & sustainability

SEAL AWARD WINNER

CRN TECH INNOVATORS WINNER 2023

Silverlinings Best Cloud Sustainability Initiative

Enterprise Strategy Group by TechTarget TECHNICAL VALIDATION

epeat

ENERGY STAR

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Case Study: Large Financial Services Organization

Energy Reduction Through Modernization

By replacing previous generation infrastructure with our latest platforms, a typical Cisco customer can expect:

70% reduction in total footprint

49% reduction in total power consumption from M7 to M4 UCS servers

61% reduction in total power consumption for Nexus 9K compared to Nexus 7K

More modernization benefits for customers

90%↓

reduction in hardware operating costs

72%↓

reduction in hardware maintenance costs

75%↓

reduction in recurring software support costs

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Why now?

AI is pushing infrastructure requirements

CHALLENGES

New operational silos	Unfamiliar and fragmented applications stacks	Ethics, privacy and compliance	Complex infrastructure patterns
Data volume, velocity and variety	Shortage of technical expertise	High entry cost and lock-in issues	Higher performance, energy and power consumption

An ecosystem built on delivering sustainable outcomes in the data center

Visit Cisco Data Center Validated Designs

Sustainability Insights Emission Forecast & Optimization	PANDUIT, VERTIV.
Infrastructure Modernization	HITACHI, NetApp, NUTANIX, PURESTORAGE, cisco Cisco Data Center Networking
Application Modernization	Epic, Microsoft SQL Server, SAP, ORACLE, vmware, NUTANIX
Security, Cyber-Resiliency	COHESITY, cisco SECURE, NetApp, NUTANIX
Hybrid Cloud, Hybrid Work	COHESITY, citrix, servicenow, RED HAT OPENSHIFT, vmware, NUTANIX
Artificial Intelligence	NVIDIA, PURESTORAGE, NetApp, intel, AMD, NUTANIX

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A Fireside Chat

Vladimir Ester

CTO and Co-Founder

clusterpower

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End-to-End Sustainability

Leverage Cisco's product lifecycle management programs

1. Cisco Refresh program 21 years strong
2. Takeback and reuse with 99.9% recycled
3. Green Pay providing 5% incentive
4. Partner environmental sustainability specialization
5. Global public funding for sustainability initiatives
6. CX Sustainability Services

What's Next

Accelerating Your Journey Today

- Energy Management
- Software for Sustainability
- Modernize Hardware
- Business Transformation

Preparing For Tomorrow

- Develop technical ecosystem partnerships
- Design and develop liquid cooling solutions
- Integrate Energy Networking
- Enable DC microgrids & power distribution systems
- Leverage infrastructure disaggregation

Recap and next steps

Step 1

Assess your situation by starting with metrics

Step 2

Make informed decisions for strategic investments

Step 3

Empower yourself to be future-ready

Call To Action

Visit the
Sustainability Zone

Learn more about
Cisco sustainability
solutions and programs

Attend any of the other
42 Sustainability Sessions


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Thank you
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Let's go