



Driving sustainability solutions with Cisco and Equinix

Helping enterprises modernize infrastructure for enhanced energy efficiency

Solution Brief



Accelerate your sustainability goals with Equinix and Cisco's innovative, energy-efficient solutions. These cutting-edge, eco-friendly technologies drive digital transformation while reducing environmental impact.

Challenge

In today's digital-first world, organizations are increasingly pressured to advance their technology while upholding ambitious sustainability standards. The urgency to reduce carbon footprints and enhance energy efficiency is more critical than ever, posing a dual challenge of growth and environmental responsibility.

Solution

Addressing this challenge, Equinix and Cisco unite to forge a path toward sustainable digital transformation. Our collaborative solutions leverage Equinix's investments in renewable energy coverage for its data centers and Cisco's energy-efficient networking technologies. This strategic integration facilitates significant energy savings, bolsters environmental reputation and sets a new standard for eco-conscious digital infrastructure, firmly on track to reach 100% renewable energy by 2030.

Benefits

Cost efficiency

Reduce operational expenses through energy-efficient technologies and optimized infrastructure design.

Operational resilience

Leverage cutting-edge technologies to ensure high availability and disaster recovery capabilities.

Regulatory compliance

Stay ahead of regulatory requirements with advanced compliance tracking and green reporting features.

Innovation and agility

Embrace the latest in digital transformation technology to remain competitive and adaptable in a fast-evolving market.

Environmental impact

Seize the opportunity to achieve substantial reductions in scope 1, 2 and 3 emissions, enhancing sustainability credentials.

“The shift to standardizing report processes and tracking focused sustainability metrics over time has armed many organizations with powerful insight. IDC believes that forward-looking companies are moving beyond sustainability as a compliance exercise and developing strategies that use sustainability as a lever for driving innovation and creating business value.”

IDC Research



Solution components

Platform Equinix®

Utilize Equinix’s global colocation and digital infrastructure services for optimized energy efficiency and performance.

Cisco energy-efficient hardware

Deploy Cisco’s advanced energy-efficient hardware solutions designed to minimize power consumption and reduce carbon footprint.

Equinix advanced cooling technologies

Benefit from Equinix’s innovative cooling technologies that drastically reduce energy consumption in data centers.

Use cases

High-performance computing (HPC)

Employ Equinix’s data centers equipped with Cisco’s computing solutions for energy-efficient high-performance computing applications such as AI and big data analytics. These setups ensure optimal performance while maintaining reduced energy usage, contributing to significant cost savings and sustainability improvements.

Advanced cooling methods

Rear Door Heat Exchanger (RDHX)	Direct to Chip (DTC)	Single-phase Immersion:
RDHX utilizes chilled water to absorb and remove heat from the air exiting the server racks, providing efficient cooling and reducing the need for traditional air conditioning systems.	DTC involves applying a liquid coolant directly to the heat-generating components (such as CPUs and GPUs), offering precise and efficient heat removal.	Components are submerged in a non-conductive liquid coolant, which absorbs and dissipates heat through a continuous circulation process, enhancing cooling efficiency.

Sustainable remote work infrastructure

Create a sustainable, scalable remote work environment using Cisco’s collaboration tools within Equinix’s secure renewable energy-powered data centers. This approach not only minimizes carbon emissions but also enhances employee productivity and engagement by supporting a flexible work model.



Features

Advanced cooling technologies

Utilize Equinix’s innovative cooling technologies to drastically reduce energy consumption.

100% renewable energy goals

Support global sustainability by using Equinix data centers, striving for 100% renewable energy.

Circular design

Incorporate Cisco products designed with circular principles, focusing on sustainability.

High-density data centers

Access Equinix’s high-density data centers designed for maximum energy efficiency.

Green power reporting

Monitor and manage the carbon footprint of your digital infrastructure.

About Cisco

Customers depend on Cisco solutions to reimagine their applications, power hybrid work, secure their enterprise, transform their infrastructure, and meet their sustainability goals..

[Cisco.com](https://www.cisco.com)

About Equinix

Equinix is the world’s digital infrastructure company. Digital leaders harness our trusted platform to bring together and interconnect the foundational infrastructure that powers their success.

[Equinix.com](https://www.equinix.com)

Take the next step in sustainability

Discover how Equinix and Cisco can accelerate your journey to sustainability with cutting-edge, energy-efficient solutions. Contact us today to explore how our joint solutions can meet your specific needs.

Contact Us

Drive your future forward on Platform Equinix®

Platform Equinix is a global digital infrastructure platform. It is the only platform that allows digital leaders to reach the most strategic global markets with the largest ecosystem of digital partners, with infrastructure that assembles and deploys virtually in minutes.

