



UMB

UMB + VMware

**enabling you to achieve
your sustainability goals**

VMware Cloud



VMware Zero Carbon Committed™
PARTNERING FOR A SUSTAINABLE FUTURE.

Sustainability Pressures

Pressures from inside and out of the organization are pushing your business to ramp up their sustainability goals. Your approach to IT infrastructure is a major factor in your strategy. As your strategic cloud partner and a VMware Zero Carbon Committed™ provider, we can help you achieve your success.

Business Pressures

Challenges

Added Benefits

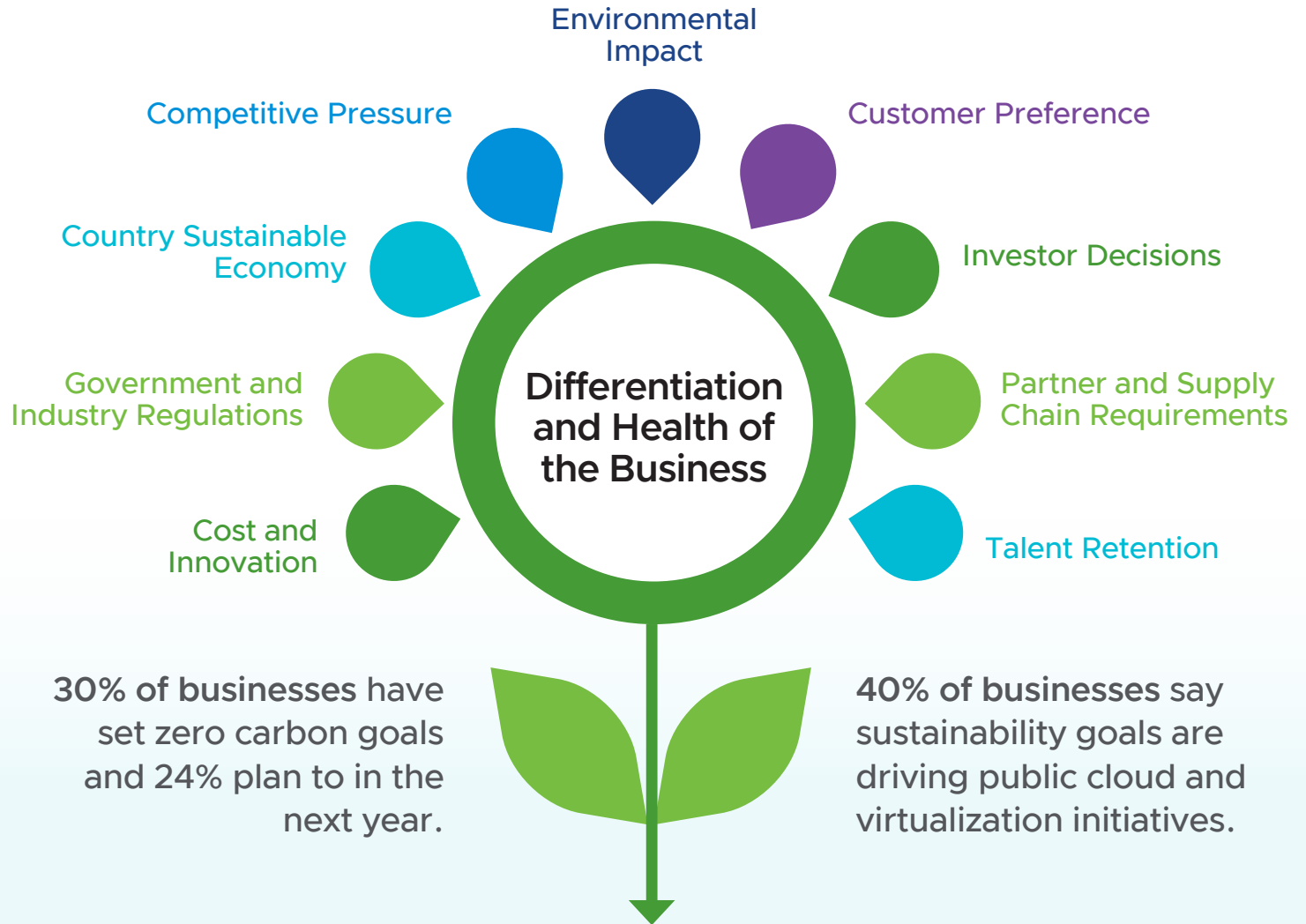
The Sustainability Factor

Our Commitment

Sustainable Computing

Intrinsic Sustainability with Virtualization

Environmental Outcomes



Challenges with Doing It All Yourself

While some may assume businesses that prioritize sustainability are willing to accept more cost, the reverse is true. Success can be near impossible to achieve on your own. Working with a committed zero-carbon partner like is essential—we take the headache out of leveraging cloud to meet sustainability goals.

Business Pressures

Challenges

Added Benefits

The Sustainability Factor

Our Commitment

Sustainable Computing

Intrinsic Sustainability with Virtualization

Environmental Outcomes

Achieve sustainability faster with partner + VMware

Complex local and regional rules around emissions

Not having the needed visibility across workloads to manage more efficiently

Understanding renewable energy options and which are best for your business

Too many investments required to optimize server cooling and other data center functions

Tackling utilization and efficiencies on a scale that will contribute significantly to goals

Sustainability is a moving target as technologies evolve and new best practices emerge

Report development and ongoing tracking, management, and accountability

Cloud is important for leveraging economies of scale, but too many barriers to migration

More Benefits Than Meets the Eye

When it comes to bottom-line benefits, sustainability commitments are also paying off and helping organizations overcome cloud modernization challenges.

When compared to other businesses, organizations with a zero-carbon commitment are:

50% more likely to report high management satisfaction

24% more likely to see increased security

60% more likely to have increased ability to optimize infrastructure costs

2X more likely to see improved application agility

What to Look for in a Sustainability Cloud Partner

For most businesses, public cloud is a key factor in reaching sustainability goals around zero carbon commitments. Here are four factors to consider when evaluating your cloud partner.

Business Pressures

Challenges

Added Benefits

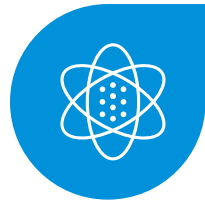
The Sustainability Factor

Our Commitment

Sustainable Computing

Intrinsic Sustainability with Virtualization

Environmental Outcomes



Check that cloud providers are active members of sustainability initiatives such as the [Science Based Target Initiative](#) or [VMware Zero Carbon Committed](#).



Require that your cloud provider has active monitoring and reporting of carbon activities.



Expect ROI and cost efficiency from your cloud provider along with sustainability.



Favor cloud partners with supporting features such as sustainable software engineering, highly virtualized infrastructure, and tools to accelerate cloud adoption.



Business Pressures

Challenges

Added Benefits

The Sustainability Factor

Our Commitment

Sustainable Computing

Intrinsic Sustainability with Virtualization

Environmental Outcomes

Our Commitment

We are a VMware Zero Carbon Committed provider. That means we are committed to achieve **zero carbon through 100% renewable energy-powered data centers by 2030.**

By using our services and our cloud, we can help you achieve your supply chain sustainability goals, jump-start your position with competition, and meet customer demands and regulations.



VMware Zero Carbon Committed™

PARTNERING FOR A SUSTAINABLE FUTURE.

Sustainable Computing: Workload Energy & Carbon Efficiency

Sustainable computing is about running your data center operations as efficiently as possible and powering them with renewable energy.

Many companies are extending their sustainability goals to their data center and supply chain partners with requirements around energy efficiency, renewable energy and decarbonization. Taking on these challenges yourself is a large investment and requires a solid understanding of the renewable energy market, energy efficient hardware, sustainable data center cooling and power—and that all adds up in complexity. Reach the outcomes you need today faster with our sustainable cloud data center services.

Business Pressures

Challenges

Added Benefits

The Sustainability Factor

Our Commitment

Sustainable Computing

Intrinsic Sustainability with Virtualization

Environmental Outcomes

SUSTAINABLE CLOUDS

OUTCOMES



Energy Efficient Data Centers



Sustainable Outcomes

- Less energy and carbon
- Less electronic waste
- Less material and water use



Renewable Energy-Powered Data Centers



Business Outcomes

- Higher infrastructure productivity
- Lower cost per workload
- Achieve sustainability goals

We can help you mature your virtualization practice, both on-premises and in the cloud.

Sustainability Through Virtualization

Business Pressures

Challenges

Added Benefits

The Sustainability Factor

Our Commitment

Sustainable Computing

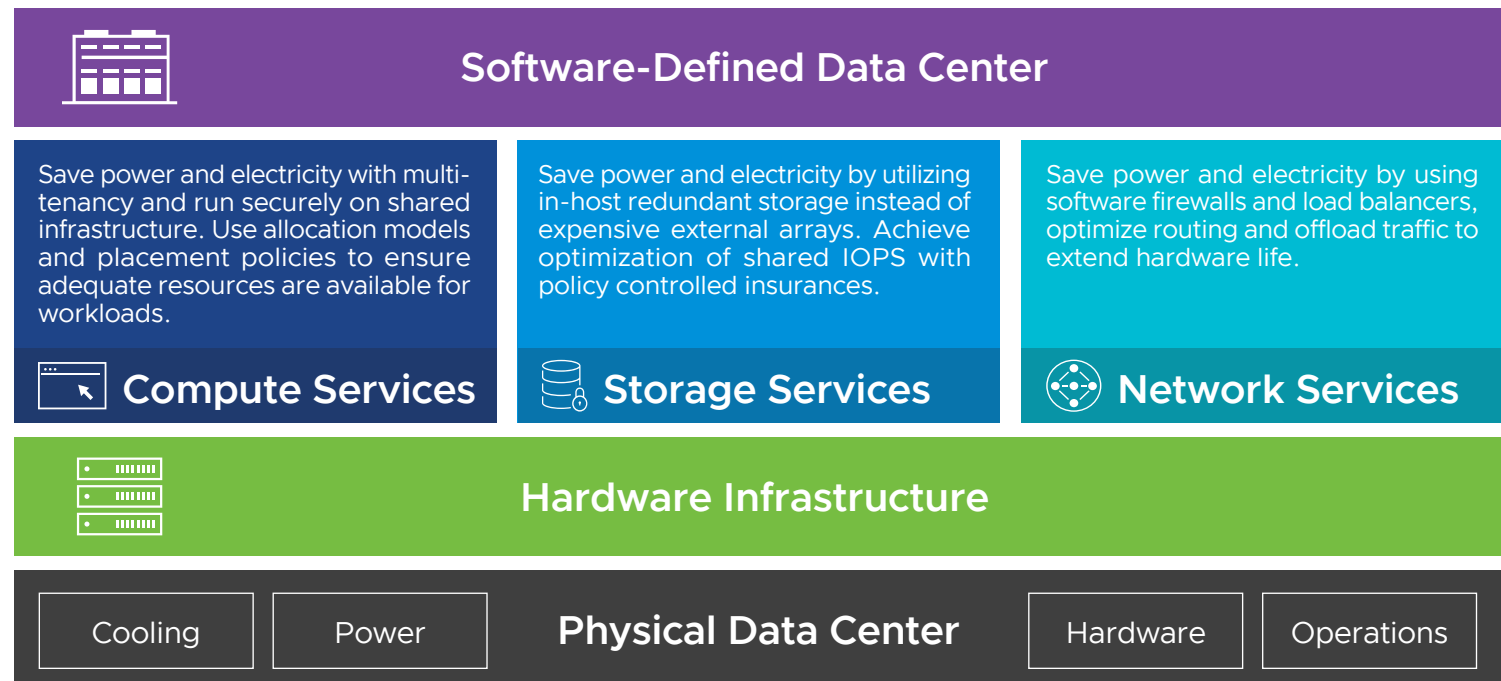
Intrinsic Sustainability with Virtualization

Environmental Outcomes

Virtualization technology is like the LED lightbulb of computing. The more of it you use, the more sustainable your data center operations become, requiring less infrastructure for your workloads and therefore, less energy consumption and carbon emissions.



Being a VMware Cloud Verified provider means we utilize the full VMware Cloud software-defined data center infrastructure to deliver unparalleled cloud services to our customers. By migrating workloads to our VMware Cloud Verified Infrastructure, you can leverage our optimized VMware cloud for scale and drive sustainable efficiencies more than individually managed data centers or non VMware Cloud solutions, accelerating your sustainability goals.



Environmental Benefits of VMware Virtualization

[IDC estimated](#) that from 2003-2020, VMware virtualization technology has enabled customers to collectively avoid the deployment of 142 million servers, consumption of 2.4 billion megawatts of energy, and emission of 1.2 billion metric tons of greenhouse gases.

VMware virtualization technology, including those used in our cloud, can help companies like yours achieve **40% system-wide energy and carbon reductions**, leading to:



Water savings



Air and water pollution reduction



Reduced electronic waste

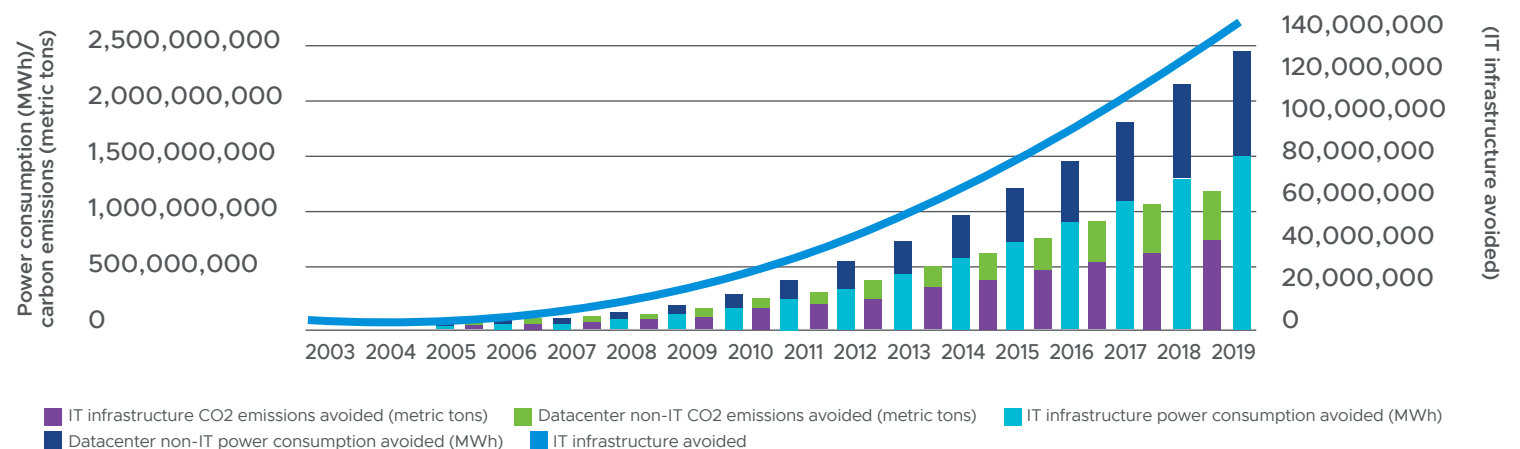


Land use benefits



Health benefits

Worldwide Cumulative Infrastructure, Power Consumption, and Carbon Savings Because of the Use of VMware Products, 2003-2019



Note: Carbon emissions avoided includes IT equipment, as well as non-IT related datacenter power savings.
Source: IDC, 2020

Business Pressures

Challenges

Added Benefits

The Sustainability Factor

Our Commitment

Sustainable Computing

Intrinsic Sustainability with Virtualization

Environmental Outcomes

Achieving Sustainability Goals Together

