

# Microsoft datacenters in your community

As more people and businesses rely upon technology to stay connected, informed, and productive, digital needs around the globe are growing. And that means the need for datacenters are growing too.

Microsoft strives to support the communities where our employees live, work, and operate our datacenters. With that, it's important we share information to ensure people around the world understand why datacenters are needed, Microsoft's commitments to responsible operations, and the benefits of hosting a datacenter in your communities.

[Why datacenters>](#)

[Microsoft commitments>](#)

[Community benefits>](#)

## The cloud powers our digital world

Cloud computing is the delivery of computing services over the Internet. Common daily activities are made possible through the cloud:



Email



Online banking



File storage



Collaboration



Online shopping



Mobile apps

Cloud computing can provide consumers and businesses with the benefits of data sovereignty and privacy, lower costs, easier access, higher reliability, and lower carbon footprint.

## ...and datacenters host the cloud

Microsoft global datacenters house an interconnected network of millions of computers that work together to store and manage data, run applications, and deliver content and services

Microsoft operates

**200+**  
datacenters

Across

**34+**  
countries

Networked together with

**165,000+**  
miles of subsea, terrestrial and metro optical fiber.



## The Microsoft cloud is for everyone

Microsoft's cloud serves over 1 billion customers and 20 million+ companies worldwide

95% of Fortune 500 businesses run on the Microsoft Cloud along with startups, governments, hospitals, banks, and other critical infrastructure organizations

Government organizations



Banking and financial services



Healthcare



Travel and transportation



## Microsoft runs on trust

In our datacenters and all our global operations, we strive to earn the trust of our customers, employees, partners and communities by committing to privacy, security, the responsible use of AI, and transparency.



### Compliance and ethics

Our compliance and ethics policies and programs include our Standards of Business Conduct, which applies to employees, executive officers, the Board of Directors, and Microsoft subsidiaries and controlled affiliates.



### Security

We invest over \$1 billion in security R&D and utilize more than 3,500 cyber security experts.

Datacenters have extensive layers of protection: access approval at the facility's perimeter, at the building's perimeter, inside the building, and on the datacenter floor.

Every day, Microsoft analyzes over 6.5 trillion signals in order to identify emerging threats and protect customers.



### Privacy

- Control: We will put you in control of your privacy with easy-to-use tools and clear choices.
- Transparency: We will be transparent about data collection and use so you can make informed decisions.
- Security: We will protect the data you entrust to us through strong security and encryption.
- Strong legal protections: We will respect your local privacy laws and fight for legal protection of your privacy as a fundamental human right.
- No content-based targeting: We will not use your email, chat, files or other personal content to target ads to you.
- Benefits to you: When we do collect data, we will use it to benefit you and to make your experiences better.



### Transparency

Detailed information on how we run our business can be found in our Reports Hub, which provides a consolidated view of key reports and resources on our programs and progress.

# When Microsoft joins a community, we bring our commitments for a better world



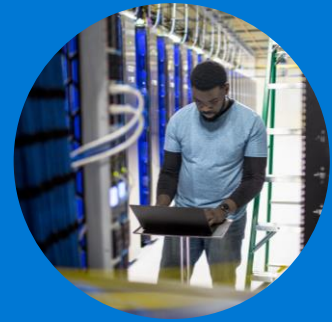
Support inclusive economic opportunity



Protect fundamental rights



Commit to a sustainable future



Earn trust

## Microsoft datacenters are key to our sustainability goals

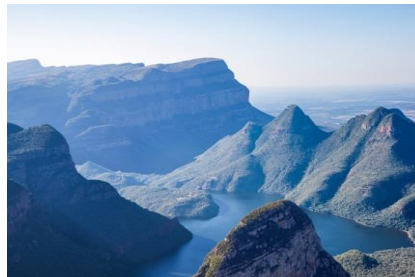
Carbon negative by 2030



By 2025, Microsoft will **shift to renewable energy, via power purchase agreements for green energy contracted for 100 percent of carbon-emitting electricity** consumed by all our datacenters, buildings, and campuses

Microsoft is piloting long-duration batteries, less carbon-intensive fuels such as natural gas, and synthetic diesel as new green methods for backup power

Water positive by 2030



Piloting adiabatic cooling, which uses outside air instead of water for cooling when temperatures are below 85 degrees Fahrenheit

Partnering with [First Solar](#) to provide solar energy rather than traditional electricity generation, which is expected to **save more than 350 million liters of water annually**

Zero waste by 2030



All new-build Microsoft data centers are LEED Gold and zero-waste certified

Microsoft Circular Centers to increase the **reuse of our datacenter servers and components by up to 90 percent by 2025**

## Taxes from Microsoft datacenter operations represent important revenue for national, regional, and local governments

As the commercial property tax base grows, it **results in greater revenue for municipal services that benefit of local citizens**

Microsoft datacenters represent a capital-intensive investment and **long-term commitment to the community**

Examples of country, provincial, local taxes that contribute to cities, municipal services, schools and colleges



Property taxes

Collected annually once land is purchased



Indirect taxes (VAT, GST, Sales tax)

From construction and operation expenses



Income taxes

From construction & operations workers

## Microsoft datacenters create family-wage operations jobs and various types of construction jobs

Microsoft datacenters represent a capital-intensive investment and long-term commitment to the community bringing **hundreds of full-time and contractor jobs in total** across two employment areas:

### Datacenter construction



- Electricians
- Plumbers and pipefitters
- Carpenters
- Structural iron and steel workers
- Concrete
- Earth movers

### Datacenter operations



- Campus management
- People management
- Learning and development
- IT operations
- Mechanical engineers
- Electrical engineers
- Security contractors
- Building maintenance

## Microsoft aims to build datacenters that are best in class in performance, reliability, safety, aesthetics, and sustainability



Datacenters use fossil fuel generators for backup power during the rare emergency which happens on average once a year and accounts for **less than 1 percent of our overall emissions**.



Microsoft is **currently piloting running backup generators with renewable, cleaner-burning fuels**, and also piloting the replacement of datacenter generators with long-duration batteries.



Compared to many other industrial facilities, **datacenters do not create significant noise pollution or have a significant impact on traffic flow or congestion**.



Often, the façade of the datacenters are designed to **match elements of other buildings and geography** for a seamless feel.



**Landscaping can screen mechanical equipment and outdoor storage areas** to enhance the overall aesthetic quality of the facility