Microsoft

Microsoft datacenters in Brazil

Published April 2023. This document shares information we have as of the publication date, and it includes estimated information and projections. The information is provided as is and may change without notice.

Datacenters provide the physical infrastructure for the technology we depend on at work and in our personal lives

A datacenter building houses thousands of computer servers and data storage devices connected to the internet

These buildings are similar in size and appearance to a distribution warehouse.

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

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

Microsoft operates more than 300 datacenters in over 34 countries.

Datacenters are part of everyday life

Whenever you open an app on your phone, join a virtual classroom or meeting, snap and save photos, or play a game with your friends online, you are using a datacenter.

- Email
- Online shopping
- Mobile apps
- Online banking
- File storage
- Streaming videos

Take a virtual tour of a datacenter

Microsoft datacenters create local operations and construction jobs

Microsoft datacenters in Brazil currently employ **53 people**.

We estimate it will require **350 construction roles and 2.2 million work hours** to build the new datacenters in Brazil. We intend to fill **25 to 30 percent** of positions with local contractors.

By the end of 2026, we project **208 full-time employees and contractors** will work across all operational facilities.

Datacenter operations

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

Construction jobs

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

Find Microsoft jobs in your community >

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

Microsoft datacenters represent a capital-intensive investment and long-term commitment to the community. This investment grows the commercial property tax base, increasing revenue for municipal services that benefit local citizens.

Examples of country, provincial, and local taxes that support cities, municipal services, schools, and colleges include:

Property taxes

Collected annually once land is purchased.

Indirect taxes

From construction and operation expenses. Examples include VAT, GST, and sales tax.

Income taxes

From construction and operations workers.

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Microsoft has supported investments in economic and digital inclusion training since 2021

Supporting the new labor market in Brazil with Escola Do Trabalhador 4.0

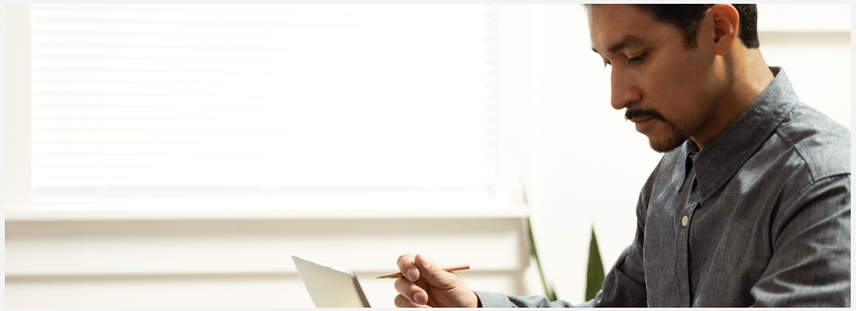
Escola do Trabalhador 4.0 is an initiative of the Ministry of Labor and Social Security carried out in partnership with Microsoft to promote qualification and professional job placements.

This resource is part of the digital path program and offers free courses in technology and productivity to help Brazilian workers prepare for the job market.

Learn more about Escola do Trabalhador 4.0 >

Investing in people of all ages through local skill-building programs

Microsoft is partnering with Bradesco, a pioneer in online education, to offer four learning pathways with 20 total courses. Excel training is the most sought-after course on the platform. Since 2021, over 300,000 people have been trained through this program.



Learn more about Bradesco >

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Microsoft global commitments

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CARBON

Microsoft pledged to become carbon negative by 2030 and to remove historical carbon since its 1975 founding by 2050. Microsoft will reduce Scope 1 and 2 emissions to near zero through energy efficiency work and by reaching **100 percent renewable energy coverage by 2025**.

Microsoft has also committed by 2030 to:

- Be free of diesel.
- Match 100 percent of electricity consumption, 100 percent of the time, with zero-carbon energy purchases.
- Reduce our Scope 3 emissions by more than half.

WATER

In 2020, Microsoft pledged to be water positive for our direct operations by 2030.

Through this commitment, we will replenish the water consumed by datacenter operations in water-stressed regions. We have also committed to **reduce water waste by 95 percent in our datacenter operations by 2024**.

WASTE

In 2020, Microsoft announced enhanced goals for waste reduction, circular supply chains, and zero-waste certification. We are working towards our goal of **90 percent reuse and recycle of servers and components by 2025** through our first-of-a-kind Microsoft Circular Centers.

Microsoft is using **circular economy** principles in our datacenters by implementing reuse and comprehensive recycling programs.

By 2030, Microsoft datacenters will be zero waste

ECOSYSTEMS

Microsoft has committed to **protecting more land than we use for direct operations by 2025**.

Microsoft is committed to community investment, pollution remediation, and fair economic inclusion initiatives, as well as investment in clean energy, broadband access, and water replenishment initiatives.

Brazil

Datacenter operations sustainability investments

We're committed to providing a sustainable Microsoft Cloud, so we wanted to share information about how we take responsibility for our datacenter operations.

For Microsoft datacenters located in Brazil we have included local sustainability investments and datapoints in support of meeting and exceeding our commitments around carbon, water, waste, and ecosystems.

CARBON

1.12

Design power usage effectiveness (PUE)

Not yet in operation

We've committed to have **100% renewable energy coverage globally by 2025**

Microsoft operations in Brazil will comply with applicable air quality requirements.

In Brazil, we plan to **power our backup generators with a renewable biofuel blend that reduces net carbon emissions**.

New Microsoft datacenters are designed to earn **LEED Gold certification**.

Learn about PUE >

WATER

0.039 $\frac{L}{kWh}$

Design water usage effectiveness (WUE)

Not yet in operation

Microsoft will use adiabatic cooling at our Campinas datacenter.

These datacenters use **outside air and zero water** when temperatures are below 29.4 degrees Celsius, **reducing cooling water use to less than 10 percent of the year**.

Learn about WUE >

WASTE

Globally, Microsoft datacenters reuse

78%

of our end-of-life assets and components. The remaining **22 percent of materials are recycled**.

Additionally, Microsoft is conducting research and development to **improve waste diversion by determining new recycling solutions for used air filters and fiber optic cables.**

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