Microsoft

Microsoft datacenters in Taiwan

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 is currently building datacenter facilities in the broad Taipei area.

We estimate it will require **350 construction roles** and **2.2 million work hours** to build the new datacenters.

By the end of 2026, we project **51 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.

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.

Microsoft has invested in local priorities in Taiwan since 2020

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

Building skills to keep Taiwan's data safe

Microsoft and Far EasTone Telecommunications are collaborating with Yuan Ze University to launch the "5G Cloud Smart Campus" strategic alliance, which will develop the first Microsoft international certification in Taoyuan City. Yuan Ze University will train 300 students and community members through 10 hours of cybersecurity course content provided by Microsoft and the university. These courses will qualify them to apply for 30 cybersecurity internship positions. Professional internships will help strengthen connections between the university and community organizations to create talent that aligns with industry needs.

Learn more about the 5G Cloud Smart Campus program >

Partnering with local organizations to increase employability

Helping underserved youth gain digital skills

In 2022, Microsoft and Build School collaborated with House of Dream to conduct a Power BI course for underserved teenagers and provide financial support for these students to take PL-900 certification examination. Funding allowed participating teens to enhance their digital skills.

Learn more about the Microsoft Taiwan datacenter community local.microsoft.com >

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.

Microsoft

Microsoft global commitments

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.

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.

Taiwan

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 Taiwan we have included local sustainability investments and datapoints in support of meeting and exceeding our commitments around carbon, water, waste, and ecosystems.

CARBON

1.20

Design power usage effectiveness (PUE)

Not yet in operation

Renewable energy will be sourced from wind, solar, and hydro power.

In Taiwan, we are transitioning from petroleum-based diesel to power our backup generators to a **renewable biofuel blend that reduces net carbon emissions**.

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

Learn about PUE >

WATER

1.00 L/kWh

Design water usage effectiveness (WUE)

Not yet in operation

Microsoft will use **outdoor air with indirect mechanical cooling** at new datacenters in Taiwan.

These datacenters use **outside air and zero water** when temperatures are below 29.4 degrees Celsius, **reducing cooling water use to less than 30 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**.

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.