Microsoft

Microsoft datacenters in
Indonesia

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 Indonesia.

We estimate it will take approximately **5.4 million work hours** and more than **1,324 jobs** during peak construction to complete construction of the new datacenters.

By the end of 2026, we project **58 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
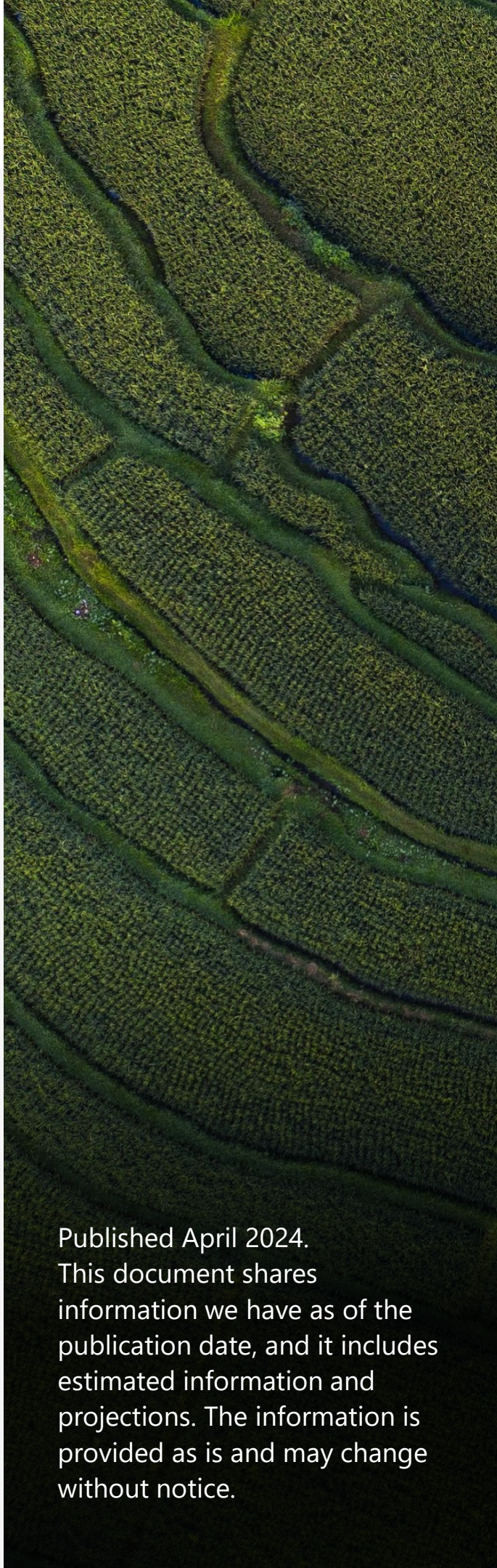
Collected annually once land is purchased.

Indirect taxes

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

Income taxes

From construction and operations workers.

Microsoft is investing in local priorities in Indonesia

Microsoft community investments support community-identified priorities across **4 projects** in Indonesia.

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

Providing pathways for datacenter careers

Microsoft is joining hands with Prestasi Junior Indonesia to prepare young Indonesians to enter the world of work in the 21st century. Through this program, 10,000 annual participants in Indonesia can gain improved digital knowledge and skills delivered by business professionals via specially developed learning videos. All participants will also be equipped with the various hard and soft skills necessary for success within the workplace.

Learn more about Prestasi Junior Indonesia ❯

Partnering with environmental sustainability programs for local impact

Investing in forestry and restoration

The Citarum River in West Java, Indonesia, has played a vital role in the countryside for generations, providing irrigation for rice paddies and energy from three hydroelectric dams along the river. Indonesia-based nonprofit foundation Trees4Trees is working with partners including the government of Indonesia and Microsoft, with facilitation from One Tree Planted, to plant a minimum of 10 million trees in the Citarum River watershed by 2025.

Learn more about tree planting in the Citarum River watershed ❯

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.

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.

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

CARBON

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

In Indonesia, our datacenters will be designed for our backup generators to be powered by a **renewable biofuel that reduces net carbon emissions**.

WATER

Our facilities use **water cooled chillers**. Water cooled chillers use water **100%** time of the year.

Datacenter cooling water is typically **not treated with any chemicals or additives**.

When quality of the available water is not adequate for use in cooling systems, water treatment is pursued in the same way municipal drinking water is treated to remove excessive hardness or to prevent harmful bacterial growth.

Water from our cooling systems is discharged back to the local wastewater utility treatment plant, following local regulations.

This system is highly efficient, using **less electricity and a fraction of water used** by other water-based cooling systems, such as cooling towers.

WASTE

Globally, Microsoft **reuses or recycles 90%+** of end-of-life assets.

Microsoft is conducting research and development to improve **waste diversion** and increased recycling efficiency by identifying **new recycling solutions** for used air filters and fiber optic cables.

Learn more about datacenter efficiency metrics including PUE and WUE >