



Microsoft datacenters in Malaysia

Published November 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.

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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 a datacenter in the Kuala Lumpur area.

Since the Kuala Lumpur datacenter construction started in 2021, more than **3.1 million hours** have been worked on construction projects, with an **average of 650 construction jobs per year**.

We anticipate it will take an additional **8.7 million hours** across an **estimated average of 1000 annual** construction jobs to complete the new datacenter facility.

Once the new datacenter is operational, we project **66 full-time employees and contractors** will work across the facility.

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 invests in Malaysian local priorities

Bringing digital skill-building programs to Malaysian job seekers

Microsoft's Bersama Malaysia initiative aims to provide digital skills to one million Malaysians by end of 2023, with potential employment opportunities for participants.

Microsoft Malaysia is teaming up with SOCSO and Junior Achievement Malaysia, to train 25,000 Malaysians through the 'Digital Skills for Tomorrow's Jobs' Program. The initiative includes webinars and advanced training in data science, benefiting graduates and job-seekers. This effort supports Malaysia's MyDIGITAL and the National Fourth Industrial Revolution Policy that is committed to prepare 30,000 data professionals by 2025.

Both programs strive to equip Malaysians to meet the increasing demand for tech skills and succeed Southeast Asia's growing digital economy.

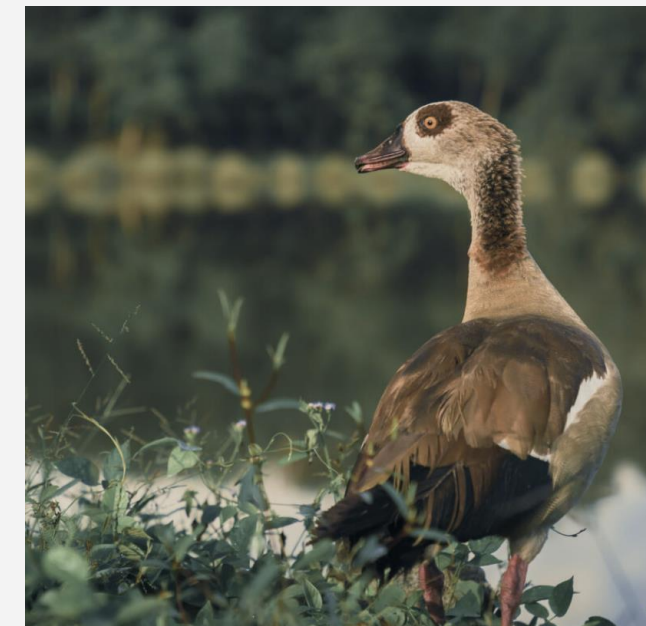
[Learn more about 'Digital skills for Tomorrow's Jobs'](#) >

Partnering with local government and non-profits to improve water quality

There are multiple lakes in and around Cyberjaya & Putrajaya which serve as open spaces for community use. The lakes receive a lot of stormwater runoff from surrounding residential and commercial areas, containing high levels of nutrients, sediments, and pollutants, causing water quality issues and dangerous algal blooms.

In collaboration with the Society of Ecological Restoration (SER) and local partners, Microsoft is working to improve water quality using nature-based solutions to rehabilitate the lakes ecology and engage the community.

[Learn more about the Putrajaya Wetland Park and Lake restoration project](#) >



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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.

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.

By 2030, Microsoft datacenters will be zero waste

