

Microsoft datacenters in Malaysia

As we build and operate datacenters, we aim to address local challenges and create benefits for communities.

Our commitment is reflected in three key areas: advancing community prosperity, contributing to a sustainable future, and being a good neighbor through responsible operations.

Published October 2025. 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.

About

We currently operate datacenters in the greater Kuala Lumpur area. As of 2025, these Microsoft facilities currently employ approximately 40 people.



Jobs

Typically, when we build new facilities, we estimate it will require 350 construction roles and approximately 2.2 million work hours to complete construction of the new datacenters.



Investments

Last year, Microsoft community investments supported five community identified projects in Malaysia.



Water

Our existing datacenter facilities in Malaysia primarily use indirect evaporative cooling, with water-cooled chillers supplementing the system during part of the year.



Living near a datacenter

Our practices include noise and light reduction, ecological restoration, and ensuring suppliers comply with local laws and environmental regulations.



Learn more



Learn more about our datacenters by visiting aka.ms/insideadatacenter

Advancing community prosperity and well-being

Our datacenters increase local economic activity, create jobs, and boost tax revenue, benefiting residents and the community.

Watch our video to learn more about [Microsoft jobs in your community](#)



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Jobs

We partner with local suppliers and create well-paid construction and datacenter operations jobs.

Microsoft operates datacenters in the greater Kuala Lumpur area.

- As of 2025, these Microsoft facilities currently employ approximately 40 people.
- Typically, when we build new facilities, we estimate it will require 350 construction roles and approximately 2.2 million work hours to complete construction of the new datacenters.

Datacenter operations jobs

- 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



Advancing community prosperity and well-being

Our datacenters increase local economic activity, create jobs, and boost tax revenue, benefiting residents and the community.

Taxes and economic impact

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

Communities around the world can typically anticipate significant economic benefits in combined local output, employment income, and public revenue contributions—from a single large-scale datacenter.

- Local economies benefit through significant investments in land, construction, and infrastructure.
- Local businesses are supported through sourcing materials and services from nearby vendors and contractors.
- Operational activities—such as purchases from local businesses and utility usage—generate economic output and tax revenue.
- A datacenter presence can serve as a catalyst for technology sector growth, attracting startups, spurring innovation, and creating new job opportunities.

Community investments

Working with local partners, we invest in programs that reflect community priorities—from workforce development to sustainability—and use our strengths as a technology company.

Last year, Microsoft's community investments supported five locally identified projects in Malaysia. To date, we've contributed to a range of programs, including:

- Livelihoods & Social Entrepreneurship project with United Nations Development Programme
- Workforce readiness skills training for students with The Asia Foundation
- Ecological restoration project at Kampung Sungai Melayu with Kelab Belia Prihatin
- STEMConnectHer initiative in Cyberjaya
- Rainwater harvesting systems in schools with CLEAN International & Water Watch Penang
- Cyberjaya Lake Gardens River Restoration project
- [Community-based ecological enhancement of Putrajaya Wetland Park and Lake](#)

Skills2Work Datacenter Foundations

Microsoft collaborated with The Asia Foundation on the Skills2Work program providing crucial job training, fostering social inclusion, and spurring economic growth.

- The program offers 40 to 50 hours of hands-on training, workplace visits, job preparation training, and expert-led career talks.
- Skills2Work aims to improve the employability of women, youth, individuals with disabilities, and other marginalized groups.
- The curriculum focuses on Datacenter IT Foundations knowledge and skills, as well as employability and soft skills for the tech industry.

Learn more about [Microsoft investments in Malaysia](#).



Contributing to a sustainable future

Our datacenters are designed for high efficiency, using less energy and water than traditional enterprise facilities.

Resources

[Learn more about datacenter sustainability](#)

[PUE & WUE for operational datacenters](#)

[Watch this video to understand water use at Microsoft datacenters](#)



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Energy

- We've committed to achieving 100% renewable energy coverage globally by 2025.
- Our datacenters in Malaysia will be designed for our backup generators to use a renewable biofuel that reduces net carbon emissions.

Water

- Our existing datacenter facilities in Malaysia primarily use indirect evaporative cooling, with water-cooled chillers supplementing the system during part of the year.
- Water-cooled chillers are used during warmer periods. Microsoft purchases water from Air Selangor.
- We work with local utilities to ensure the community has ample water resources. We have made financial investments in water infrastructure across the globe, replacing and extending decades-old facilities that benefit local residents. These investments also pave the way for community growth.
- To learn more, visit the [datacenter water consumption fact sheet](#).

Waste

- In 2020, as part of our goal to become zero waste by 2030, we set a target of reusing or recycling 90% of our end-of-life assets globally.
- We reached a 90.9% reuse and recycling rate in 2024. Microsoft Circular Centers—which process decommissioned servers and cloud hardware—were a key part of that success.
- To learn more, take a [virtual tour](#) of a Microsoft Circular Center.

Operating responsibly as a good neighbor

Each datacenter has a unique design, where the environment, community, and safety are prioritized.

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Living near a datacenter



Vegetative screening and building setbacks are included where possible and in accordance with local ordinances.



Unlike distribution warehouses, datacenters do not generate constant truck traffic. Deliveries are infrequent. Each building typically supports around 50 employees working in shifts across 24 hours, resulting in minimal parking lot traffic. Employee arrivals and departures are also staggered to avoid large shift changes.



The main sources of sound at datacenters include employee vehicles, occasional truck deliveries, backup generators, and HVAC equipment. Building setbacks help minimize the noise from backup generators and HVAC equipment.



Exterior lighting is strategically placed around buildings, parking lots, roadways, sidewalks, and perimeter fencing. Fixtures are designed to direct light downward, ensuring security while minimizing light pollution.



During construction Microsoft's general contractors comply with local noise ordinances and specifications outlined in the permitting process.



The community is informed of permitted work hours and other updates through the [Microsoft in your community](#) blog.

Staying connected



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