Microsoft

# Microsoft datacenters in Netherlands

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 the Netherlands currently employ **334 people**.

Since construction started in 2013, more than **12.3 million hours** have been worked on construction projects, with an average of **687 construction jobs** per year. We anticipate it will take more than **3.7 million hours** across an estimated **600 annual construction jobs** to complete the new datacenter facilities.

By the end of 2026, we project **382 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 is investing in local priorities in the Netherlands

## Partnering with local education partners to create skill building opportunities

### Providing pathways for datacenter careers

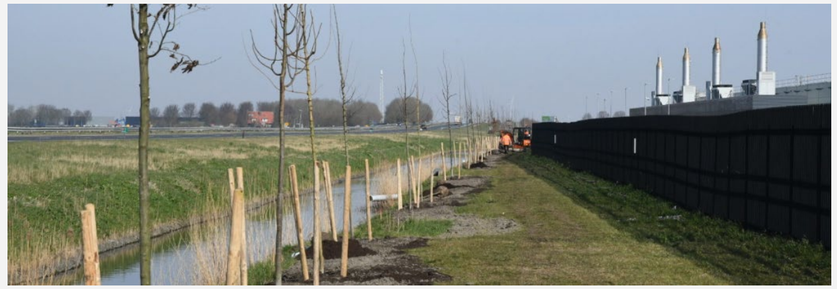
Microsoft collaborated with local education partners Horizon College, Hoorn, and Vonk to help job seekers and students pursue in-demand technology skills. The Datacenter Academy program helps build digital skills and provide career pathways in the growing information technology sector for residents of communities where Microsoft operates.

Learn more about the Microsoft Datacenter Academy

## Partnering with environmental sustainability programs for local impact

### Blending datacenters into nature with biomimicry

Collaborating closely with a team of local landscape architects, Microsoft planted 150 native trees and 2,300 square meters of shrubs, grasses, and groundcovers around the campus that blend in harmoniously with the Noord-Holland landscape. This project marks the start of a long-term effort to ensure that datacenters blend into the natural landscape of the Wieringermeer polder.



Learn more about our biomimicry 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.

**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.

# Netherlands

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

### CARBON

**1.158**

Power usage effectiveness (PUE)

January 2022–December 2022
Forecasted PUE for new datacenters: 1.12

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

In the Netherlands, 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

**0.08** $\frac{L}{kWh}$

Water usage effectiveness (WUE)

January 2022–December 2022

The new Microsoft Netherlands datacenters use **outside air and zero water** for cooling when temperatures are below 29.4 degrees Celsius, **reducing cooling water use to less than 5 percent of the year.**

The new Netherlands facilities use **rainwater capture** as an alternative water source that helps offset humidification water.

Microsoft's water storage facility uses **recycled water from the cooling system**.

Learn about WUE >

### WASTE

Microsoft Circular Centers can process up to

**12,000**

servers per month for reuse.

In 2020, we opened our first Microsoft Circular Center in our North Holland datacenters.

By June 2021, we demonstrated **83 percent reuse of our end-of-life assets and components in the Netherlands, which is above the Microsoft target of 78 percent**.

By 2025, 90 percent of servers and components within our regional datacenter network will be reused.

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