![Microsoft] **Microsoft**

Microsoft datacenters in
Italy

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 Italy currently employ **39 people**.

When construction begins for the new facilities, we estimate it will require **245 construction roles** and **approximately 1 million work hours** to complete construction of the new datacenters. We intend to fill **25 to 30 percent** of positions with local contractors.

By the end of 2026, we project **165 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:

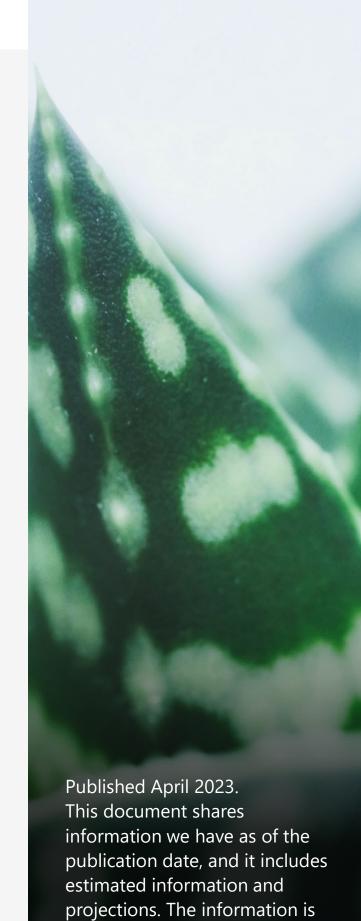**Property taxes**
Collected annually once land is purchased.

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 Italy

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

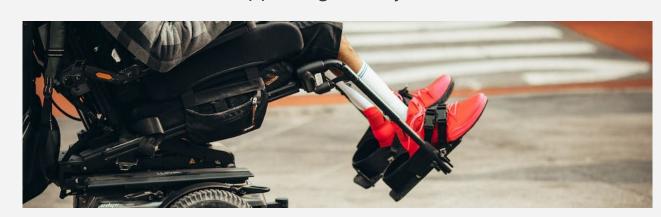### Reducing the dropout rate through AI

Microsoft partnered with Social Techno Impresa Sociale Srl to use AI to reduce the dropout rate in Milan's schools. The AI developed on the Azure platform will identify students and schools at risk and help set up automated and personalized learning paths for the students to get back on track for graduation.

Partnering with environmental sustainability programs for local impact

Supporting disabled workers with technology

Together with Spazio Aperto Societa Cooperativa Sociale, Microsoft is supporting jobs for disabled workers in sustainability roles. This project is developing technology for disabled workers in Milan to monitor and report environmental issues within the city. More than 30 percent of Spazio Aperto's employees are disabled, and this project will equip them with accessible technology to succeed in their roles supporting the city.

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.

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

CARBON

1.12
Design power usage effectiveness (PUE)

Not yet in operation

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

In Italy, 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

💧 0.023 $\frac{L}{kWh}$
Design water usage effectiveness (WUE)

Not yet in operation

Microsoft will use outdoor air with direct evaporative cooling at our Italy datacenters.

These datacenters use **outside air and zero water** when temperatures are below 29.4 degrees Celsius, **reducing cooling water use to less than 5 percent of the year**.
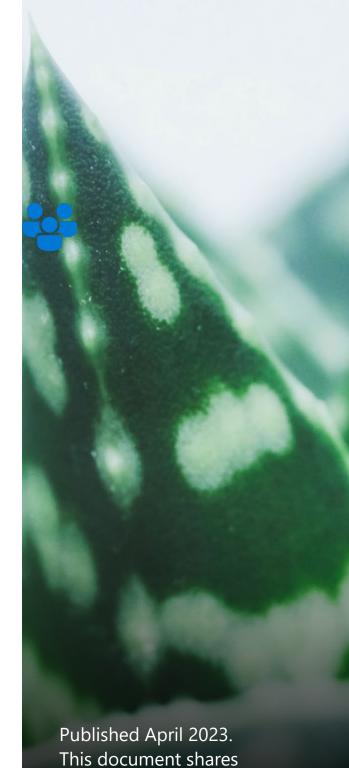
Learn about WUE >

WASTE

Microsoft Circular Centers can process up to

3,000
servers per month for reuse.

Globally, Microsoft datacenters **reuse 78 percent** of our end-of-life assets and components. **The remaining 22 percent of materials are recycled**.