

Microsoft datacenters in Spain

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 and are building new facilities in Comunidad de Madrid.



Jobs

Our operational datacenter employs approximately 80 people. We anticipate it will take approximately 680 construction jobs and 2.8 million hours to build the new datacenters in Madrid.



Investments

Last year, Microsoft community investments supported 10 community identified projects in Spain.



Water

Our facilities in Spain are cooled using direct evaporative cooling. Direct evaporative cooling in Spain uses water for cooling less than 15% 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 and is building new facilities in Comunidad de Madrid.

- As of June 2025, these facilities currently employ approximately 80 people.
- We expect construction of the new datacenters in Madrid to require approximately 2.8 million work hours and more than 680 jobs at peak activity.

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 digital skills and sustainability to community empowerment—and use our strengths as a technology company.

Last year, Microsoft's community investments supported 10 locally identified projects in Spain, including:

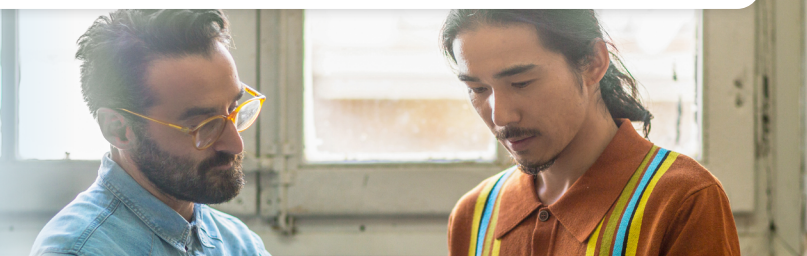
- Microsoft TalentAI programme in Madrid North in partnership with Fundación Esplai
- [Awakening STEAM vocations through Minecraft Education in the Community of Madrid](#)
- [Madrid Community Fund in partnership with ChangeX, which funded nine hyperlocal projects in Algete, Meco, and San Sebastián de los Reyes](#)

Datacenter Academy

Microsoft collaborated with Fundación Tomillo to open a Datacenter Academy, helping job seekers and students in Madrid gain in-demand technology skills.

- In 2024–2025, the program had 40 students.
- To date, we have employed four Datacenter Academy students as interns.
- Learn more about the [Datacenter Academy program with Fundación Tomillo](#).

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



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 Spain will be designed for our backup generators to be powered by a renewable biofuel that reduces net carbon emissions.
- Facilities in Spain are built to meet LEED Gold Certification standards, recognizing excellence in environmental sustainability and energy efficiency.

Water

- Our existing facilities are cooled using direct evaporative cooling.
- Direct evaporative cooling uses water for cooling less than 15% of the year.
- In Spain, Microsoft purchases water from Canal de Isabel (CYII). On warm days when the temperature exceeds 85°F (29.4°C), water flows into the facility and cycles through the cooling system between 2–5 times. A portion of the water evaporates, while the remainder is typically discharged back to the local wastewater treatment plant in compliance with local regulations.
- 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.

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



Visit the local.microsoft.com/spain page



Frequently Asked Questions



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