

Microsoft datacentres in Ireland

As we build and operate datacentres, 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 neighbour 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 datacentres in Grange Castle, Dublin.



Jobs

Our operational datacentres employ approximately 400 people.



Investments

Between 2008 and 2024, Microsoft provided more than €4 million in support to help build thriving, sustainable communities in areas close to our datacentres.



Water

We are harvesting rainwater to partially offset cooling and humidification needs at our Ireland datacentres. Direct evaporative cooling uses water for cooling less than 5% 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 datacentres by visiting aka.ms/insideadatacenter

Advancing community prosperity and well-being

Our datacentres 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 datacentre operations jobs.

Microsoft operates datacentres in Grange Castle, Dublin.

- As of 2025, these facilities currently employ approximately 400 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 datacentres.

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



Taxes and economic impact

Microsoft datacentres 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 datacentre.

- 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 datacentre 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 programmes that reflect community priorities and use our strengths as a technology company.

Between 2008 and 2024, Microsoft provided more than €4 million in support to help build thriving, sustainable communities—investing in nonprofits, community groups, and schools in the vicinity of our datacentre operations in Clondalkin.

Last year, Microsoft's community investments supported 11 locally identified projects in Ireland, including:

- Dream Space at Maynooth University
- Tree planting projects in South Dublin with Trees on the Land
- Let's Get Digital Project with South Dublin County Partnership
- [Technology skills bootcamps with learners from South Dublin and Kildare](#)
- AI Skill-A-Thon training programme
- ChangeX Dublin Community Challenge
- Support for Deansrath Family Centre

Datacentre Academy

Microsoft collaborated with Collinstown Park Community College and Technological University Dublin Blanchardstown to open the Datacentre Academy, helping job seekers and students in Dublin gain in-demand technology skills.

- The programme had 209 students since its inception.
- To date, we have employed 35 Datacentre Academy students as interns.
- Read more about [Microsoft Ireland Datacentre Training at Collinstown Park Community College](#).

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



Contributing to a sustainable future

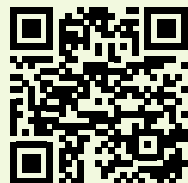
Our datacentres are designed for high efficiency, using less energy and water than traditional enterprise facilities.

Resources

[Learn more about datacentre sustainability](#)

[PUE & WUE for operational datacentres](#)

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



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Energy

- We've committed to achieving 100% renewable energy coverage globally by 2025. In this region, we will fulfil that commitment through power purchase agreements with Ballmacarney, Digital Power, Energia, Octopus, Power Capital, Ronaver Energy, SSE Renewables, and Statkraft.
- Our datacentres in Ireland use renewable biofuel to power our backup generators alongside natural gas generators for net lower carbon emissions campus-wide.
- Facilities in Ireland are built to meet LEED Gold Certification standards, recognising 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 5% of the year.
- We harvest rainwater to partially offset cooling and humidification needs. In addition, Microsoft purchases water from Irish Water. 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 [datacentre 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 computing assets globally.
- We reached a 90.9% reuse and recycling rate in 2024. The Microsoft Circular Centre in Dublin—which processes decommissioned servers and cloud hardware—was a key part of that success.
- To learn more, take a [virtual tour](#) of a Microsoft Circular Centre.

Operating responsibly as a good neighbour

Each datacentre has a unique design, where the environment, community, and safety are prioritised.

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Living near a datacentre



Vegetative screening and building setbacks will be included where possible and in accordance with local regulations.



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



The main sources of sound at datacentres include employee vehicles, occasional lorry deliveries, backup generators, and heating, ventilation, and air conditioning (HVAC) equipment. Building setbacks help minimise 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 minimising light pollution.



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

Staying connected



Visit the local.microsoft.com/ireland page



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