



## Sustainability Fact Sheet

# Italy

### AWS is building a more sustainable business in Italy, partnering with local communities, and investing in the region's future

Our sustainability work includes enhancing energy efficiency, transitioning to carbon-free energy, reducing embodied carbon, using water responsibly, driving a circular economy, and enabling sustainability for customers.

At AWS, we focus on efficiency across all aspects of our infrastructure. We use industry-standard metrics to measure efficiency and seek the optimal balance of energy and water use.

For more information, visit the [AWS Cloud Sustainability webpage](#).

### Efficiencies of Scale

Our scale allows us to achieve higher resource utilisation and energy efficiency than the typical on-premises data centre. A study released by Accenture and AWS estimates running optimised workloads on AWS's infrastructure is up to **4.1 times more efficient than on-premises**.

For more information, visit the full report, "[How moving to the AWS cloud reduces carbon emissions](#)."

### Key Sustainability Metrics

AWS Europe	2023	2024	2025
Average PUE	1.11	1.11	1.11
Average WUE (L/kWh)	--	0.04	0.05

Power Usage Effectiveness (PUE) and Water Usage Effectiveness (WUE), in litres per kilowatt-hour for data centres operated by AWS between January 1 and December 31 of each year

## Innovation to Support Leak Detection

Italy loses 40%+ of public water supply through leaks, the highest in Europe. We partnered with Aganova, to conduct an AI-powered acoustic leak detection across 64 km of pipelines in Bergamo: projected to save 200M litres of water annually over 10 years.

## Our Water Positive Commitment

In 2025, AWS withdrew 65,611 litres of water in Italy.

AWS is committed to being water positive by 2030, meaning we will return more water to communities than we use in our direct operations. As of the end of 2025, we are 75% of the way towards this goal. To learn more, see the [Amazon Water spotlight page](#).





## Local Carbon-Free Energy Projects

- **40 carbon-free energy projects in Italy:** 8 industry-scale offsite solar farms, including agrivoltaics projects that combine clean energy production and agriculture, and 32 onsite solar installations on our rooftop's facilities across the country.
- **3 new renewable projects** operational in Italy in 2025, part of nearly 1 GW added to European grids: powering 700,000+ households.

## Scale of Carbon-Free Energy

In 2025, BloombergNEF again recognised Amazon as one of the world's leading corporate purchasers of carbon-free energy, in addition to building the largest carbon-free energy portfolio of any corporation globally.

We have invested in over 700 carbon-free energy projects in 28 countries, with the capacity to generate 40+ gigawatts of electricity.

## Community Impact

**Amazon Education Pledge in Italy:** Amazon's commitment to education to train 200,000 students in STEM fields by the end of 2026.

**AWS re/Start launched in Piedmont (2021):** Free cloud training for disadvantaged groups with direct employer connections is now available in more than 6 regions in Italy through 10 Italian collaborating organizations.

**AWS Academy** at University of Rome La Sapienza, Tor Vergata, Fondazione ELIS, and University of Bologna: free cloud curriculum.

**Through InCommunities,** Amazon invests in hyperlocal programs in its data center host communities, including Amazon Think Big — a hands-on STEM education program delivering robotics and coding workshops in local schools, reaching over 1,700 students since October 2025 — and sustainability initiatives such as biodiversity education and community reforestation projects.



## AWS Investing in Italy

- **AWS Milan Region:** Launched in 2020, enabling Italian and Southern European organisations to run workloads with low latency.
- **€1.2B Expansion Investment:** Announced in 2024, a five-year commitment to expand the Milan Region, building on an initial €2B investment since launch. Recognised by the Italian Government as a National Strategic Investment
- **Economic Impact:** €880M contribution to Italian GDP and 5,500 jobs supported through 2029.
- **Local Footprint:** Offices in Milan and Rome; research centre in Asti; 2 Direct Connect locations; 3 Edge locations (Milan, Rome).

## Amazon Driving Digital Transformation

Amazon's broader investment in Italy:

- **€20B+** invested in Italy since 2010; €4B in 2023 alone
- **~19,000** permanent jobs by end of 2024
- **#1 job creator in Italy, 2014–2023** (TEHA study)