



## Sustainability Fact Sheet

# Indonesia

OVERVIEW

ENVIRONMENT

COMMUNITY

ECONOMIC IMPACT

## AWS is building a sustainable business in Indonesia, 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 Asia Pacific (Jakarta) | 2023 | 2024 | 2025 |
|----------------------------|------|------|------|
| Average PUE                | 1.35 | 1.40 | 1.29 |
| Average WUE                | --   | 2.75 | 2.85 |

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

# Water Stewardship in Indonesia

## Water Positive

In 2025, AWS withdrew 405,720,604 litres of water in Indonesia.

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.

## Water Replenishment

AWS is working with Habitat for Humanity in Karawang, West Java to deliver reliable safe water to 5 villages surrounding AWS data centres in Karawang District: installing wells, water treatment systems, and storage for nearly 6,000 people; delivering 200 million litres of clean water annually.

To learn more, see the [Amazon Water spotlight page](#).

OVERVIEW

ENVIRONMENT

COMMUNITY

ECONOMIC IMPACT





## Carbon-Free Energy Investments

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 over 700 carbon-free energy projects in 28 countries, producing 40 gigawatts of energy.

## AI to Support Biodiversity in Indonesia

AWS Cloud can support conservation efforts. WWF-Indonesia uses AWS machine learning to survey orangutan populations, enabling the nonprofit to cover more territory with fewer resources and channel more funding to biodiversity protection.



## Community Impact

### Cloud skills training

- 1 million+ Indonesians trained in cloud skills since 2017; now expanding to include AI education.

### Water.org safe water access

- AWS-based learning management system enabling Water.org to provide safe water access to households in Indonesia living in poverty.

### Community Programs

- Since the launch of the Jakarta Region in 2021, AWS has introduced community programmes focused on STEAM education, local skills development, sustainability, and hyperlocal social impact in Indonesian data centre communities.

### Guinness World Record: Gen AI Apps

- Amazon set a new Guinness World Record for most applications made in an on-site Gen AI event with 21 high schools in West Java: 10,821 unique Gen AI applications created, with 1 million+ Indonesians trained in cloud skills since 2017.

## Investing in Indonesia

- AWS launched the Asia Pacific (Jakarta) Region in 2022, making it the first AWS Region in Indonesia.
- The AWS Jakarta Region represents a planned investment of approximately \$5 billion in Indonesia over 15 years.
- The investment is expected to support an estimated average of more than 24,700 full-time equivalent jobs annually in the local data centre supply chain.
- Expected to contribute approximately \$10.9 billion to Indonesia's GDP over 15 years.
- The region enables Indonesian businesses, government agencies, startups, and organisations to run workloads locally with low latency while meeting data residency requirements.