



## Sustainability Fact Sheet

# South Korea

### OVERVIEW

### ENVIRONMENT

### COMMUNITY

### ECONOMIC IMPACT

## AWS is building a sustainable business in South Korea, 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 (excl. China)	2023	2024	2025
Average PUE	1.28	1.27	1.25
Average WUE	--	0.98	1.10

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

# Our Approach in South Korea

## Water Positive

In 2025, AWS withdrew 620,248,091 litres of water in South Korea.

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 were 75% of the way towards this goal.

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

## Delivering More, Together

AWS is a member of SEMI's Semiconductor Climate Consortium (SCC), working to increase access to carbon-free power and decarbonisation standards for the semiconductor industry.

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## Investing in South Korea

### AWS Asia Pacific (Seoul) Region

- The AWS Asia Pacific (Seoul) Region has been operational since 2016, serving South Korea's rapidly growing cloud market.
- AWS continues to expand its Seoul infrastructure to meet demand from Korean enterprises, startups, and government agencies requiring low-latency cloud services and data residency.

### Driving Digital Transformation

- South Korea is home to world-leading semiconductor manufacturers. AWS works with suppliers in the region to drive innovation in purpose-built chips (Graviton, Trainium, Inferentia) that power more efficient cloud computing globally.
- AWS's investment in custom silicon creates demand for advanced manufacturing capabilities in South Korea's semiconductor ecosystem.



## Community Impact

AWS re/Start operates in South Korea providing free 12-week cloud skills training for unemployed and underemployed individuals.