



Sustainability Fact Sheet

Thailand

AWS is building a more sustainable business in Thailand, 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 (Thailand)	2025
Average PUE	1.38
Average WUE (L/kWh)	--

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 Thailand

OVERVIEW

ENVIRONMENT

COMMUNITY

ECONOMIC IMPACT

Water Positive

In 2025, AWS withdrew 7,574,300 litres of water in Thailand.

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 globally.

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





Community Impact

Skills Training & Workforce Development

- AWS has built comprehensive programs for cloud education and skills development in Thailand, training more than 50,000 individuals in cloud skills since 2017. This includes AWS Academy at 30+ universities (Chulalongkorn, Mahidol, King Mongkut's Institute of Technology Ladkrabang) and "Tech for Digital Future" programme providing cloud fundamentals in Thai to high school and vocational students.

AWS Skills to Jobs Tech Alliance Thailand

- AWS launched Skills to Jobs Tech Alliance in Thailand to develop emerging technology and cloud talent, working with Thai educational institutions to modernise curricula using industry-validated skill maps for software engineering, data analytics & AI.

AWS re/Start Thailand

- Free entry-level cloud skills programme for career switchers in Thailand. Hands-on labs and real-world scenarios for cloud support, network engineering, and infrastructure operations roles.

Healthcare & Public Sector Innovation

- Big Data Institute (BDI) migrating Health Link (decentralised health information exchange) to the Thailand Region, enabling seamless access to patient health records without centrally storing sensitive data, serving Thailand's data-driven healthcare goals.

Investing in Thailand

- AWS launched the Asia Pacific (Bangkok) Region in 2025, representing a significant infrastructure investment in Thailand.
- The region enables Thai businesses, government agencies, startups, and organisations to run workloads locally with low latency while meeting data residency requirements.
- Thailand is a key digital economy hub in Southeast Asia. AWS's presence supports the country's digital transformation goals and Thailand 4.0 economic strategy.
- AWS plans to invest more than \$5 billion between 2025-2040 and expects to support an average of more than 11,000 full-time equivalent jobs annually in Thailand, adding approximately \$10 billion to Thailand's GDP.

Driving Digital Transformation

Financial Inclusion (Krungsri, Bank of Ayudhya)

- Using AWS AI and ML to serve 9.8 million customers delivering personalised services 60% more efficiently, expanding to 15 million customers and using ML-based risk assessment to extend financial services to Thailand's 7.5% unbanked adult population
- *"Lenders in Thailand are digitally transforming to better serve a broader base of new customers using cloud and AI technologies," said Vatsun Thirapatarapong, country manager at AWS Thailand. "With AWS's generative AI and machine learning capabilities at the forefront, Krungsri can make faster business decisions, deliver more compelling services for its Thai customers, and help the unbanked become more financially secure and included."*