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Miguel Cordon · 1d ago · 2 min read

NUS, NTU Singapore partner to launch \$17m data center research program

The National University of Singapore (NUS) and Nanyang Technological University Singapore (NTU Singapore) have established a S\$23 million (US\$17.3 million) research program for cooling solutions for data centers in tropical locations.

According to a statement, data centers are currently air-cooled at temperatures between 23 and 27 degrees Celcius, which leads to high energy consumption and carbon emissions.

Singapore currently supplies around 60% of all the data centers in Southeast Asia. This creates a need for lower energy consumption alternatives for cooling, as data centers in Singapore consume almost 7% of the country's total energy needs currently.

“Data centers are the backbone of the digital economy and they require constant cooling for optimal operations,” said NRF CEO Low Teck Seng. “The new STDCT will accelerate the development and test bedding of innovative and sustainable solutions for data centers toward commercial deployment.”