

Photovoltaic panels on the roof of the airport

What is Changi Airport's rooftop solar PV project?

This initiative encompasses the deployment of solar panels on the roofs of passenger terminals, as well as on airfield and cargo buildings managed by Changi Airport Group (CAG). Scheduled for completion in early 2025, this project will mark the establishment of Singapore's largest rooftop solar PV system within a single location.

Should Changi Airport install solar panels?

This comes after an international panel of experts and business representatives in 2022 recommended that Changi Airport consider installing solar panels on open spaces within the airfield. CAG said on Feb 14 that it has appointed Keppel to design, build, own and operate the solar PV systems at Changi Airport for 25 years.

How will Changi Airport's rooftop PV system work?

These systems will be installed on 40,000 m² of turf outside the aircraft operations area at Changi Airport. Once operational, the rooftop and airfield PV systems are expected to generate enough energy to power more than 10,000 four-bedroom HDB flats annually.

Will Changi Airport's rooftop solar system be Singapore's largest single-site solar system?

Changi Airport Group (CAG) has partnered with Keppel Ltd. to develop a major solar photovoltaic (PV) system across the rooftops of Changi Airport's terminal buildings. With a capacity of 38 Mega-Watt peak (MWp), this project is slated to be Singapore's largest single-site rooftop solar system when completed in 2025.

An additional 2,200 solar PV panels has been installed on the rooftop of its Hangar 1 facility. Alongside the PV panels installed on the rooftops of Hangars 2 and 3 since 2022, HAECO now has more ...

Under a contract with Changi Airport Group (CAG), Keppel Ltd. has commenced construction on a large-scale solar photovoltaic (PV) system on the roof of Changi Airport's (SIN) terminal buildings, as well ...

Construction of Austria's Largest Photovoltaic Plant Since 2016, Vienna Airport has operated seven photovoltaic plants on the roofs of Hangar 7, the old winter service hall, the Air Cargo Centre, the area of the ...

Changi Airport is accelerating its efforts towards decarbonization by embarking on the installation of a substantial solar photovoltaic (PV) system across its premises. This initiative encompasses the ...

By early 2025, Changi Airport will be home to Singapore's largest rooftop solar project. A collaboration between Changi Airport Group (CAG) and Keppel Ltd. will realize this ambitious solar ...

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14 Feb 2024 Work starts at Changi Airport on the largest single-site rooftop solar panel system in Singapore. When ready in early 2025, the clean energy generated for the airport is equal to what is needed to power ...

A smaller-scale 640 kilowatt-peak solar PV system will also be installed on the roof of the airport's maintenance and storage centre in the airport compound, cutting the facility's carbon emissions by about half.

However, when it comes to the innovative application of photovoltaic power generation, foreign airports have recently appeared in more "showy" operations: Can you imagine? They plan to use photovoltaic ...

A new solar photovoltaic (PV) system is to be installed on the rooftop areas of Singapore Changi's terminal buildings, terminal auxiliary structures, airfield and cargo buildings. The new sustainability ...

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