NTU Singapore To Invest S$5.7 Million To Increase Solar Energy Production

By **Pooja Chandak** - 7th November 2022

A file photo of NTU Singapore To Invest S$5.7 Million To Increase Solar Energy Production

Reading Time: 2 minutes

NTU Singapore is investing S$5.7 million to increase solar energy production as part of the University's climate change commitment.

This initiative will see the installation of over 13,000 new solar photovoltaic (PV) panels on the NTU Smart Campus. This is going to be in addition to the University's existing 19,000 solar panels installed in 2015. These solar PV panels absorb sunlight and convert it into electricity, which is then used to power the NTU building and facilities.

When completed by the last quarter of 2023, the solar energy generated by the campus-wide solar PV system will increase by 74 percent compared to the current output. This means that the University will be able to churn out 11.8 million kilowatt-hours (kWh) of clean energy annually – enough to power over 5,300 two-room HDB flats for a year.

Because all buildings and amenities on the NTU campus are, as of now, only partially powered by solar-generated electricity, incorporating more solar energy into the University's energy supply mix could help it save 4,800 tonnes of CO_2 per year.

The initiative is an extension of NTU's commitment to environmental sustainability, as highlighted in the University's five-year strategic plan NTU2025. It is, though, sponsored by funds raised from the issuance of the NTU sustainability-linked bond, which was launched in October 2021 and supports the University's broad corporate and sustainability goals and activities aligned with its Sustainability Manifesto.

It also aligns with the Singapore Green Plan's goal of tripling solar energy implementation in the country by 2030.

Pooja Chandak

Pooja is a journalist and mass communication graduate who specializes in content creation. She is passionate about clean energy, including solar and electric vehicles.