

NTU Singapore invests S\$5.7 million to ramp up campus solar energy production.

As part of the University's climate commitment, NTU Singapore is investing S\$5.7 million to ramp up solar energy production.

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This initiative will see over 13,000 new solar photovoltaic (PV) panels installed on the NTU Smart Campus, 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 to power NTU's 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 per cent compared to the current output. This means that the University will be able to churn out 11.8 million kilowatt-hour (kWh) of clean energy annually – enough to power over 5,300 two-room HDB flats for a year.

As all buildings and facilities on the NTU campus are currently partially powered by solar-generated electricity, the expansion of solar energy into its energy supply mix could help the University reduce 4,800 tonnes of carbon emissions a year.

The initiative is part of NTU's commitment to sustainability as outlined in the University's five-year strategic plan NTU2025, and is funded by the proceeds from the issuance of the NTU sustainability-linked bond launched in Oct 2021, which supports the University's wide-ranging corporate and sustainability goals and activities aligned with its Sustainability Manifesto.

It is also in line with the Government's target to increase solar energy deployment here by five times by 2030 under the Singapore Green Plan.