

Is HKUST a sustainability leader in Hong Kong?

The Hong Kong University of Science and Technology (HKUST) today announced its latest commitment to being a sustainability leader in Hong Kong by launching a renewable energy project that will include the installation of up to 8,000 solar panels at over 50 locations on campus.

How will HKUST benefit from a solar panel project?

For the solar panel project, HKUST will benefit from the China Light and Power Company's Renewable Energy Feed-in Tariff (FiT) Scheme and generate around HK\$160 million up to 2033.

Will Hong Kong's largest solar energy project make money?

A Hong Kong university will launch the city's largest solar energy project: installing up to 8,000 solar panels on campus to generate not only electricity equivalent to the annual consumption of hundreds of households, but also an income of up to HK\$160 million (US\$20.6 million) in the years to come.

How much money will HKUST receive from a new energy system?

After paying off the costs of the installation, HKUST will receive an average of \$4 million per year that will be reinvested in further campus energy efficiency and greenhouse gas reduction projects.

How much does HKUST cost?

The Hong Kong University of Science and Technology (HKUST) project, which will cost up to HK\$60 million in total, is expected to start on September 1 and be completed in about nine months, with solar panels to be installed at more than 50 locations on the Clear Water Bay campus.

How much energy does HKUST use?

In the 2022-23 period, HKUST's total energy consumption amounted to 99.8 million kWh, resulting in total GHG emissions of 38,570 tons of CO<sub>2</sub>-equivalent. This marks a 38% reduction in scope 1 & 2 GHG emissions compared to the 2014 baseline.

The HKUST Energy Institute is a multidisciplinary platform that integrates cutting-edge research, technology developments, and education on the generation, storage and distribution of ...

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The generation of waste heat is unavoidable from fuel burn, running computers and solar radiation. Ferroelectric materials undergoing first-order phase transformation accompanied by ...

Organic solar cells have desirable properties, including low cost of materials, high-throughput roll-to-roll production, mechanical flexibility and light weight. However, all top-performance devices ...

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