

Siu Ho Wan Solar Power Plant

What is Siu Ho Wan solar farm?

The Solar Farm at Siu Ho Wan Sewage Treatment Works, commissioned in December 2016, comprises over 4,200 polycrystalline photovoltaic (PV) panels and it is the largest of its kind among the government facilities. The Solar Farm is divided into three main areas, covering a total area of 11,000 square metres.

Which is the largest solar farm in Hong Kong?

The Solar Farm at Siu Ho Wan Sewage Treatment Works (SHWSTW), comprising over 4,200 polycrystalline photovoltaic (PV) panels, is the largest of its kind in Hong Kong. Innovative - Instead of traditional mechanical anchorage on ground, pre-fabricated concrete supports are used for PV panel installation.

How much electricity does Siu Ho Wan generate a year?

It can generate as much as 1.1 million kilowatt-hours of electricity annually, which accounts for the annual electricity consumption of about 230 households and helps reduce 770 tonnes of carbon dioxide emission per year. Schools and relevant organisations are welcome to visit Siu Ho Wan Sewage Treatment Works through the prior application.

How is Siu Ho Wan sewage treated?

Sewage collected to Siu Ho Wan Sewage Treatment Works will first pass through preliminary treatment. Large solids with over 6 millimetres in diameter and grit and sand with over 0.25 millimetres in diameter are removed from the sewage by fine screens and grit chambers before the sedimentation process.

Does Siu Ho Wan have a biotrickling filter?

Currently there are biotrickling filters installed in Siu Ho Wan Sewage Treatment Works which will treat the foul gas before discharging it into open air. The biotrickling filter is a reliable and environmentally friendly biological odour removal technology with a low life-cycle cost and minimum operation and maintenance requirements.

What is SHWSTW solar farm?

The Solar Farm at SHWSTW was commissioned since 2016. It comprises around 5,000 units of photovoltaic (PV) panels which can generate as much as 1.2 million kilowatt-hours of electricity annually, making it currently the largest PV system among the Hong Kong Special Administrative Region Government facilities.

Provision of a photovoltaic system of total output power of 1,100 kilo-watt peak at the Siu Ho Wan Sewage Treatment Works A??B?? Solar farm at Siu Ho ...

new and existing facilities. The Solar Farm at Siu Ho Wan Sewage Treatment Works (SHWSTW) is the largest of its kind among the government facilities. ?? ?? Description of the Project ...



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Kum Shing was responsible for the replacement and installation of solar inverter and power conditioning systems for Siu Ho Wan Sewage Treatment Works. The project started in June ...

The electricity generated by the solar farm at Siu Ho Wan Sewage Treatment Works will be fed through an internal power distribution network to various facilities inside the plant, including ...

Notably, the Solar Farm at Siu Ho Wan STW commissioned at the end of 2016, comprises over 4,200 units of polycrystalline PV panels which can generate as much as 1.1 million kilowatt-hours of electricity annual, making it the largest ...

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A visit to Siu Ho Wan Sewage Treatment Works of the Drainage Services Department (DSD) jointly organised by the EG Division and Institution of Gas Engineers and Managers - Far East ...

The solar farm at the Siu Ho Wan Sewage Treatment Works of the Drainage Services Department (DSD) came into operation today (December 9). The largest of its kind in Hong Kong, the solar farm comprises over 4,200 polycrystalline ...

Siu Ho Wan Sewage Treatment Works (SHWSTW) was a Preliminary Sewage Treatment Works when it was first commissioned in 1998. The plant was subsequently upgraded to Chemically Enhanced Primary Treatment Works in ...

Provision of a photovoltaic system of total output power of 1,100 kilo-watt peak at the Siu Ho Wan Sewage Treatment Works A B Solar farm at Siu ...

Hong Kong's Largest Solar Farm has been built in the Siu Ho Wan Sewage Treatment works, and was ... The plant is equipped with over 4200 panels and generates 1.1 million kW hrs of ...

