



Suntrac Energy Limited



Bangla Trac Limited (BanglaCAT) is the largest Electric Power Generation (EPG) Dealer for Caterpillar Inc USA in the Asia Pacific and one of the largest providers of Power Generation and Infrastructure Development in Bangladesh.



Suncredit Energy is a London-based energy development group that has helped develop over 400MW of operational projects across the globe.

Together we have formed Suntrac Energy and provides commercial and industrial organisations with quality and cost-effective solar power generation solutions.

What we do

Suntrac Energy provides a total solution to its clients, from set-up to operation and maintenance. Whether it's on a rooftop or in an open landscape, Suntrac will provide you with a quality system you can trust:

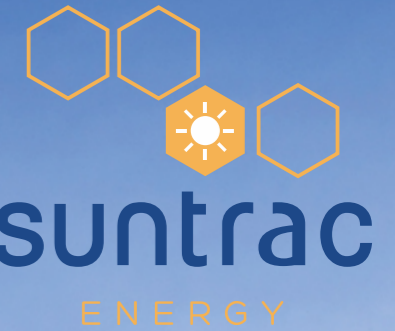
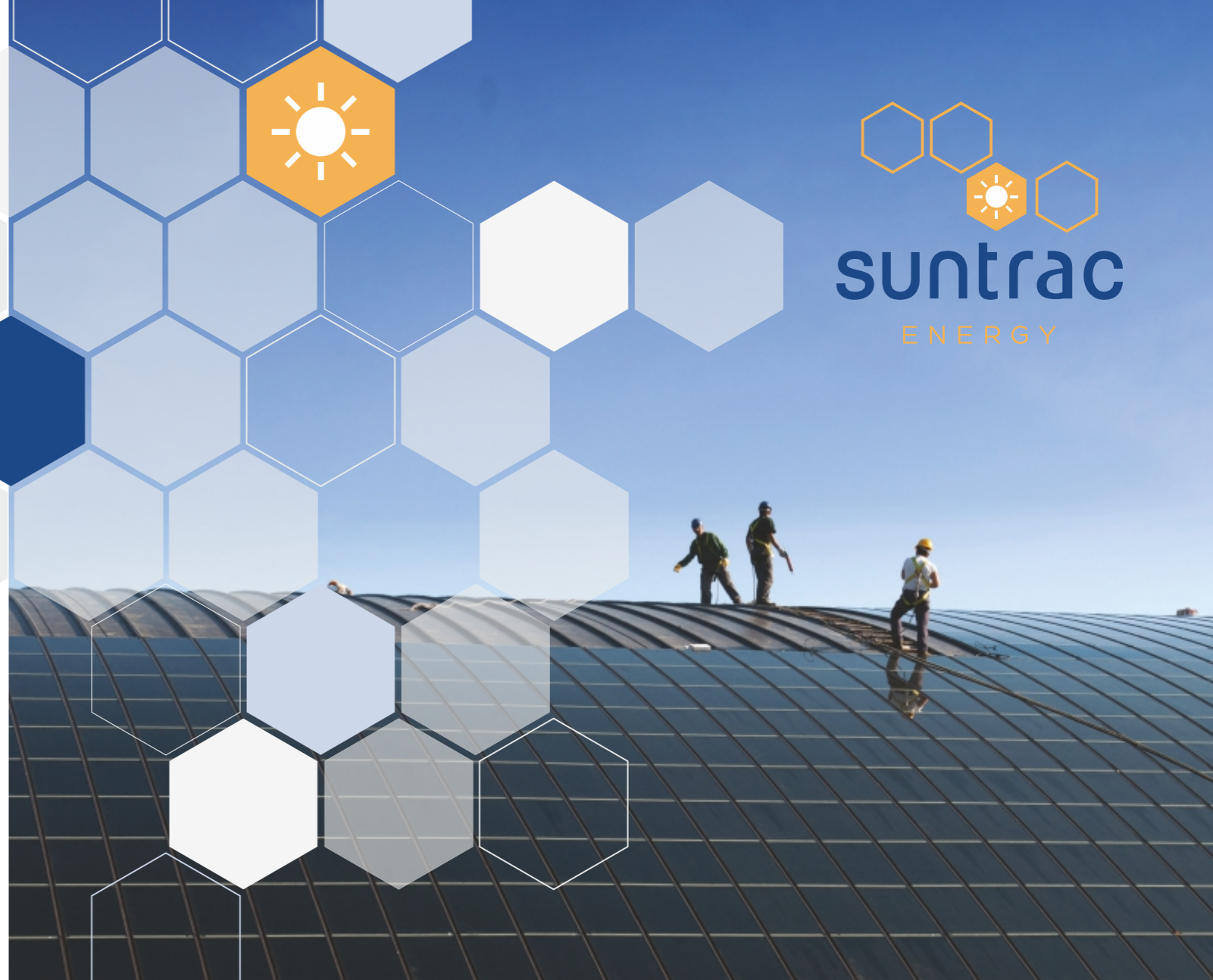
- ✓ Equipment selection
- ✓ Design and Installation
- ✓ Solar system web monitoring and maintenance
- ✓ Solar lease & funding



Next steps

All you need is a rooftop or some unused land and we will do the rest.

Get in touch for a free technical and financial feasibility study.



Interesting facts

- ✓ Solar panels work with rain or cloud cover
- ✓ A company can save on energy and fuel bills instantly
- ✓ The government has set a target to generate 10% of the total electricity supply from renewable sources by 2020
- ✓ Solar panels require little maintenance and last 25+ years
- ✓ The amount of solar energy that reaches the surface of the earth surpasses all other sources of energy



suntrac
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Suntrac Energy Powering economic growth in Bangladesh

If you have a factory or business which is suffering from grid outages or mostly dependent on gas or diesel generators, it is time to diversify your energy sources. Your business can benefit by saving on energy costs instantly.

Suntrac Energy supports you by helping you make informed decisions regarding rooftop solar photovoltaic (PV) systems and can supply the complete installation.

Solar panels have immense potential to boost production and reduce the down-time for energy intensive industries in Bangladesh. The panels are fitted onto vacant and shadow free rooftop space and even with cloud cover will harness the energy needed to keep your business on track - Suntrac!

Solar PV by Suntrac - Save energy and money now!

HYBRID ROOFTOP SOLAR PV SYSTEMS

Why

Sunshine (irradiance) levels in Bangladesh give **good levels of performance** of solar pv and are a cost-effective source of power

Proven benign technology – reliability and low maintenance costs with **25 year lifetime**

Lower diesel, grid electric or gas consumption - **reduction in cost** and carbon footprint

Choice of Opex or Capex finance options – **financial flexibility** and competitive ROI, control of one of the critical cost variables, power, which gives a long term differentiation for adopting business

Source of power diversification - **security against rising energy costs** and dependence on grid

Clean and environmentally friendly source of power – reduction of carbon footprint, **improved working environment for employees**, satisfies supply chain demand

Corporate social responsibility, differentiation and competitive advantage, green qualifications, **industry leadership**

1kW of electricity can be produced **from every 100 square feet** of rooftop space

When

Great awareness and acceptance by customers, of ethical, sustainable and renewable energy usage

A proven model of rooftop solar systems worldwide

Financing solar has never been easier

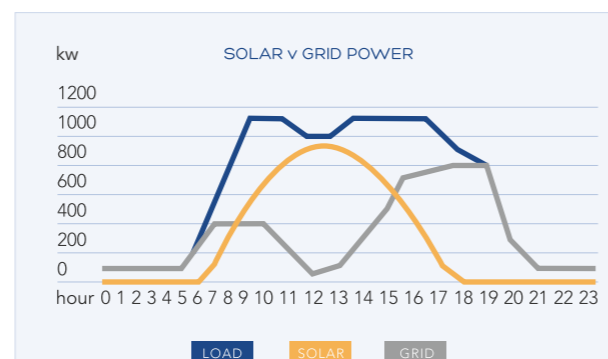
Net metering has been introduced which enables any excess power generation to be sold back to the grid

Several initiatives promoting industries to abandon fossil fuel consumption. Among them are:

LEED – International Accreditation system -all industries.

PACT – International Programme for textile industries

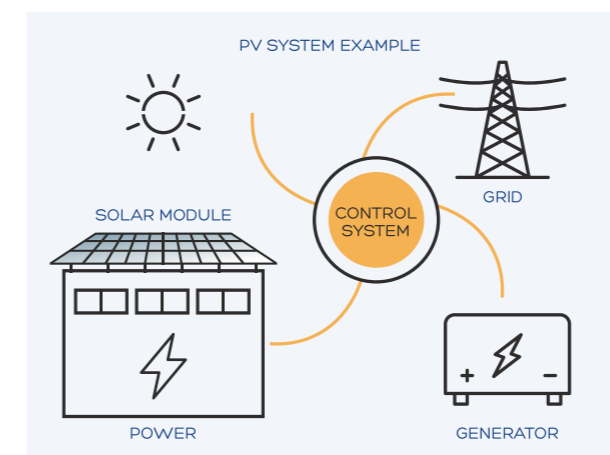
TREES – Bangladesh Programme for textile industries



How

Solar panels mounted on a factory roof capture the sun's energy using photovoltaic cells. The cells don't need direct sunlight to work – they can still generate some electricity on a cloudy day. The cells convert the sunlight into electricity, which can be used to run machinery and lighting.

A photovoltaic hybrid system combines PV, the grid and other electricity generators (like diesel and gas gensets). The electricity generated from the solar PV is used first, and supplemented by the grid and gensets when additional power is required. This innovative design ensures that 100% of the electricity generated by the solar PV is used.



Capex model

Plant Capacity:	1MW
Energy Cost	\$0.024/kWh
Savings 1st year:	\$142,000
Return on Investment:	4 to 5 years
Gross Savings in 25 years:	\$3.35m
CO2 emission savings:	18,784 tons

CO2 savings equivalent: 150 cars off the roads for 25 years

Assumptions: 25 years lifetime, 2% inflation, 0.7% panel degradation, 1,530kWh/kW annual yield, 584gCO₂/kWh Grid life-cycle emissions in Bangladesh

Opex model

Plant Capacity:	1MW
Savings per year:	\$39,900
CO2 emission savings:	18,784 tons

CO2 savings equivalent: 150 cars off the roads for 25 years

Assumptions: 2% inflation, 0.7% panel degradation, 1,530kWh/kW annual yield, 584gCO₂/kWh Grid life-cycle emissions in Bangladesh