

*The  
Complete  
Solution  
Provider in  
Solar PV  
Energy*



## CUTECH

### OUR PROFILE

Cutech is a rapidly growing global engineering group providing diversified services to the Oil & Gas, Petrochemical, Process, Marine, Industrial, Construction, Cement and Power sectors. It started with its headquarters in Singapore and now has its global footprint established in the Middle East, India, Malaysia and Indonesia with associate partners worldwide.

### OUR CORE SERVICES

- Inspection, NDT, Advanced NDT and Other Services
- Engineering, Procurement and Construction (EPC) Projects
- Technical Manpower Outsourcing & Placement
- Technical Training & Certification
- Underwater Diving Services
- Software Development

There is now an increasing awareness of the impact of carbon emissions and their impact on global warming. This is resulting in countries taking initiatives to reduce their carbon footprint and corporates are also playing their part in trying to create a sustainable future.

In this context CUTECH has now launched a Solar Energy Business Initiative. The aim of this initiative is to develop a profitable business in the renewable energy segment and contribute to reducing the impacts of global warming. Solar PV systems are considered one of the most "democratic" renewable technologies, in that their modular size means that they are within the reach of individuals, co-operatives and small-businesses that have the leverage to own their power generation.

## SOLAR PV SYSTEM

Photovoltaic (PV in short) is a form of clean renewable energy. Most PV modules use crystalline silicon solar cells, made of semiconductor materials similar to those used in computer chips. When sunlight is absorbed by these materials, the semi-conductor material in the PV cells is stimulated by the photons of the sunlight to generate direct electrical current (DC). They will work as long as they are exposed to daylight. The electricity generated is either used immediately or is stored (eg. in batteries) for future use. Solar modules themselves do not store electricity.

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## CUTECH SOLAR PV SERVICES OFFERED



*Roof Mounted PV System*

*Stand Alone PV Systems*

*Solar lighting Solutions*

*Signs and Signals*

*Water Pumping Solutions*

*Remote Monitoring System*

*Chemical Injection Skids*

*Cathodic Protection System*



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