

SCUBE Technologies Limited

Creating clean energy for business



Introduction

- ▶ Initiated by two passionate engineers in 2015 to create mark on mitigating the country's energy need through nature friendly renewable energy, with a fantastic team effort SCUBE Technologies Limited has become the foremost player of industrial clean energy providers by taking part in around 6.1 MW capacity of renewable energy in different industries and mini-grids. This leadership was gained through a fantastic teamwork of our business, engineering and support teams coming from different streams with diverse industry experiences.
- ▶ In less than 3 years of operations SCUBE gained the trust of world leading renewable energy equipment producers like SMA, JA Solar, Joymeter, Schneider Electric, ABB, Span Pumps Pvt Limited etc. For its extensive organizational knowledge in solar energy design and implementation, SCUBE is awarded with a country service agency from SMA Solar Technology AG, Germany, for SMA Inverter which is the most reliable inverter for solar electricity throughout the world. SCUBE has also awarded the local sales and service agency from JA Solar, producer of the third most used solar panels in the world according to Bloomberg New Energy Finance (BNEF) reports.
- ▶ In a pretty short lifetime, SCUBE has acquired experiences as a low cost environment friendly industrial power provider in various industries including Textiles, RMG, Poultry, Cold Storages, Armed Forces, NGO, etc. With the trust of the clients SCUBE has installed a number of industrial solar power plants up to 723KWp capacity and gained the experience of working in every region of Bangladesh. The company has also completed two LEED projects in Bangladesh as EPC Contractor too.

Vision and Mission

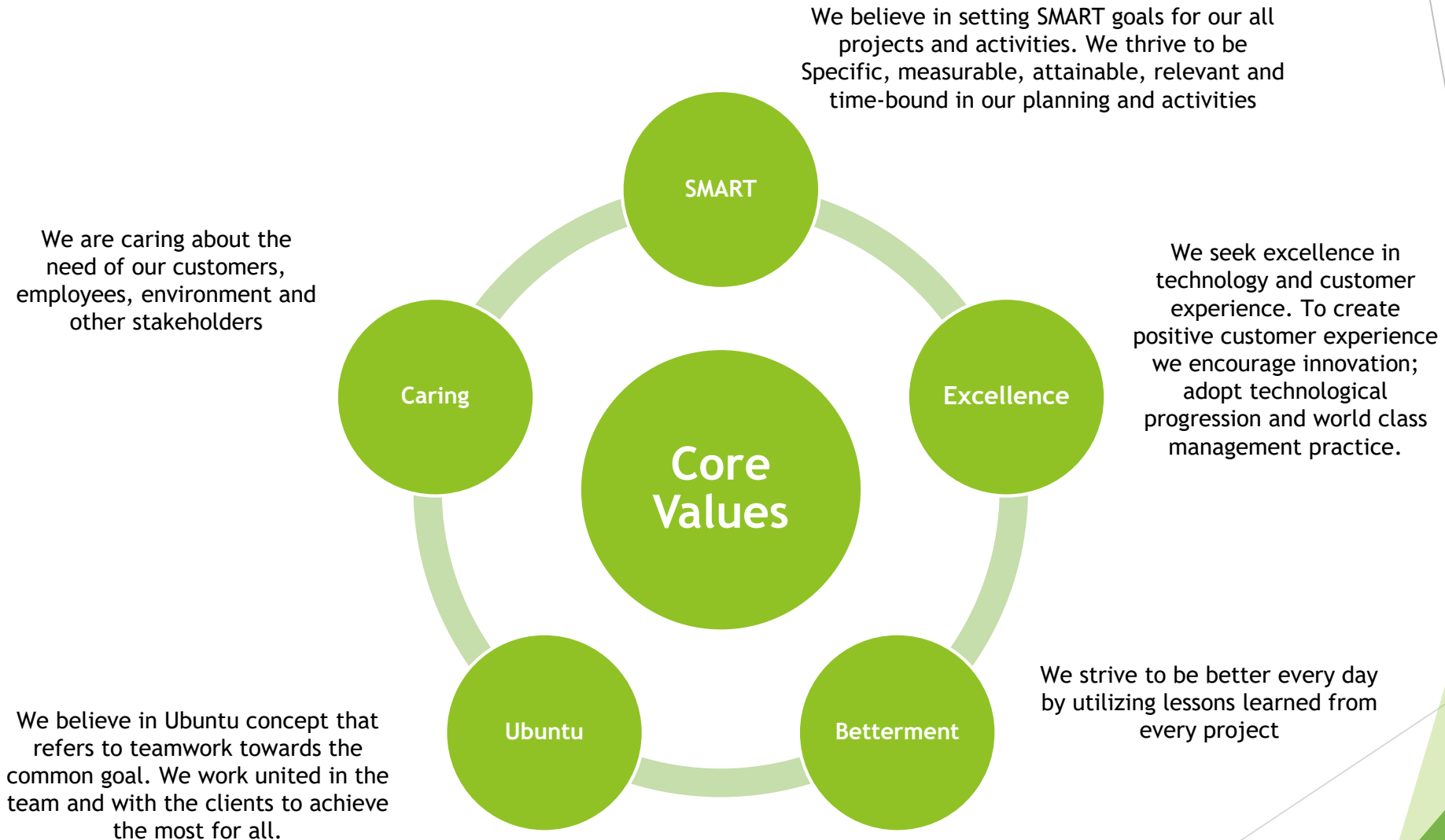


To be the most preferred renewable energy solution provider for industrial and commercial clean energy.

Gaining long term trust of customers through delivering state-of-the-art technology, innovation, value for money, adopting new technologies and management skills.

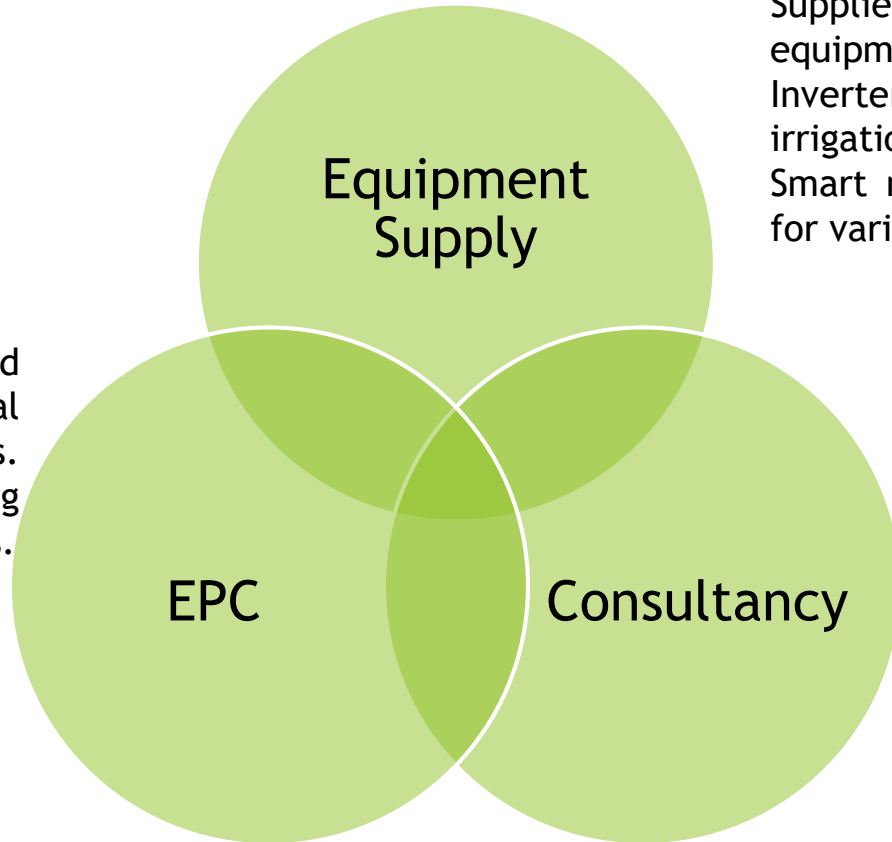


SCUBE Values



Area of work

Delivers solar energy based power projects to the industrial customers in a turn-key basis. Assists customers on raising funding for the eligible projects.



Supplies all kind of solar energy equipment including PV Modules, Inverters, Remote monitoring units, irrigation pumps and its controllers, Smart meters and other accessories for various solar power plants.

Provides consultancy service to the clean energy companies, regulators and industrial customers on solar energy based power solutions.

Solutions



Solar Power Plant:

A solar power plant produces electricity utilizing the sunlight and provides it to the users in a regular quality that a utility company or generator provides. SCUBE offers solar power plants for industries and commercial companies utilizing their unutilized roofs or lands. We have the following types of Solar Power Plants -

On-Grid Solar Power Plant: Produces electricity from sunlight in daytime, synchronizes with the grid electricity and diesel/gas generator. The priority of electricity feed is set according to client's need.

Flexible Storage Solar Power Plant: Produces electricity from sunlight in daytime, synchronizes with the existing power system and also stores clean electricity for regular/emergency use. The priority of electricity feed is set according to client's need.

Off-Grid Solar Power Plant: Directly feed and store solar power for regular use. Suitable for industries who do not have electricity from BPDB and capable to run in a hybrid mode synchronizing with diesel generator.

Solar Hybrid Mini Grid Solution:

A mini grid, also sometimes referred to as a "Micro Grid or Isolated Grid or Nano Grid", is a power plant that produces, stores and supplies solar electricity to a specific locality to satisfy its regular need. This solution is especially suitable for locality where BPDB distributors do not have a distribution line.

Solar Irrigation Solution:

A solar-powered pump is a pump running on electricity generated by photovoltaic panels or the radiated thermal energy available from collected sunlight as opposed to grid electricity or diesel run water pumps. SCUBE offers irrigation solutions that can support ample land area using required number of pumps.

Partnership and Agency



SMA Solar Technology AG is the producer of world's top performing solar power inverter head quarter and factory in Germany. SMA Inverter is the most popular solar inverter for industrial and large scale solar power plants around the world for its around half century experience in producing solar invertors. SCUBE is the official local service partner of SMA.

JA Solar Holdings Co.,Ltd is a world leading manufacturer of high-performance solar power products. The company was founded in May 2005 and publicly listed on NASDAQ in February 2007. JA Solar has been the world's leading cell producer since 2010, and has firmly established itself as a tier 1 module supplier worldwide. According to the study of Bloomberg New Energy Finance (BNEF) JA Solar is the 3rd largest Tier-1 panel producer of the world in 2018. SCUBE is the local partner of JA Solar for Bangladesh market responsible for marketing and servicing of JA Solar panels.



Zhejiang Joy Electronic Technology Co., Ltd is one of the largest IoT companies of the world working with smart meters. The company market its product, smart electric meter, under the brand "Joymeter" and now have the largest market share in mini grid market of Bangladesh. SCUBE is the local partner for "Joymeter" in Bangladesh.

The STS Association is the body that maintains and controls the only globally accepted open standard for prepayment systems head quartered in South Africa. This prestigious association has members from all around the world who works with prepayment systems. SCUBE is a proud member of The STS Association



Why SCUBE?



- SMA is the world's most preferred solar inverter brand of Germany
- JA Solar is the world's 3rd most preferred PV panel according to Bloomberg

Equipment we offer in Industrial Rooftop Solar Power Plant



PV Panel

Brand	JA Solar
Tier	Tier-1
World Ranking	3 rd as per study of Bloomberg
Origin	China
Technology	Poly / Mono PERC
Specialty	Optimize yield in low light and high temperature



PV Inverter

Brand	SMA
Capacity (AC)	25kW/ 50kW/75kW/100kW/150kW/ 1000kW/2.75MW/5.5MW
World Ranking	1 st
Origin	Germany
Experience	35 Years
Specialty	Optimize yield through high DC-AC ratio (up to 150%) , Double MPPT points (6 against 3), IP-65



Combiner Box

- AC and DC Combiner Box
- Customize designed in SCUBE Lab as per project need



Fuel Save Controller

- Unique addition by SCUBE
- Saves diesel consumption up to 50% from DG
- Customize designed in SCUBE Lab as per project need

After Sales Service



20 Years Performance Warranty for PV Panels
20 Years Warranty for Inverter



Hands on O&M
Training for
Electrical Team



Access to online
monitoring tool



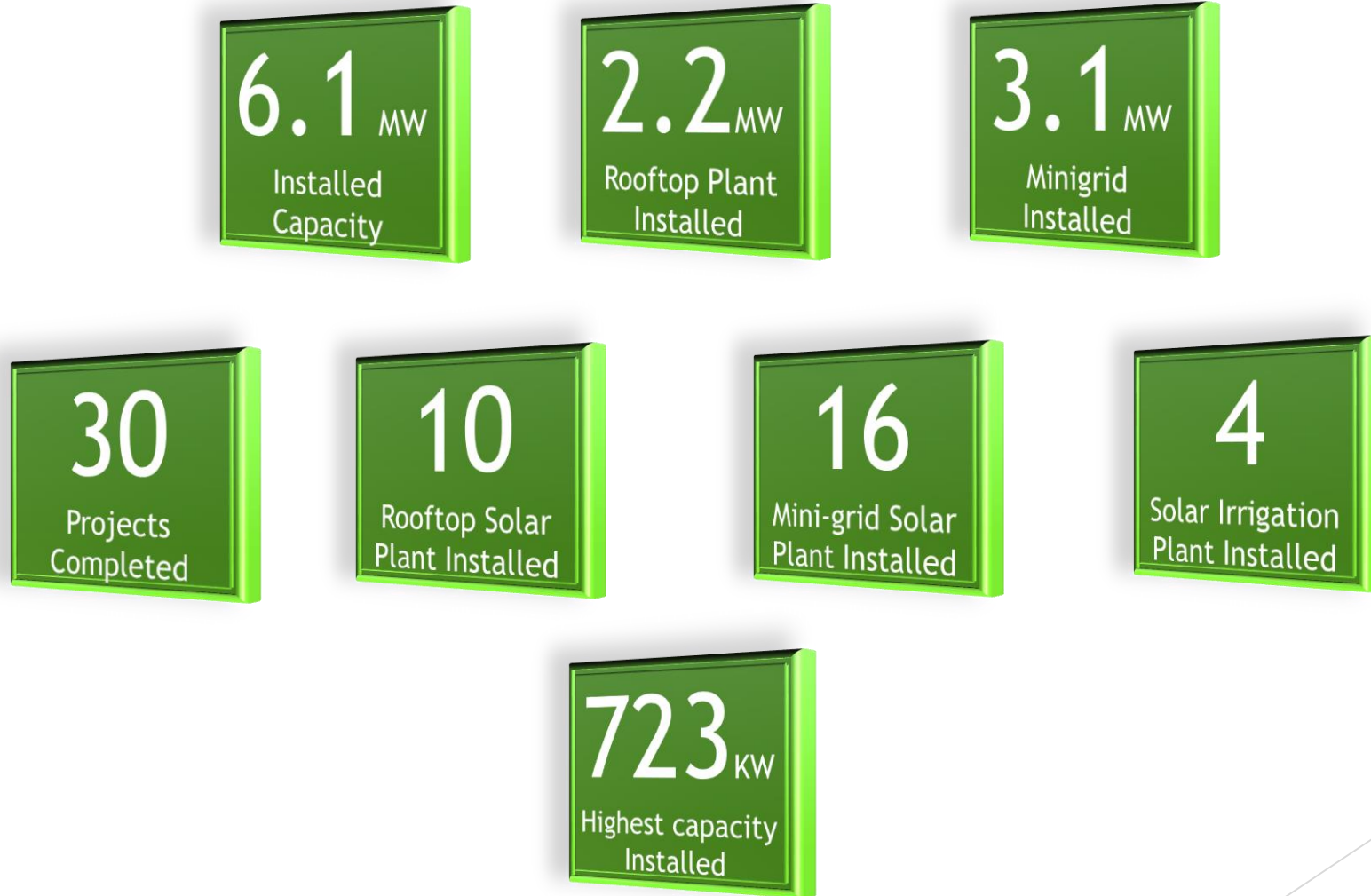
Bi-Monthly Health
Check Report



Service Hotline in
business hours

Projects

Projects at a glance



723.06 KWp Rooftop Grid-Tied Project of Paragon Group



PPL 723.06KWp Grid-Tied Solar Power Plant	
Capacity	723.06 KWp
Client	Paragon Poultry Limited
Location	Bhabanipur, Gazipur
Average expected Annual Production	938,621 kWh
No. of Panel Used	2,260
No of Inverters Used	27
Synchronized with	BREB, Diesel Generator

255.36 KWp Rooftop Grid-tied Project of Urm Group



UHM 255.36KWp Rooftop Solar Project

Capacity	255.36 KWp
Client	UHM Ltd
Location	Adamjee EPZ, Narayanganj
Average expected Annual Production	331,814 kWh
No. of Panel Used	798
No of Inverters Used	08
Synchronized with	BREB, Diesel Generator

250 KWp Hybrid Mini-grid Project of VGL



VGL 250 KWp Solar Hybrid Minigrid	
Capacity	250 KWp
Client	Vincen G-Tech Limited, Western Engineering
Location	Munniachar, Islampur, Jamalpur
Average expected Annual Production	4,00,000kWh
No. of Panel Used	960
No of Inverters Used	31
Beneficiary	572 Households, 60 Shops, 20 Schools and Moasjids, 5 Rice Mills, 7 Small Industries, 15 auto-rikshaw charging station

250 KWp Solar Hybrid Mini-grid of Envis



Envis 250 KWp Solar Hybrid Minigrid	
Capacity	250 KWp
Client	Envis Energy Limited
Location	Nischantapur, Kazipur, Sirajganj
Average expected Annual Production	4,00,000 kWh
No. of Panel Used	960
No of Inverters Used	26
Beneficiary	633 households, 156 shops, 28 Institutes, 4 Rice husking mills, 3 Saw Mills

Clientele



Going Forward

For any query please contact -

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THANK YOU