Company Overview

The Solar Challenge
  a) Rooftop Solar
  b) Solar Cold Rooms

Research & Development – Agro Lights

Smart Cities
  a) Smart Pole
  b) Air-co
Company Overview

Our Advantage: Vertically Integrated Business Model

Who We are?
Company Overview

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Solar PV - Target 2022…

![Bar chart showing actual and targeted cumulative solar capacity from 2013 to 2022]
Rooftop Solar Is Part Of The Solution

MNRE Year-wise Solar Targets (in MW)

SOLAR COLD ROOMS

5-10MT
- Portable
- Solar Powered
- Automatic Temp Control
- Battery less Refrigeration
- Remote Monitoring
- 24Hrs Thermal Backup
- Grid Sync

Ministry of New and Renewable Energy

UNDP
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Grow Lights – Transforming Future
SARGE First step towards Photosynthesis

SARGE Products

Suspension height corresponding illuminance values:
- 3000 lux
- 1550 lux
- 650 lux
- 350 lux

Suspension heights:
- 0.5 m
- 1.0 m
- 1.5 m
- 2.0 m

Areas:
- 6.164 m²
- 3.965 m²
- 1.580 m²
- 0.985 m²
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Smart Pole

- Data management
- Multiple Sensors
- Panic Button
- CCMS
- Live Traffic Alert
- Highly Energy Efficient Light
- Parking Availability Detection
- Wi-fi Hotspot
- Electric Vehicle Charger
- GPS based Locator
- Multiple Chargers

Case study - Delhi

5091 MW
Delhi Peak Demand/Day

3055 MW
Delhi Cooling Load

Rs. 5499 million
Market Size/Year

6 months

Rs. 30.55 Million /day

60%

Rs 10/ Unit

Rs. 549 million
saved

10% savings
Air-Co

14hr Test
Without Air-co 13.6 kWh
With Air-co 11.0 kWh
Power Saving 19.1%

31 Hr Test
Without Air-co 24.8 kWh
With Air-co 21.0 kWh
Power Saving 15.3%

*Can be used in Chillers. ESCO model is for sale.

Tested at FES, Kandivali, Mumbai

Thank you

Kumar Saurav
Co-Founder & CTO
SAR Green Energies

Phone: 96 44 56 44 55
Email: welcome@sargeglobal.com