

# Goggles Energy Pvt. Ltd.

Solar PV System Integration,  
Consulting & Project Development



**Goggles Energy**

# COMPANY OVERVIEW



**Established in 2013**

**Affiliated with.**



**Awards & Recognition**

- ✓ Certified BIPV Installer
- ✓ BIPV, first such project in Tamil Nadu and only the second in India.

**Our Mission**

- ✓ To make renewable energy affordable & available to each and every power consumer in India

**Our Capability**

- ✓ Technically Strong Professionals in Roof Top Projects

**Our Presence**

- ✓ Strong Presence in Tamil Nadu



20-Nov-17



GOGGLES ENERGY PVT. LTD



# BIPV PROJECT- A FEATHER IN GOGGLES'S CAP



## *BIPV- BUILDING INTEGRATED PHOTOVOLTAIC*

It's a space efficient method of incorporating PV panels on to the building's main structure.

1

In roof transparent solar panels with 10% light penetration.

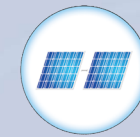
2

Aesthetically Pleasing

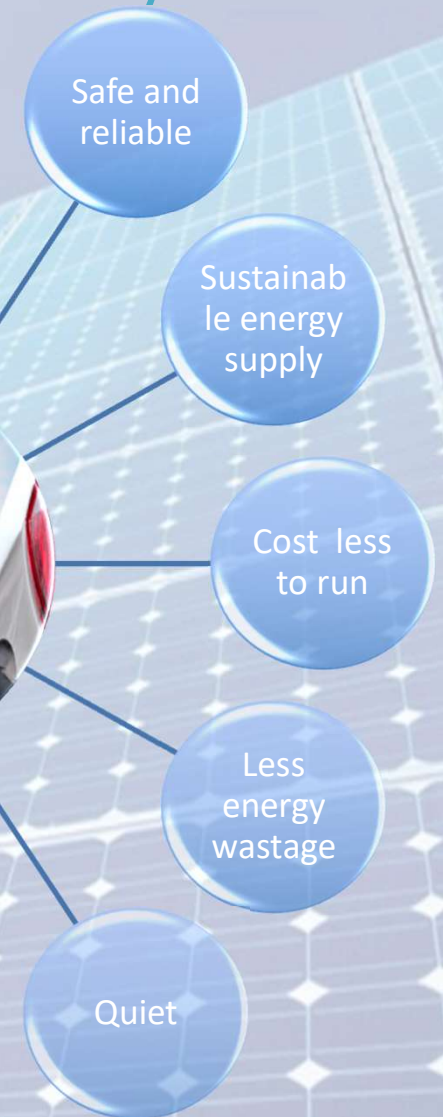
3

Act as a building roof & power generator





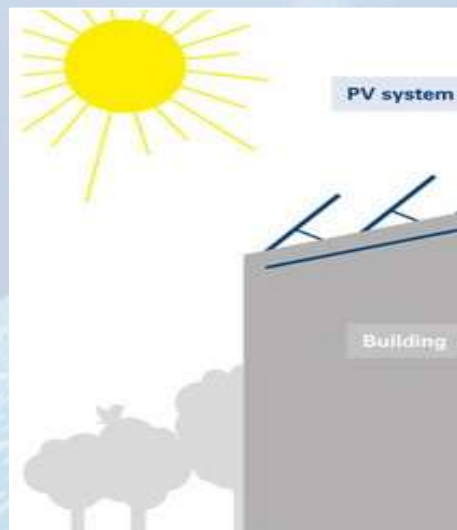
## Fossil Fuel





# E- MOBILITY WITH SOLAR PV

- The project aims at fully developing Solar PV e-mobility charging stations in Chennai City with the collaboration and support of German technology.



Hybrid Solution



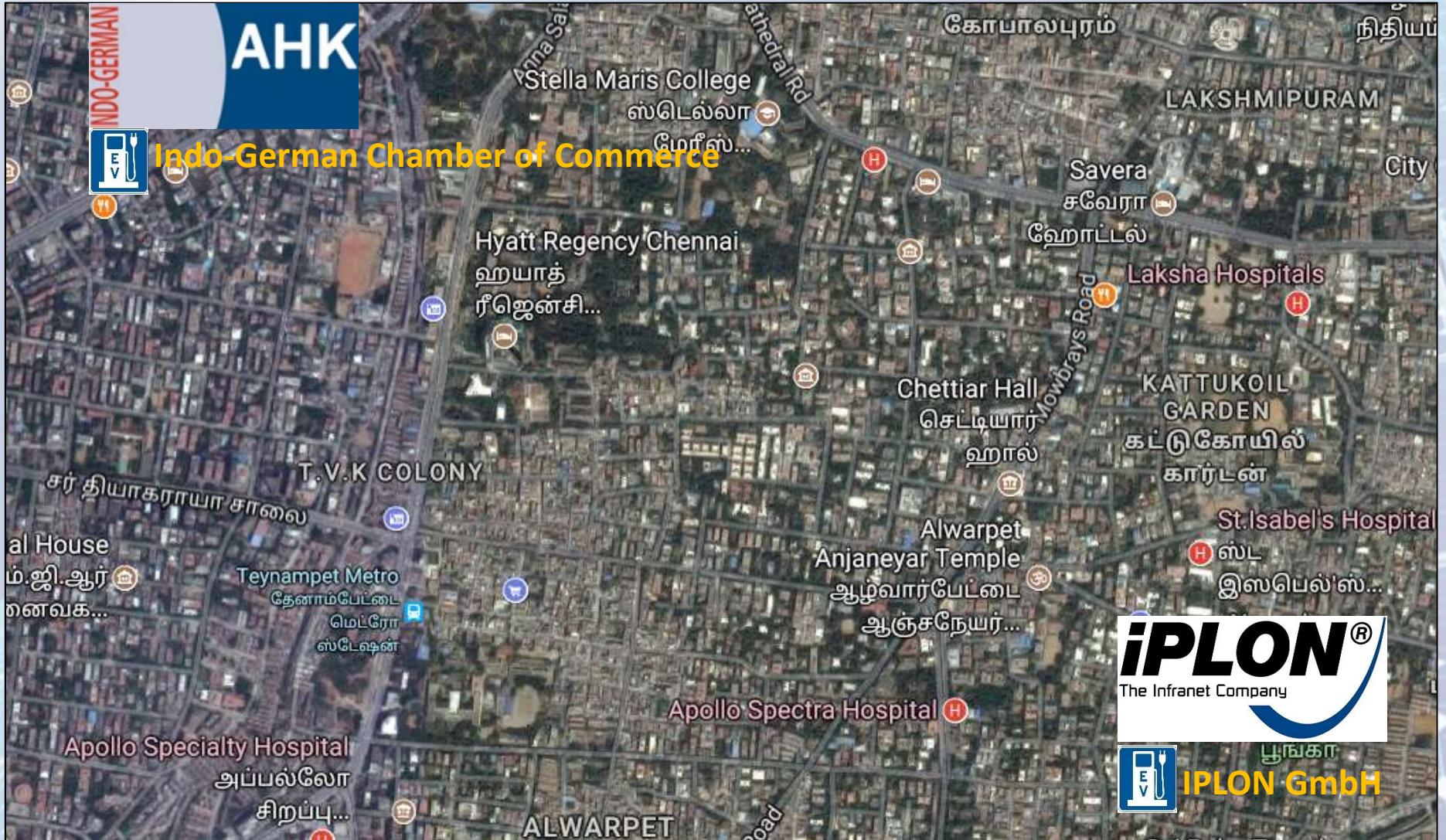
Charging Station



E- Vehicle

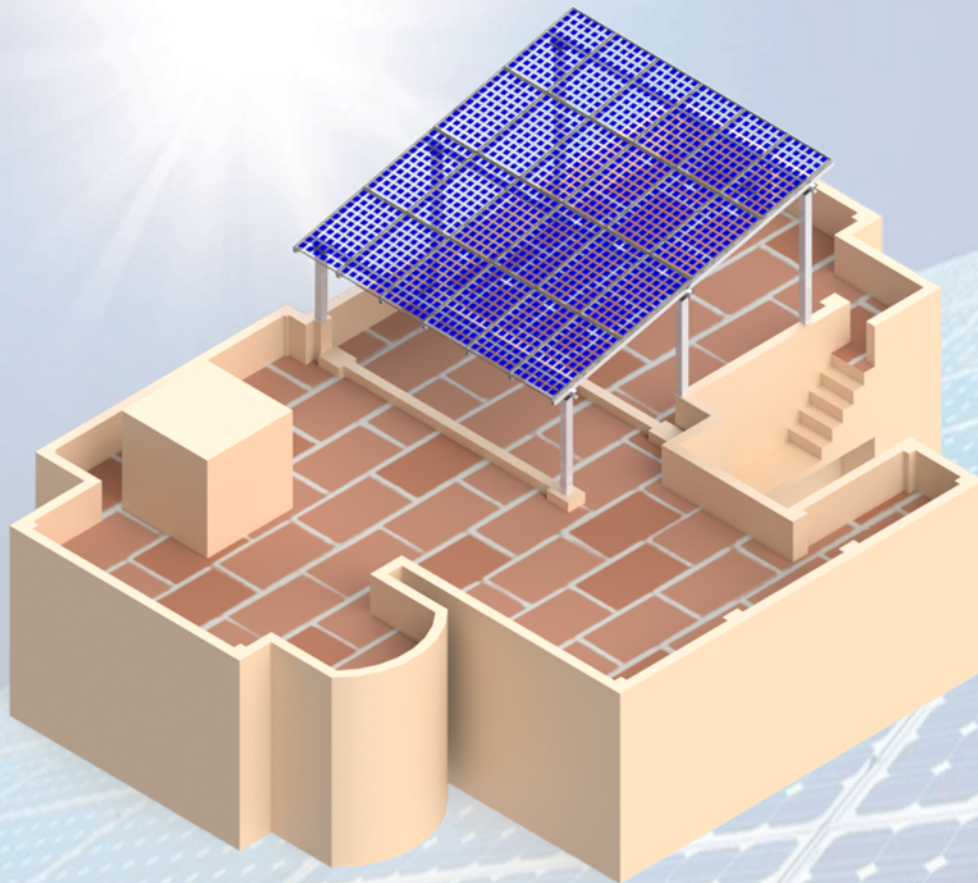


# E-Mobility Charging Locations



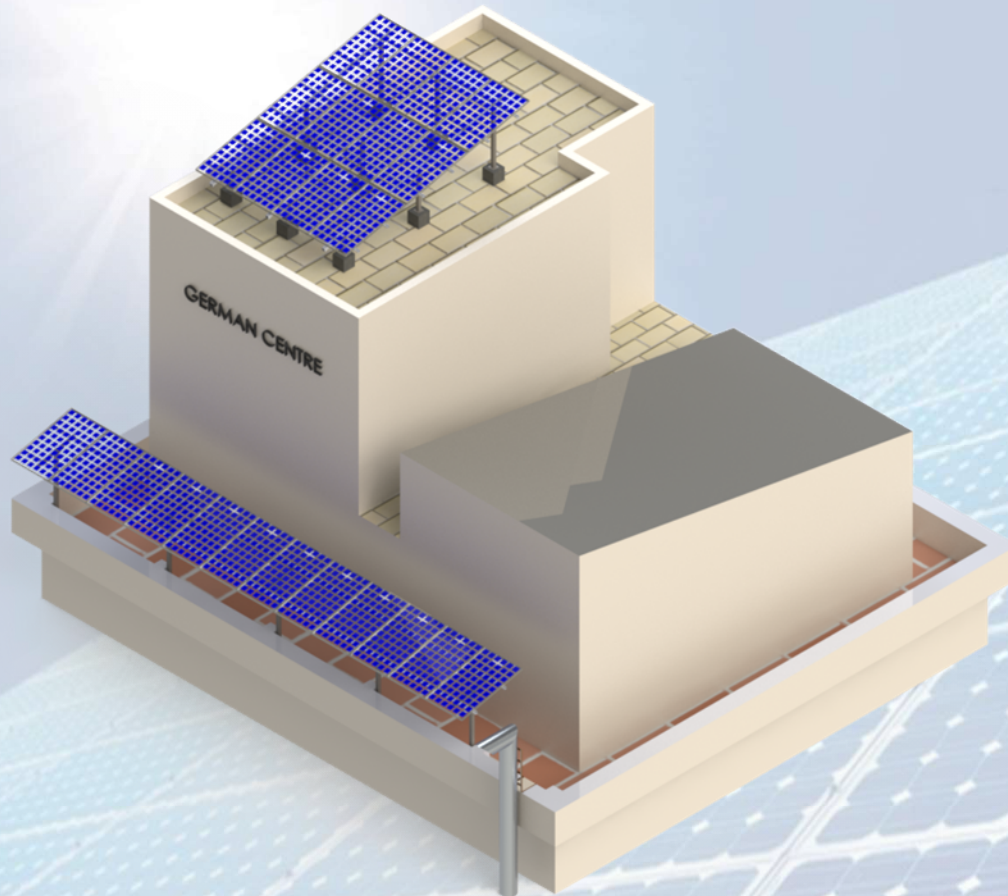


# IPLON Building



- System Size: 7.08 kWp
- Project Type: BIPV
- Avoided CO<sub>2</sub> p.a. : 9.66 tonnes(approx.)
- Annual Energy Yield: 10,620 kWh

## AHK Building



- System Size: 7.08 kWp
- Project Type: BIPV
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# SI- Enduro Solar Module 295Wp

Panel Wattage	295 W
Technology	Mono Crystalline
Maximum Power (Pmax)	295 Wp
Panel Efficiency	17.7 %

## Features Kostal PIKO BA

- Charge controller and inverter in one casing.
- 2 independent MPP trackers – maximum energy yields.

## Back up Unit

- Secure supply in case of power failure.
- Up to 18 hours of operation (with consumption of 500 W and fully-charged battery)



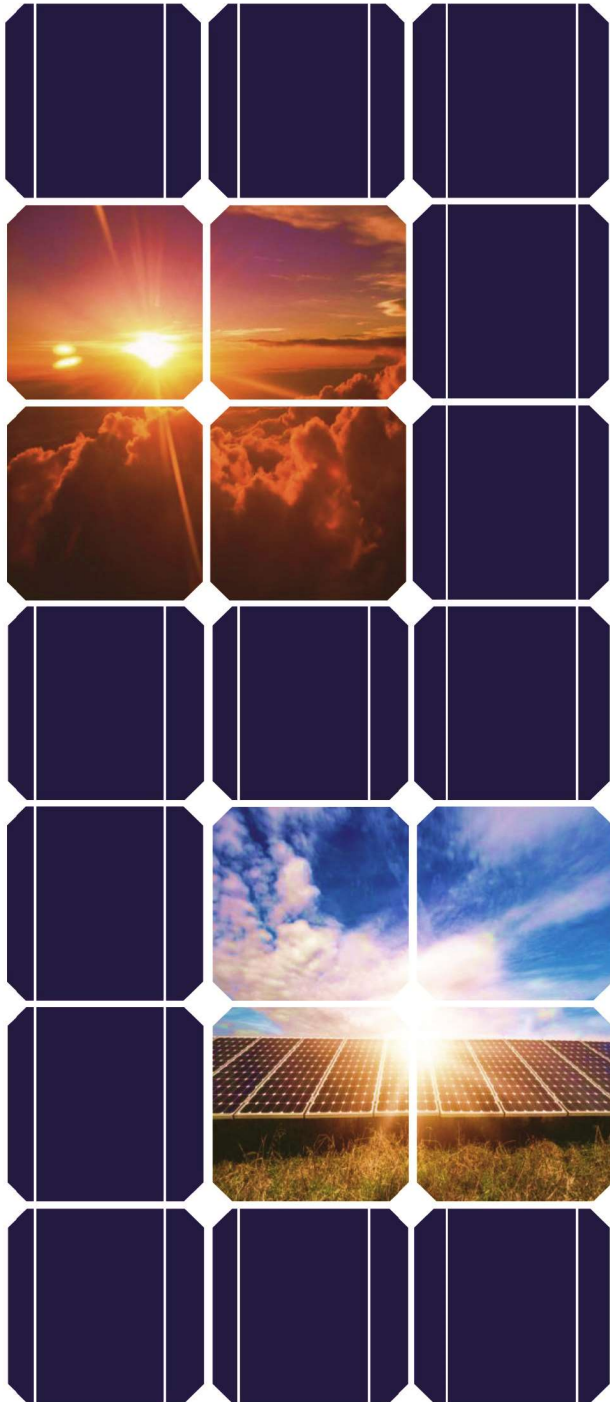
# Features PIKO Battery Li

- Battery type- Fortelion,  $\text{LiFePO}_4$ .
- Fortelion is one of the most powerful batteries available on the market
- Efficiency of Battery- 98%

# Government's Push for E-Vehicle

- A near-term 2020 target for getting at least 6 million electric vehicles on the road.
- Government's ambitious plan for a mass shift to electric vehicles by the year 2030.
- Government planning liberal norms for electric vehicle charging stations.
- **Government and private institutions that set up charging stations for captive use need not possess an electricity retailing licence**





Let's Explore  
and  
Win Together  
Thank You!!

