



Smart Solar Power for
Sustainable Growth



Innovation and its implementation are critical for every enterprise to stay ahead of competition. Likewise it is also imperative to bring new technology within the reach of common people. As an initiative by the veterans of Marketing & IT sector, Saikriti Techsoft Pvt. Ltd. (STPL) is a step towards an IT empowered future. The venture aims to provide end-to-end solutions for Home and Office Automation (i-control), Academy Management System (E-campus), Fast Internet (FTTH), Smart Entertainment (OTT), Digital Learning (LMS), Smart Solar (IPS) and IT by optimizing technology for every need. The mission is to change the way we work and live by taking the leverage of digital knowhow.

OUR OFFERINGS



Home & Office Automation

360° Automation Solution

Automating Homes and Offices with customized safety and energy saving through pre-programmable hardware/software solutions.



Academy Management System

Life Cycle Management For Educational Institutions & Students

Manage Safety, Attendance, Teachers, Library, Transport, Accounts, HR & much more of your institution through you smart phone/pc from anywhere in the world.



Fiber To The Home (FTTH)

Internet Uncomplicated

Optimizing the fiber network harness the full virtue of High-speed Internet to run IPTV, VOD, VOIP and resource hungry services smoothly.



Over The Top Content (OTT)

The Tech Savvy Entertainment Experience

Convert your TV/LED into a smart HDTV, ready to play any Internet AV content.



Learning Management System

The Ultimate Digital Learning Experience

Bring class rooms and subject specific knowledge closer to the students, virtually.



IT Solutions

Integrating Technology with Business

Providing smart and secure solutions to industries by developing softwares and optimizing networking dynamics.



Intelligent Power Solution

Smart Solar Power for Sustainable Growth

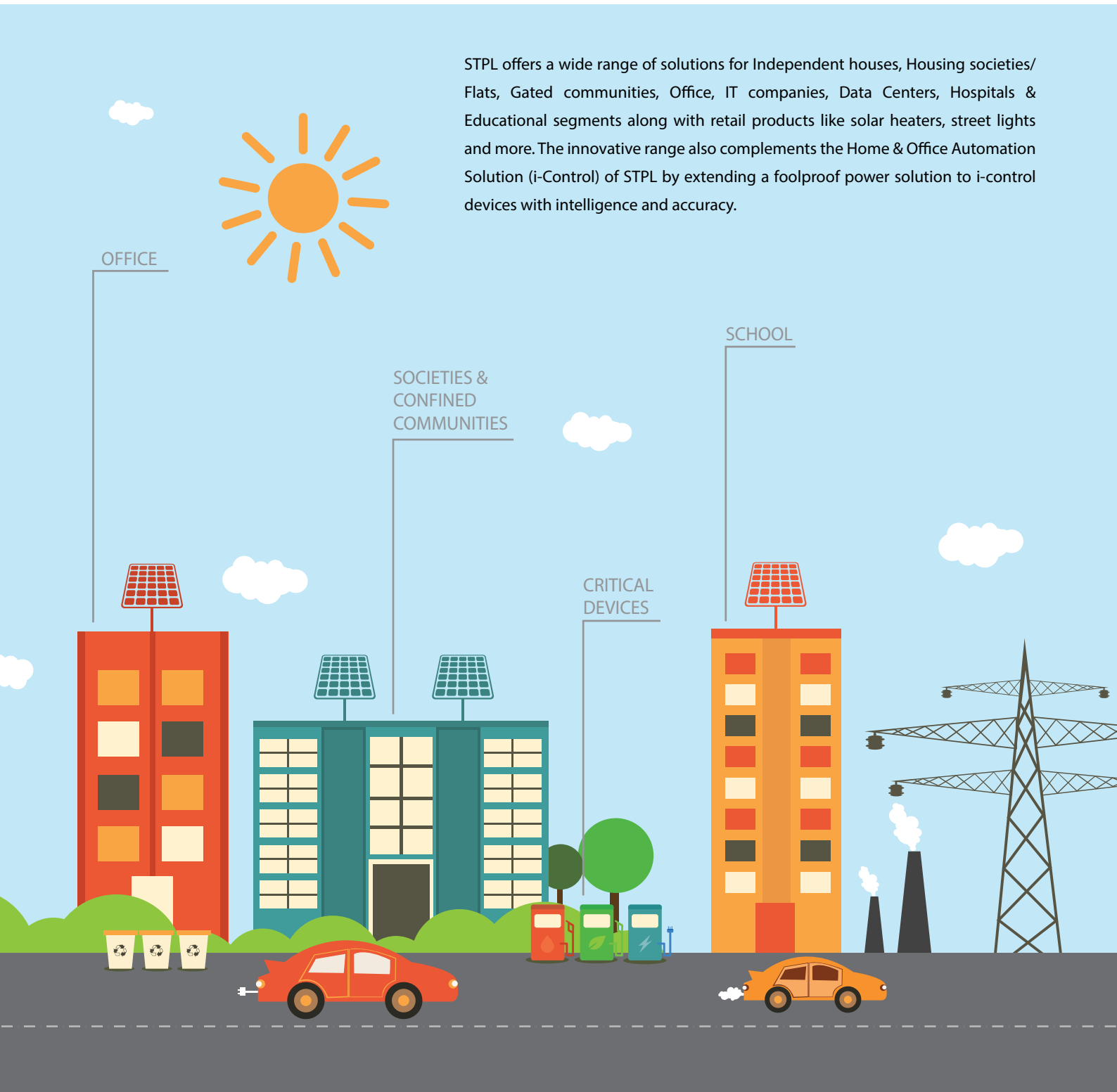
Switch over to renewable power to ensure uninterrupted service of devices.



Intelligent Power Solution

Intelligent Power Solution (IPS) of STPL is a smart solar power solution designed to cater smallest needs of homes as well as megawatt needs of industries and offices. This wing of STPL has been an outcome of the demand for uninterrupted power by various sectors & segments. STPL solar wing takes up every specific requirement with a vision. It comes out with a unique customized solution by understanding the core of actual need, contrary to others who offer pre-designed shelf products and require modifications and readjustments according to the product availability.

STPL offers a wide range of solutions for Independent houses, Housing societies/ Flats, Gated communities, Office, IT companies, Data Centers, Hospitals & Educational segments along with retail products like solar heaters, street lights and more. The innovative range also complements the Home & Office Automation Solution (i-Control) of STPL by extending a foolproof power solution to i-control devices with intelligence and accuracy.

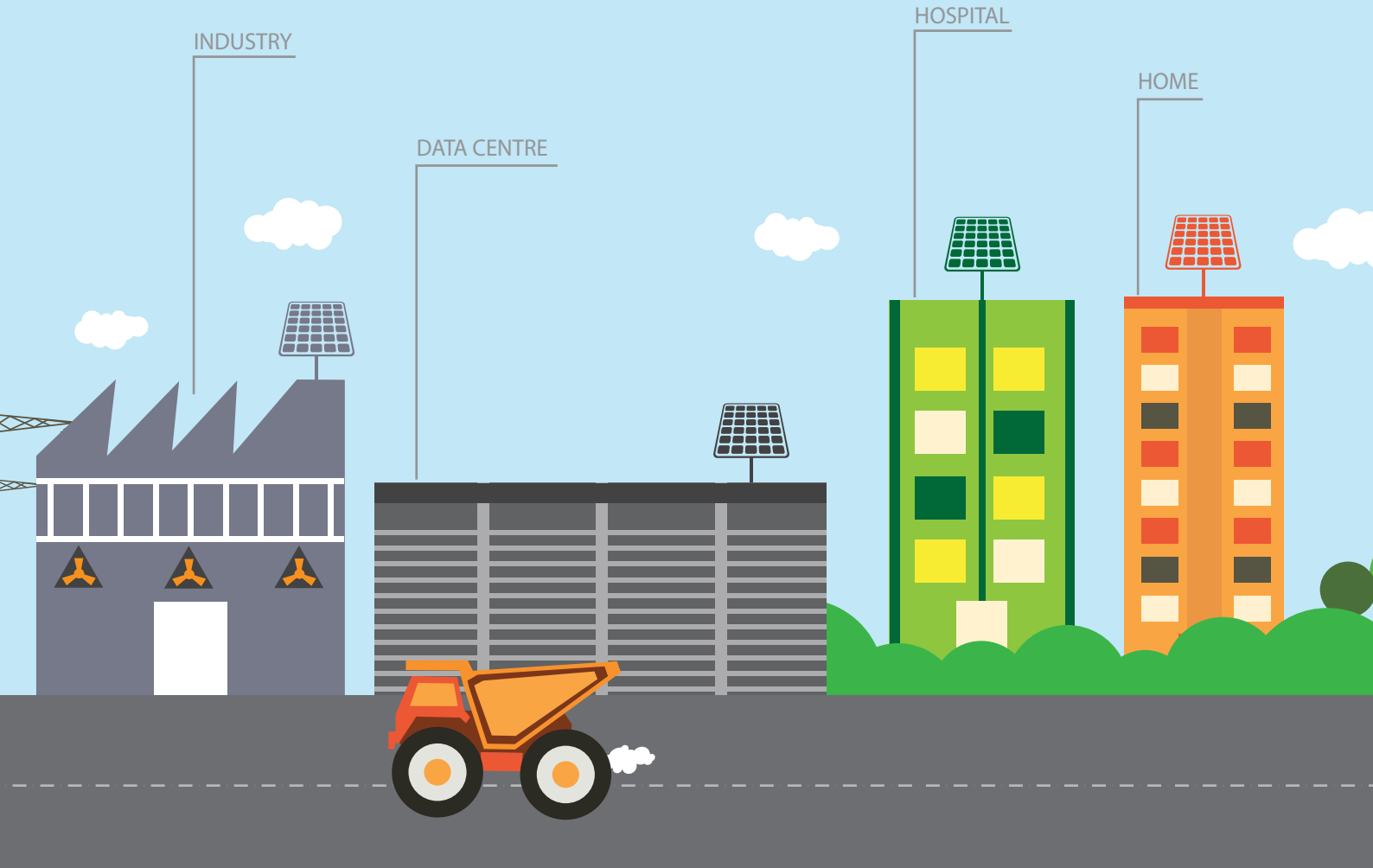
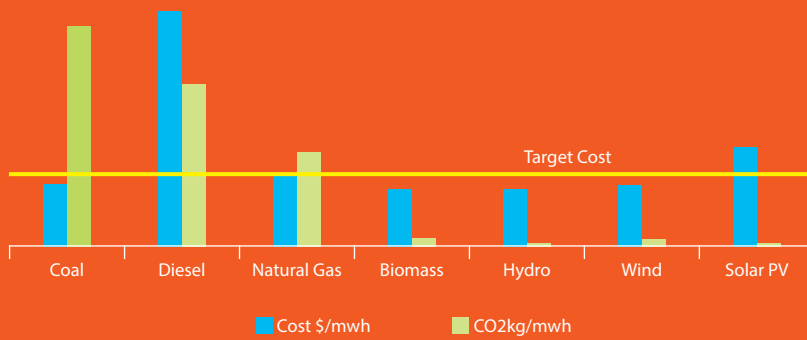


3 Way Intelligent Power Solutions

Intelligent Power creates a solar electric system that is also tied to the utility grid. The DC power from the solar array is converted into 120/240 volt AC power and fed directly into the utility power distribution system of the building. This power is "net metered," which means it reduces demand for power from the utility when the solar array is generating electricity – thus lowering the utility bill. The Intelligent Power automatically switches over optimally when utility power goes offline, protecting the functions of modern homes, offices, institutes and industries.



Electricity Cost & Carbon Dioxide Emissions per Kilowatt hour



IPS Product Line



Solar Hybrid PCU

Power Conditioning Unit (PCU) is an integrated system which consists a solar charge controller, inverter and a Grid charger to provide the facility to charge the battery bank through Solar or Grid/DG set. The IPS PCU continuously monitors the state of battery voltage, solar power output and the load. Once the batteries are optimally charged to the pre-set level, PCU cuts off the Grid/DG Power from the system and switches over the loads to the Solar Powered battery bank. After the battery gets discharged at certain level, the mains takes over charging. This process maximizes the use of solar energy and saves money and fossil power.

Solar Power Pack

Designed to provide electricity in homes/Industries, IPS Solar Power Pack provides electricity by converting solar radiation into electrical energy. This electricity generated from the array of solar panels is transmitted to a central controller called (PCU/ Solar Hybrid Inverter) which is connected to battery bank through which the electric load is connected to get desired electric output.



Solar Battery

Batteries in solar applications have to meet the demands of unstable grid energy, heavy cycling (charging and discharging) and irregular full recharging. Considerations for choosing a battery include cost, cycle life and installation and maintenance. Our Solar C-10 Batteries with 5 Years warranty with slow charging and slow discharging feature ensure great reliability on solar operation.

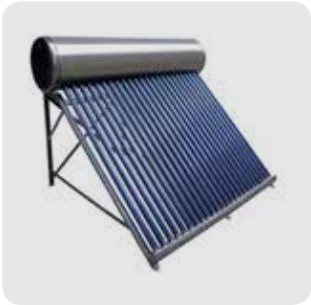


Solar Charge Controllers

A majority of Indian homes/offices already have inverters installed in them. But, due to insufficient grid electricity supply, especially during summers, the batteries do not get fully charged. IPS charge controller helps in charging battery using solar energy collected by Solar panels. MPPT Charge controller generates approximately 10% – 25% more power as compared to PWM charge controller.

- :: PWM charge controller 12V/24V auto selects 48V, 96V, 120V, 180V, 192V
- :: MPPT charge controller provides 12V/24V auto select for single/double battery
- :: 4 Stage battery charging – Deep discharge / Boost / Absorption / Trickle charging mode
- :: Protections – Battery overcharge, Reverse polarity, Temp. Compensated Charging





Solar Water Heaters

IPS Solar water heater is a cost-effective way to generate hot water for your home as well as for swimming pools. On average, solar water heater reduces the water heating bills by 50%–80%. Also, because the sun is free, you're protected from future fuel shortages and price hikes.



Solar Water Pump

Providing a substitute to power hungry rural areas of India, IPS provides a standalone pumping system which operates on power generated by solar photovoltaic modules which in turn, powers the DC submersible pump set and enables farmers and rural community to get water for lesser cost.

Solar Street Light

IPS street lights are efficient and robust equipments with low maintenance cost and extra durability. They are small in size and can start operations instantly without requiring any warm up period. IPS Street light range includes a pole, battery bank, photovoltaic module and LED or CFL luminaries.



STPL Solar Solution (IPS) at a glance:

- :: High efficiency, low running cost product
- :: Customizable product line with solutions suiting your budget
- :: Intelligence infused system with i-Control addition
- :: Usage based billing solution also available for high rise/gated communities
- :: Combo offers for Hospitals, Educational segment & Corporate
- :: Comprehensive service warranty option also available
- :: Project Management for Grid based solutions under time bound contract
- :: Special package for Petrol pumps & ATMs
- :: Sustainable solution for a longer period of time