

Taking Energy Forward

## Introduction

- **Glensol** is a project developer and provider of renewable energy solutions and services for public and private sector, delivering long term value through innovative systems, strategies and technologies.
- Energy moves our world. Economic Development and growth are determined by access to electricity. Solar is an abundant source of power and alternative cost effective energy solution to fossil fuels which is the leading cause of global warming.
- **Glensol Energy is your ideal partner in renewable energy projects.** We plan, develop and operate renewable energy projects for public and private sector. Our solutions diversify the energy portfolio, reduce dependence on traditional power systems and provide energy savings.





CLEAN ENERGY AT STABLE PRICES.  
THE VALUE PROPOSITION OF SOLAR

- Reliability with strong technology partners , Tier 1 module manufacturers and global EPC firms , we ensure project development with excellent cost- performance ratio.
- Strategic cooperation with investment and asset management firms with expertise in structured finance, capital markets enables us to deliver utility scale, distributed and off-grid PV solar projects
- Holistic Approach to solar energy across the entire value chain, from project development to financing, construction and O+M. This enables us to reduce the Levelized Cost of Energy (LCOE) and deliver a reliable system design.
- Credibility Evaluating our leading technology and innovative solutions , risk profile and financial standing, our partners can see a pattern of more value and less risk than competition.



## Project References



Location: Agrinio Greece , 3.1MW



Location: Trecasali, Italy, 6MW Phono Solar



Location : Larisa, Greece, Project Size: 1MW



Location : Larisa, Greece Project Size: 1MW



Location: Bolintin , Romania 1.1MW



Location : Greece, Carport

## Energy Services

### Power Generation – Buildings that generate their own energy

Residential and Commercial buildings can be the most suitable places for distributed energy generation. Renewable Energy and **Solar PV** generate electricity directly from sunlight and provide power for homes or businesses, schools and hospital or other institutions.

#### Residential, Commercial, Industrial

- Buildings that generate their own energy
- Reduce your energy costs
- Thermal and Acoustic insulation
- Bioclimatic Properties



Government



Commercial

Innovative **Building Integrated Photovoltaic's (BIPV)** combine active and passive properties with improved aesthetics and necessary energy efficiency that allow property owners to reduce costs. BIPV solutions are used for the replacement of construction materials from different parts of building's exterior such as skylights, facades, windows, or roofs.



Photovoltaic Skylight



Glass to Glass PV modules

### PV Power Plants – Utility Scale power generation

Glensol is your ideal partner to help you develop your renewable energy project. We plan, develop and operate solar PV parks for public & private sector. We work close with our customers to provide predictable and bankable power with the lowest Cost of Energy.

We can deliver a Levelized Cost of Energy (LCOE) between \$0,03 and \$0,10/KWh depending on irradiance levels, cost of capital, interest rates and other parameters such as development costs.

#### Our Solutions and Services :

- **Consulting**  
Comprehensive consultation and energy solutions tailored to your economic goals
- **Planning & Development**  
Project development maximizing energy output and reduced energy generation costs.
- **Finance options**  
Bridge finance or project finance offerings, BOT and BOO solutions .
- **Construction Support**  
We provide construction support, civil works and permitting , testing and commissioning.
- **Operations & Maintenance**  
Remote monitoring and supervision with SCADA, Preventive and Corrective maintenance .



## Hybrid Systems – Mini grids

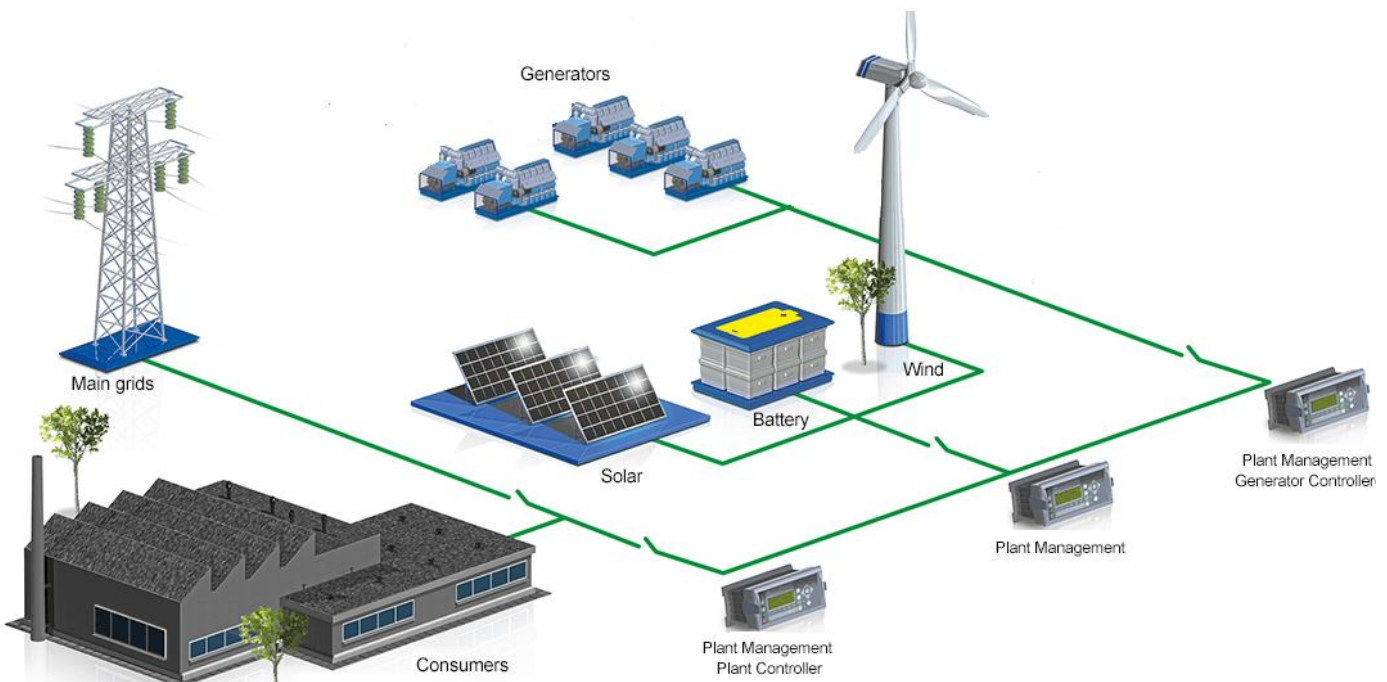
Solar is the new source of fuel that help us avoid power outages and increases energy efficiency. Places with unreliable public grids or remote areas difficult to connect to the grid, due to high investment costs to expand the local network, suffer from energy security. This has as a consequence financial losses to businesses such as mines, hotels, restaurants and malls or critical conditions for hospitals.

Glensol develops innovative **Hybrid PV Systems** that combine solar power with a fossil fuel engine generator as a secondary power source. The produced solar power reduces the load on the genset and eventually reduces fuel consumption. An ideal **Fuel Saver solution** for rural industries or communities. Adding a battery storage unit can reduce the fuel consumption even more .

### Fuel Saving solution for Commercial & Industrial sector

#### Mini grids for Rural electrification

- Independence from volatile fuel prices
- Reduce your total energy costs (LCOE)
- Increase energy access & security
- Combine different energy sources



## Energy Services

### Energy Efficiency

Energy efficiency and Renewable energy are the two pillars of sustainable energy policy. Nearly 40% of final energy consumption and 36% of green house gas emissions is in house, offices, shops and other buildings. We offer selected Energy efficiency and Power optimization solutions to reduce energy consumption and improve energy efficiency. Led technology for indoor and outdoor lighting, [Energy management](#) and [Energy storage](#) aim to deliver [sustainable solutions](#) for public and private sector organizations.

#### LED Technology

Led technology and products compared to halogen or fluorescent lights are considered as an energy saving alternative for commercial or residential applications. The advantages are :

- Long lasting , eco friendly , energy saving a 15/20 watts to replace a 100 watts incandescent
- Reduce maintenance costs : DIM LEDs to extent lifetime
- Maximize design options
- Better and more comfortable visual environment



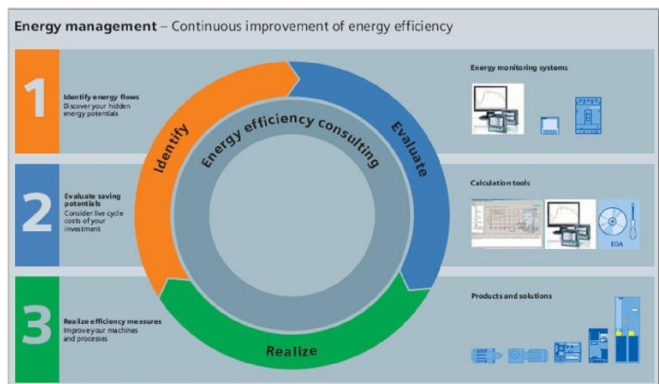


## Energy Management

Energy management systems (EMS) are used by individual commercial entities to monitor, measure, and control their electrical building loads. Energy management systems can be used to centrally control devices like HVAC units and lighting systems across multiple locations, such as retail, grocery and restaurant sites. Energy management systems can also provide metering, sub metering, and monitoring functions that allow facility and building managers to gather data and insight that allows them to make more informed decisions about energy activities across their sites.

Optimize operations to reduce cost

- Improving energy utilization per unit of production output
- Lowering manufacturing risk
- Speeding time to market
- Reducing costs of quality and compliance

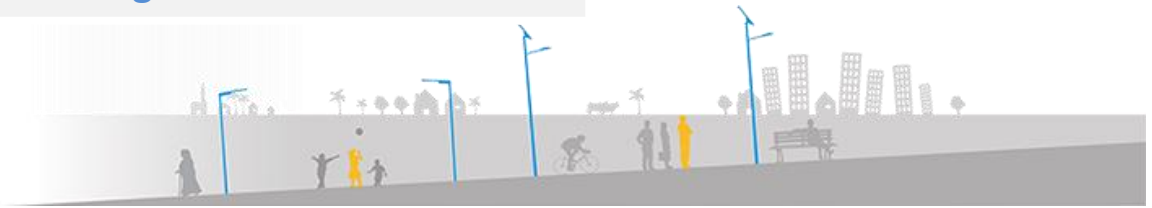


## Energy Management and Storage

Energy management unit that is suitable for integration in both new and existing photovoltaic systems. It combines the inverter, batteries and the photovoltaic system into one compact system. Controlled by a SMART ENERGY MANAGEMENT SYSTEM (SEMS), Phonocube makes it possible for photovoltaic system owners to use PV electricity for their own requirements not only during sunlight hours but also at times of less light; such as in the morning or evening. Electricity produced by the photovoltaic system can be consumed directly, stored in the batteries or fed into the public grid



## Smart Living - Sustainable Cities



### Smart Solar Streetlight

A unique concept for simple, sustainable and energy efficient street lighting.  
Innovative high performance **LED** lights that provides the best ratio of Lumens / Watt  
Ideal solution for streets, car parks, squares, pathways or remote area lighting



### Smart Solar Lighting

Various designs that bring light everywhere



### Smart Grids

Smart grids powered partially or entirely by solar energy

**Smart solar streetlight** with optional motion sensor is an intelligent outdoor lighting system that provides powerful lighting into an all in one compact design ,no wires easy to install  
Solar off grid Lighting solutions are a cost effective way to bring high-quality lighting to places where currently there is no connection to the electricity grid or other reliable source of power.

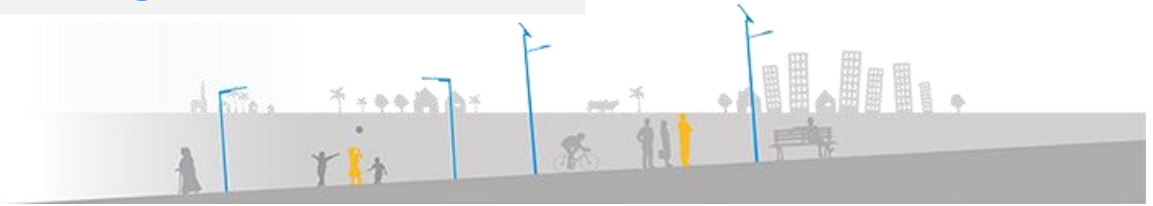


Solar street / park lighting



Solar Bollards

## Smart Living - Sustainable Cities



### Solar Smart Mini Bench

A smart bench, Wi-Fi spot and mobile phones charging station, powered exclusively by solar energy. An ideal solution for parks, playgrounds, shopping centers, campuses and public places.

Powered by solar energy

Storing energy for days when there is no Sunshine and during night

Advanced air quality sensors

USB charging ports, wireless charging

Free WiFi

Branding surface

The image shows a white, rectangular solar smart mini bench with a black solar panel on top. On the side, there are USB charging ports and a branding surface. The bench is shown from a three-quarter perspective.

### Smart Mobility - Charging stations - Solar carports - E Mobility

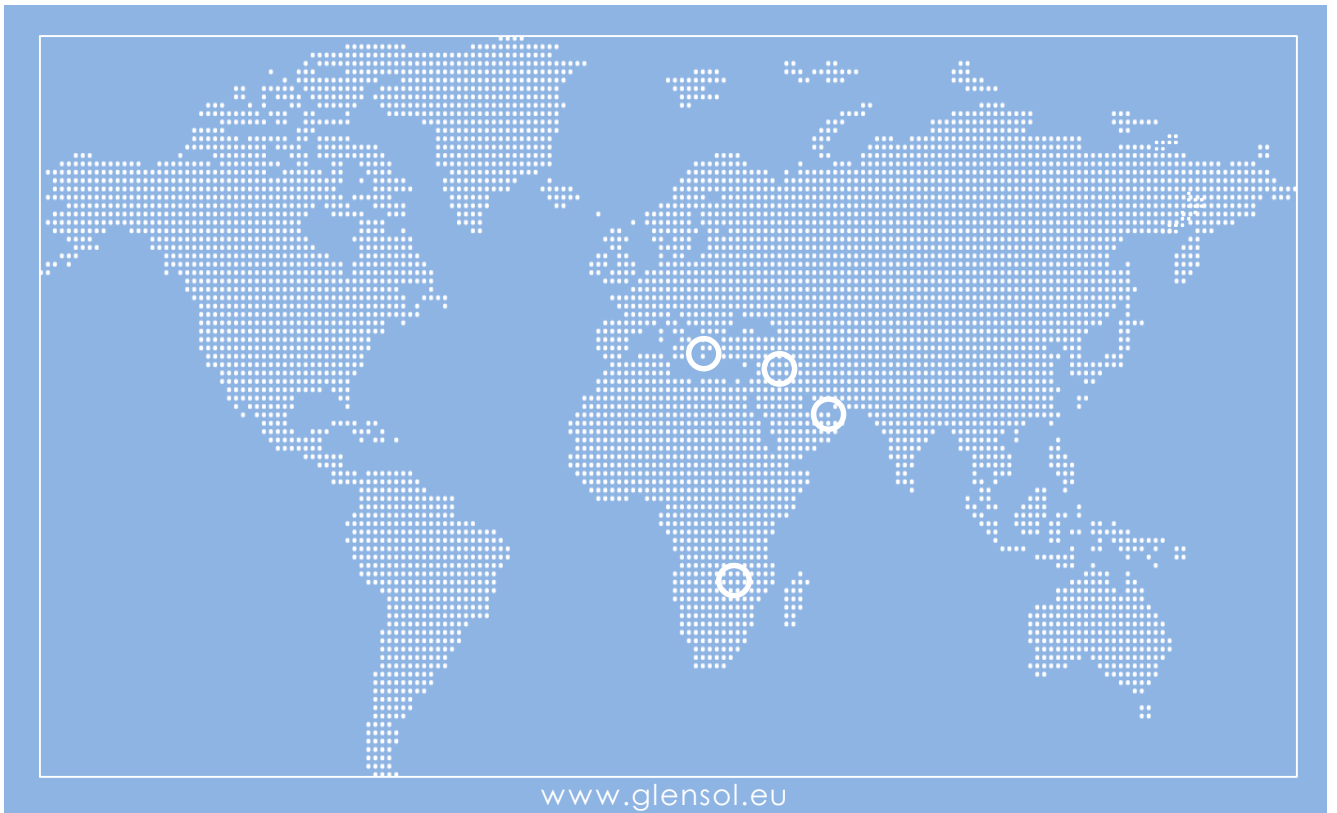
The mobility of the future is electric. No matter if electric cars, e-scooters or e-bikes, reducing CO2 emissions we are making an important contribution to environmental protection.



- EV charging stations



- Clean power generation with solar carports



Clean Power at stable prices with top quality system components

**Glensol**  
green · safe · clean energy