

THE SUN[☀] SENDS NO BILL

www.energyintel.com.cy



PHOTOVOLTAIC SOLUTIONS

ABOUT US

Solar energy is our industry and power. We at Energy Intel are happy and proud to work with the highest **energy source available**. Since our inception back in 2005, we have been encouraging people all over **our world** to realize this and to make solar energy a natural part of every building and every consumer. Remember! Our world is blessed with Huge reserves of **Solar Energy**. At Energyintel we are constantly adding value and creating solutions that get the most out of the sun. We can utilize Solar energy to generate heat, for cooling, and to produce hot water and electricity. And best of all, we can even merge these different outputs into one solution.

IT'S THAT EASY...

They say that nothing ever comes easily, true; but NOT any longer. At EnergyIntel Group we are working hard to make it easy for our clients to deal with solar energy through us.

EFFICIENT AS EVER...

The continuous efforts from our engineers offer solutions that break new ground in **energy efficiency**.

THAT SOMETHING EXTRA...

As a client of **EnergyIntel Group** you can always expect us to add something extra to create more value to our solutions. We want **YOU and everyone** to experience that our product range not only does what we promise, but also surprises by always delivering beyond your expectations.



WHY SOLAR ENERGY IS SUCH A HOT SOLUTION

With every new sunrise, solar energy is conquering new territories. More and more people have discovered that the sun offers the best solutions in the world, for hot water preparation, room heating and electricity. When you think about it, there is nothing strange about it at all.

ENVIRONMENT:

Solar energy generates no pollution, is efficient and makes no noise. It avoids the exploitation of nature and helps save our planet!



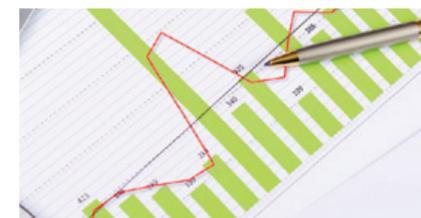
INDEPENDENCY:

An efficient solar energy solution will give you the opportunity to gain independence from the traditional energy supplier, and help you to keep energy costs at a low level.



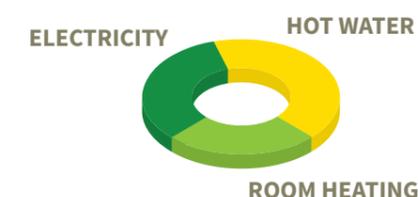
ECONOMY:

Once installed, the energy you get from a solar solution is free. The more the prices of oil, gas and other non renewable energy sources increase over time, the bigger the savings.



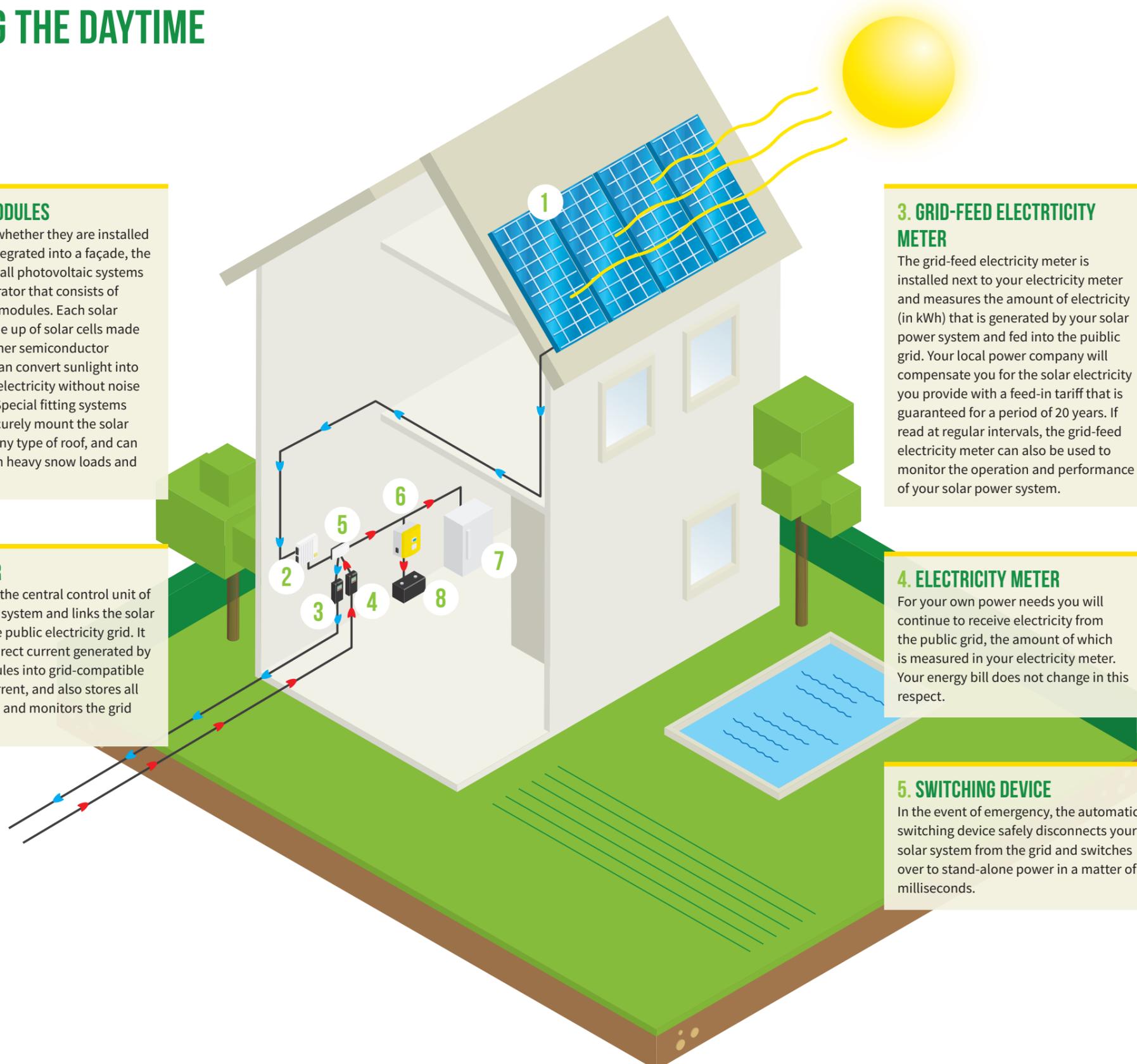
HIGH POTENTIAL SAVINGS WHEN PHOTOVOLTAICS ARE COMBINED WITH HOT WATER AND ROOM HEATING

In general 1/3 of household's energy costs come from Electricity and the 2/3 come from hot water and heating. A combination of photovoltaic and solar thermal solution could cover the majority of the needs and offer the highest potential savings.



THIS IS HOW A PHOTOVOLTAIC SYSTEM WORKS

DURING THE DAYTIME



1. SOLAR MODULES

Regardless of whether they are installed on a roof or integrated into a façade, the centerpiece of all photovoltaic systems is a solar generator that consists of multiple solar modules. Each solar module is made up of solar cells made of silicon or other semiconductor material and can convert sunlight into direct current electricity without noise or emissions. Special fitting systems are used to securely mount the solar generator on any type of roof, and can withstand even heavy snow loads and high winds.

2. INVERTER

The inverter is the central control unit of a photovoltaic system and links the solar modules to the public electricity grid. It converts the direct current generated by the solar modules into grid-compatible alternating current, and also stores all operating data and monitors the grid connection.

3. GRID-FEED ELECTRICITY METER

The grid-feed electricity meter is installed next to your electricity meter and measures the amount of electricity (in kWh) that is generated by your solar power system and fed into the public grid. Your local power company will compensate you for the solar electricity you provide with a feed-in tariff that is guaranteed for a period of 20 years. If read at regular intervals, the grid-feed electricity meter can also be used to monitor the operation and performance of your solar power system.

4. ELECTRICITY METER

For your own power needs you will continue to receive electricity from the public grid, the amount of which is measured in your electricity meter. Your energy bill does not change in this respect.

5. SWITCHING DEVICE

In the event of emergency, the automatic switching device safely disconnects your solar system from the grid and switches over to stand-alone power in a matter of milliseconds.

6. BACKUP INVERTER

The backup inverter supplies 230V grid power during power outages and powers all electrical loads with solar electricity until the power grid comes back online. It also features intelligent battery and load management to ensure maximum battery life.

7. YOUR EMERGENCY POWER SUPPLY

A backup-system switches automatically to grid independent power supply in case of power outages. The switching process lasts only a few milliseconds and important electrical loads such as heating control systems or refrigerators are powered with almost no interruption.

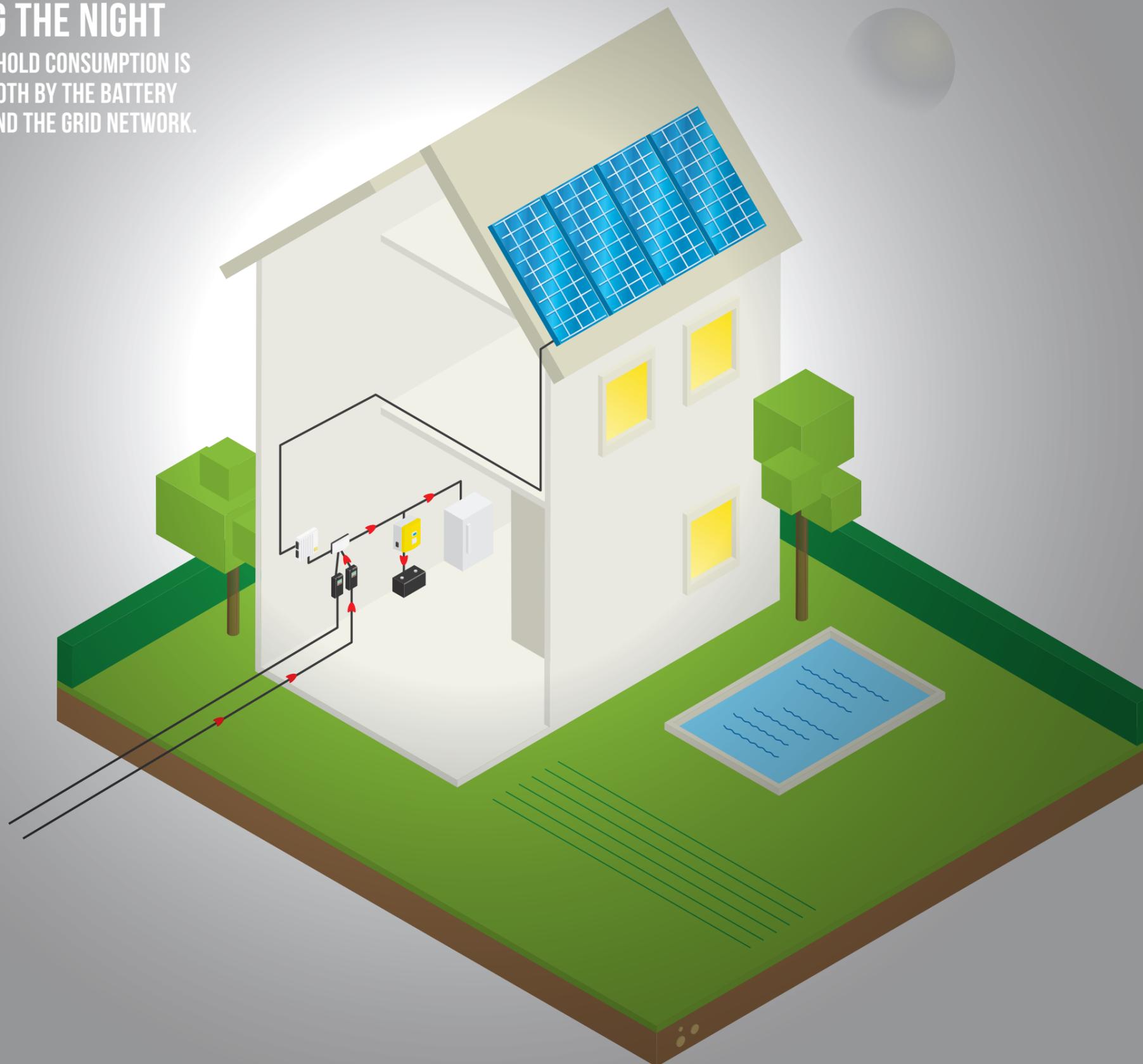
8. THE BATTERY

Since the battery is integrated into the solar power system, it can be designed compactly and manufactured at a low cost. Normally the battery is only used as a nighttime power source. During the day all electrical loads are powered with energy from the solar power system. We only use high-quality batteries with long service lives in our systems.

THIS IS **HOW** A PHOTOVOLTAIC SYSTEM WORKS

DURING THE NIGHT

THE HOUSEHOLD CONSUMPTION IS COVERED BOTH BY THE BATTERY RESERVE AND THE GRID NETWORK.



GREAT SAVINGS IN JUST A FEW EASY STEPS

1. IDEA

You are looking for a new efficient electricity solution and are struck by the idea of using solar energy because it is smart to save money and to protect the environment.



2. CONTACT

You contact EnergyIntel at info@energyintel.com.cy so that you can get the best and most effective installation right from start.



3. MEETING

Our engineer pays you a visit to have a closer look at your needs and what would be the optimum solution for you and your household.



4. PLANING

Our engineer will analyze and measure to decide which installation is the best for you. The installer is specially trained to make these calculations.



5. OFFER

Our engineer will provide a quotation on the installation, and you will be informed about the necessary investment for your future savings on energy consumption.



6. INSTALLATION

Our installation team begins the work of installing the EnergyIntel solution outside as well as inside your building.



7. AFTER SALES SERVICE & SUPPORT

support@energyintel.com.cy



**WE CAN OFFER SOLUTIONS
FOR ANY NEED,
FROM INDIVIDUAL HOMES
TO LARGE PARKS!**

**IT'S TIME TO BE
SMART!**



GET INFORMATION:

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