



جرين انيرجي
GREEN ENERGY

الحلول المستدامة
Sustainable Solutions

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1. BACKGROUND OF THE FIRM.



Green Energy is a Kuwait-based energy conservation & sustainable solutions provider established in 2009. It serves governmental, industrial, residential and commercial sectors by accommodating the rising demand for energy through its green solutions.

Mission:

“To be recognized as a national leader in providing Utility Conservation services and Solutions. Our team strives towards customer satisfaction. This is best manifest through their commitment to rapid response to customers requirements and needs.”

Value proposition:

- understanding the customer needs.
- creating a relationship.
- initiate innovative solutions.

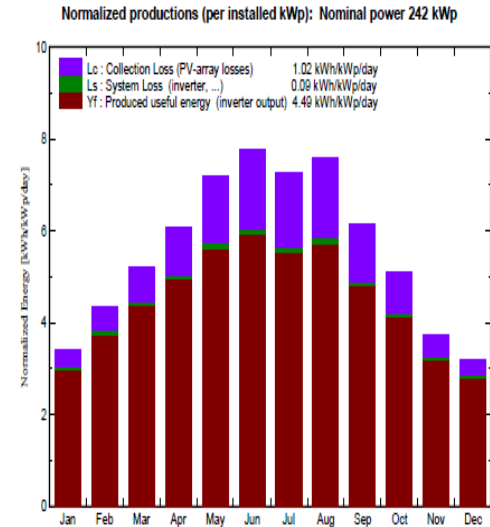
2. DESCRIPTION OF PRODUCTS AND SERVICES.

Renewable Energy.



- Design, SPV solar system based on Client requirements.
- Conduct site survey and site condition assessment.
- software simulation (shading analysis and PV sys)
- Engineering (SLD, Cable Sizing, Battery sizing, etc..)
- apply and install Testing and Commissioning apply international standards through specialized team.
- Maintenance and system performance monitoring.

***Reference: 2MW Grid Tied System with 23 Building installed at Roof Top.



2. DESCRIPTION OF PRODUCTS AND SERVICES

LED Lighting.

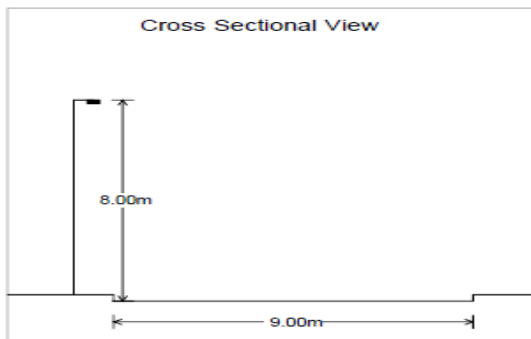


- Design, Supply and install LED Lights (AC).
 - Urban lighting. (Streetlights, Floodlights, High bay)
 - Indoor lighting. (Offices and Commercial).
 - Explosion Proof.(Oil & Gas)
- Design LED Solar System (DC).
- Apply Software simulation to calculate required LUX through (Dailux and Relux).



Layout

Cross Sectional View



Road Data

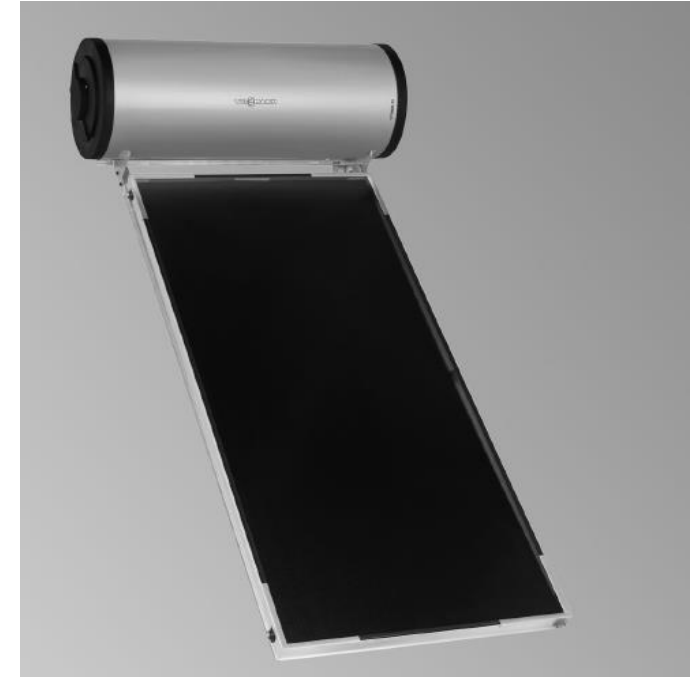
Calculation Grid	EN13201 Luminance
Width (m)	9.00
No. of Lanes	3
Road Surface	R2
Q0	0.07
Lane Width (m)	3.00
SR Width (m)	4.50

2. DESCRIPTION OF PRODUCTS AND SERVICES

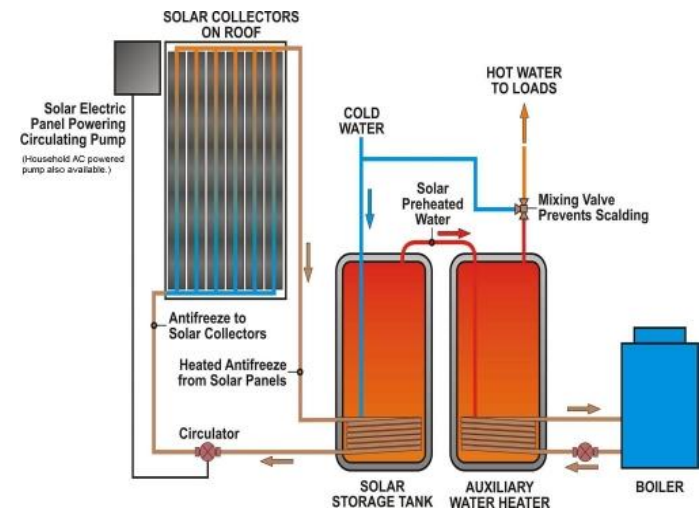
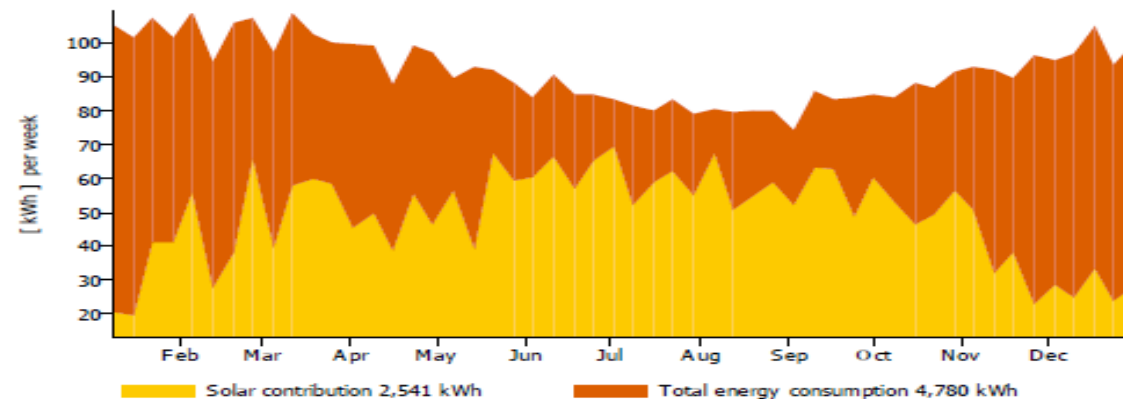
Solar Water Heater



- Design, Supply, install & Commission Solar water heater based on client requirements.
- Apply software simulation to the proposed system.
- Site survey the location and take required measurements for the plumbing system.



Solar energy consumption as percentage of total consumption



2. DESCRIPTION OF PRODUCTS AND SERVICES

Smart Meter System



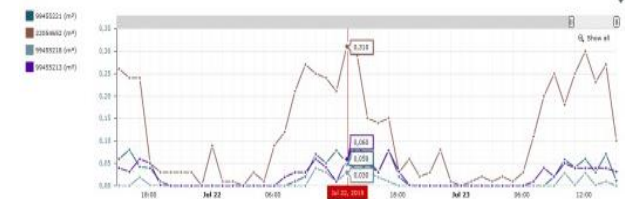
- Design, supply and install smart meter system.
- Provide Billing services as a third-party provider.
- Provide energy auditing and management solution.



Software for energy data Management & Billing.



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2295368	0.43	0.88	0.87	0.11	0.1
9855515	0.43	0	0	0	0
9855516	0.43	1.490	0.051	0.08	0.04
2295369	0.28	0.20	0.23	0.20	0.7
9855517	0.430	0.85	0.88	0.84	0.801



2. DESCRIPTION OF PRODUCTS AND SERVICES

1- SMART METERS.

We offer BTU Meters which are an ultrasonic compact energy meters designed for measuring the energy consumption in cooling application, for billing purposes. Ultrasonic technology offers many benefits:

- No moving parts (prevents wear and tear of the metering components).
- Low pressure loss.
- Large metering dynamics and low start flowrate.
- Insensitiveness to suspended particles.



Made in Germany

2. DESCRIPTION OF PRODUCTS AND SERVICES

Building Efficiency



- Design, Supply and install Building Efficiency solutions .
 - Motion sensors.
 - Occupancy sensors.
 - Infrared sensors.
 - Co2 Sensor.
 - Cold Storage.
- Apply simulation to reach the optimum design.



2. DESCRIPTION OF PRODUCTS AND SERVICES

Motion Sensors

Higher, further, faster. Infrared motion detector IS 3360 for indoors and out, ideal for watching over high spaces and large areas.

Live life conveniently and save energy too. More quality of life, more safety and security and more energy saved with intelligent sensor technology from STEINEL.

Light ON / OFF – automatically.
Highly innovative sensors respond to movements and light levels, automatically switching the light ON and OFF again after a preselected time.



Made in Germany

2. DESCRIPTION OF PRODUCTS AND SERVICES

AERATORS

MIKADO* Aerator

The MIKADO aerator turns the water stream into an eye-catcher when washing your hands.

Saving water and energy

The integrated PCA® technology enables a virtually constant flow rate of 0.35 gpm (approx. 1.3 l/min) regardless of pressure fluctuations.

** While the best built-in taps aerator available in the market have a flow of 4.5L/Min.

** With less warm water being used, the energy needed to heat it is saved as well.



2. DESCRIPTION OF PRODUCTS AND SERVICES

Elec. Vehicle (EV)Charger.



- Design, Supply and install EV. Chargers and Stations
- Approved Technical Team with Diploma Certificate.
- We Serve our Clients with Both AC & DC (Fast) Chargers.



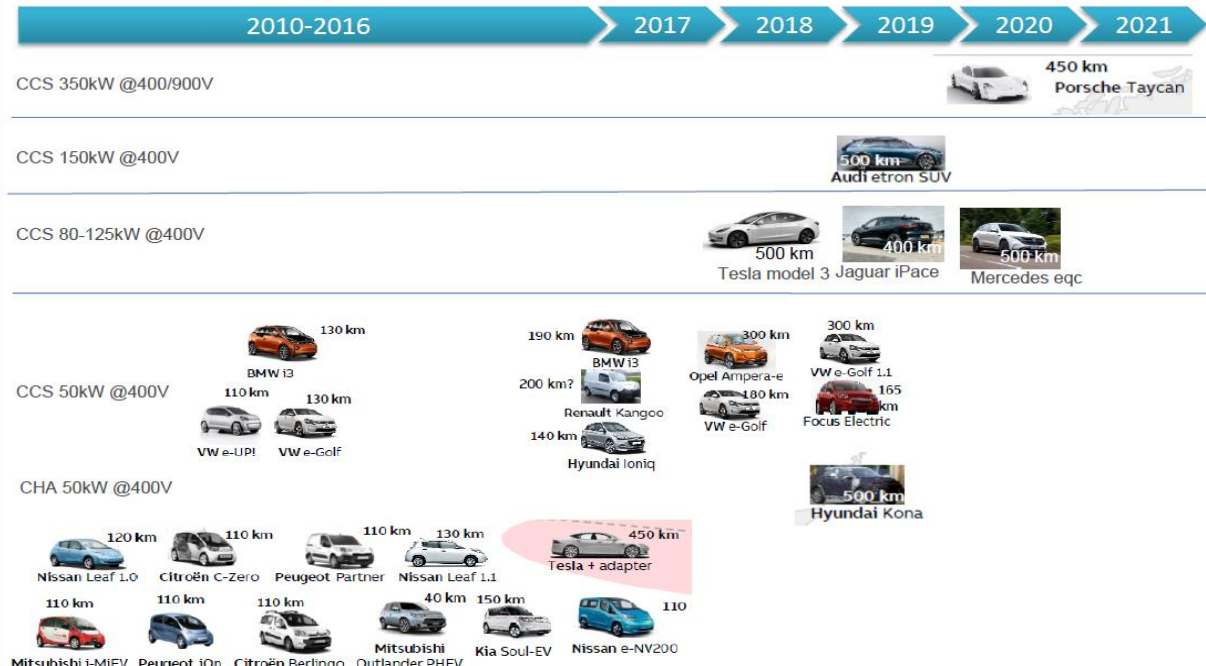
2. DESCRIPTION OF PRODUCTS AND SERVICES

EV CHARGERS

- EV Cars are becoming more common every day, and forecasts show that they will be a strong reality sooner than later.
- Forecasts show sales of electric vehicles increasing from a record 1.1 Million worldwide in 2017, to 11 Million in 2025 and then surging to 30 Million in 2030.
- By 2040, 55% of All new car sales and 33% of the global fleet will be electric.



HPC EV CHARGING EVOLUTION

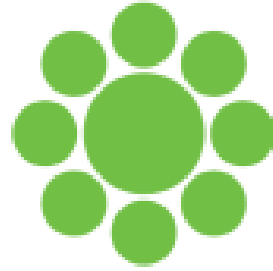


3. SOME OF OUR MAJOR CLIENTS.



الشركة الكويتية لنفط الخليج (ش.م.ك)
Kuwait Gulf Oil Company (K.S.C)





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Thank you