

Renewable Energy Profile

Murad Khalil Hamdan Est

Part of KHKSCO GROUP





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KHKSCO Established in 1990 specialized in exporting industrial and electrical parts, industrial control panels processing units, industrial automation panels, electrical distribution, industrial cranes supply and maintenance of electrical and mechanical parts Study, design and implementation of the solar energy systems

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G R O U P

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Renewable Energy

We are a leader in the field of autonomous energy and energy saving solutions. design, study , integrate , distribute , install and maintain solutions for production and energy savings in Africa and the middle east

Followed the direction of service, innovation, responsiveness, expertise mindset that contribute to our success. we work directly with manufacturers we represent renowned partners to ensure the best delivery time and price

Our solutions consist of leading brands of products in their fields to guarantee reliable and efficient systems with you, we define the technical and functional response best suited to your needs



Energy Saving Solutions

We will be close to 10 billion in 2100 on land and energy consumption then exceed the planet's capacity for renewal. We are a leader in the field of autonomous energy and energy saving solutions .

We design, study, integrate, distribute, install and maintain production solutions and energy savings in Africa and the Middle East.



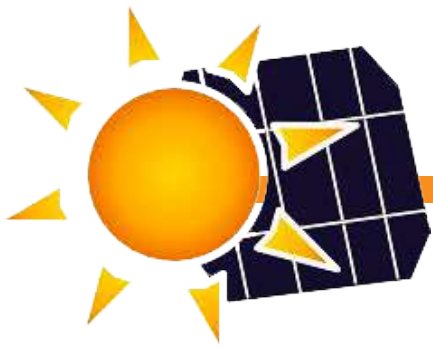
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Our Principales

Every day KHKSCO & EPS supports and advises clients in the realization of their projects on the following principles:

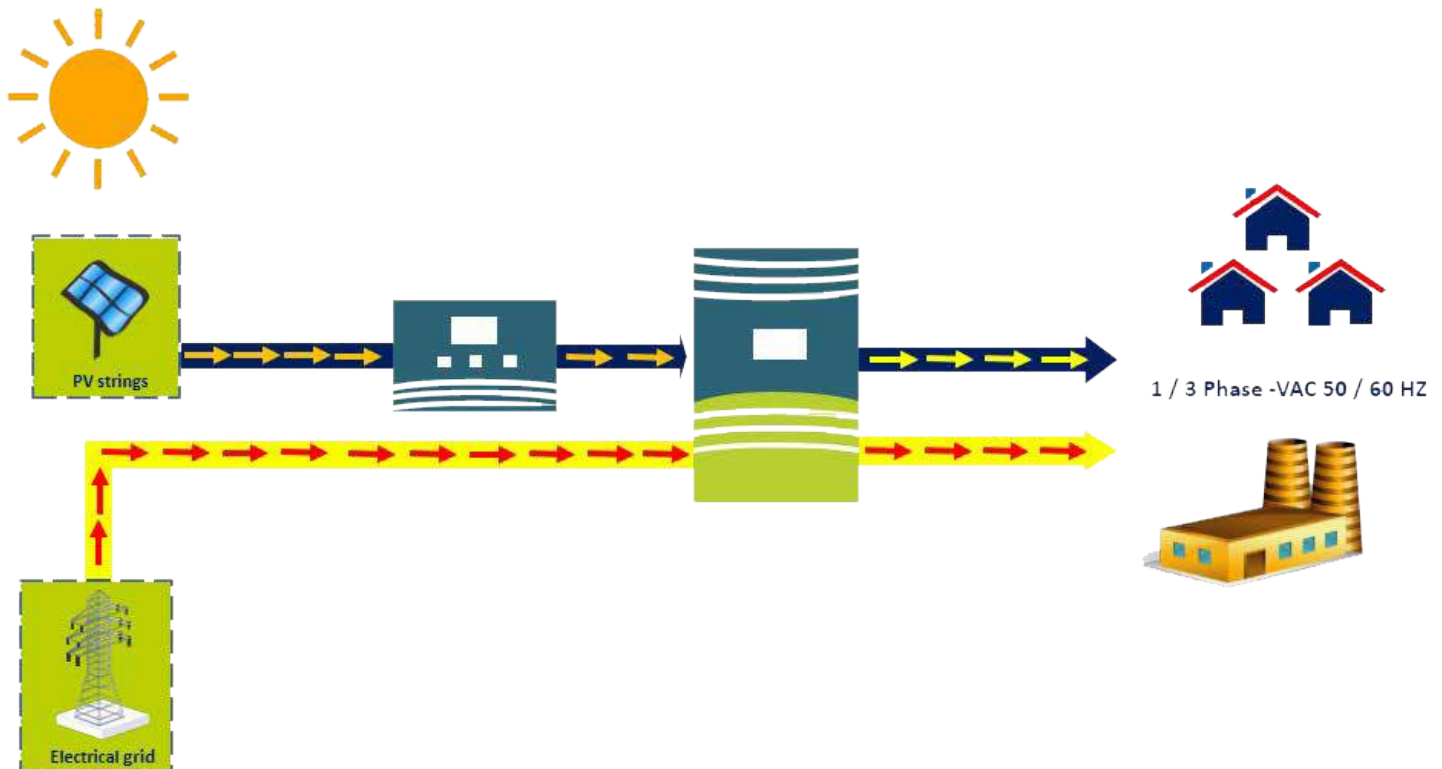
- 1- Needs assessment and project constraints
(Required power, use Time, Location).
- 2- Dei.ning solution. to the needs
- 3- Sizing surfaces installed and available surfaces
- 4- Sizing necessary expenses of powers.
- 5- Sizing energy conversion elements.
- 6- Introducing the most appropriate and most e..ective solutio.

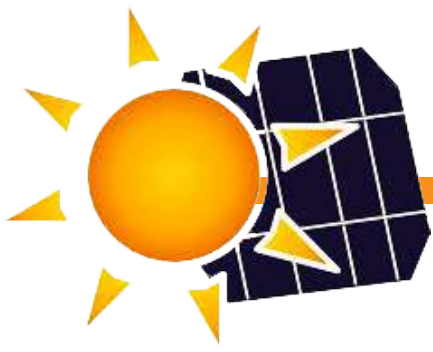


Hybride self consumption

The self consumption is ideal for countries or the injection rate in the network is not yet adopted. The system is the same as the connected to the network without much inject the remainder.

This solution can save up to 80% for Load in day time .
and 40 % if the loads (in day time & Night)



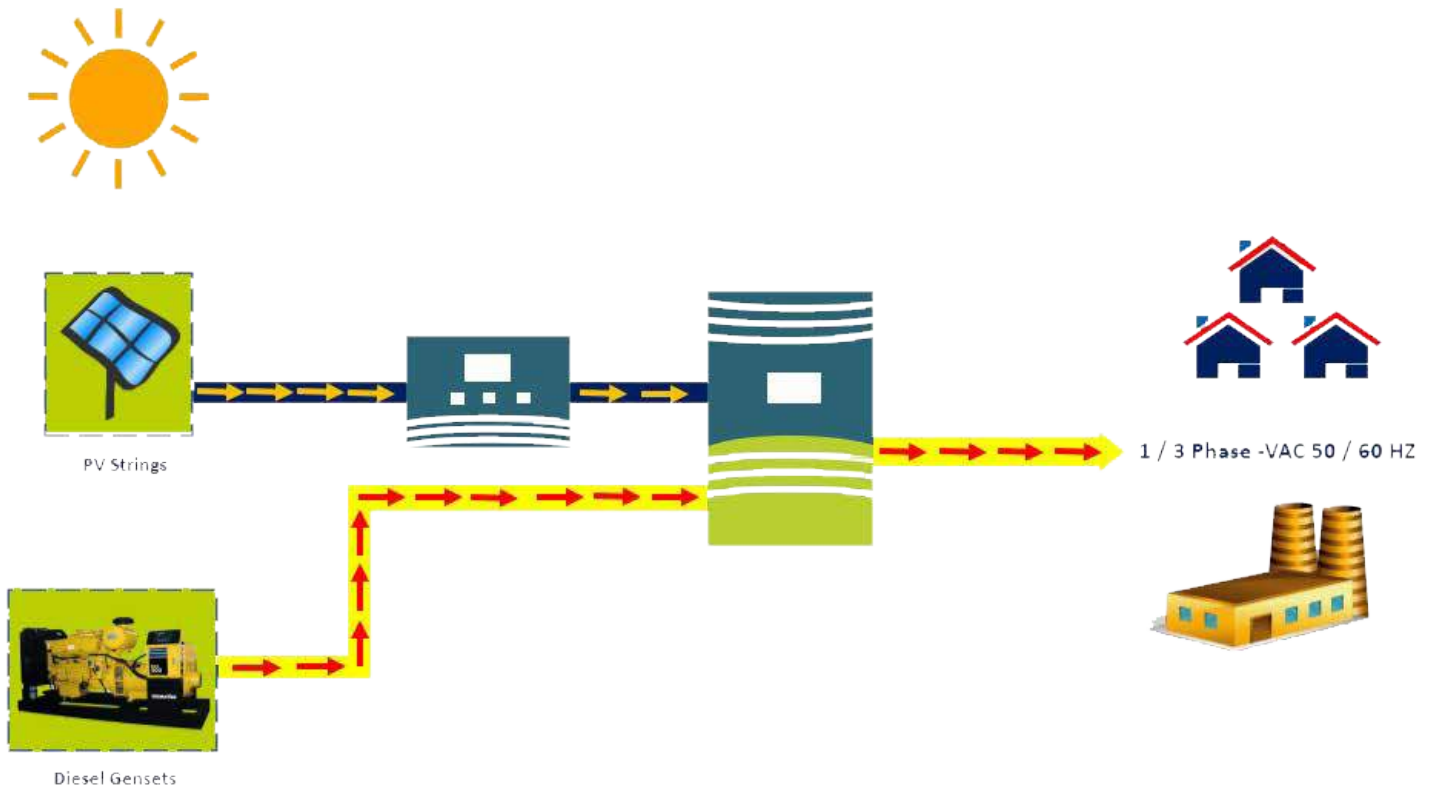


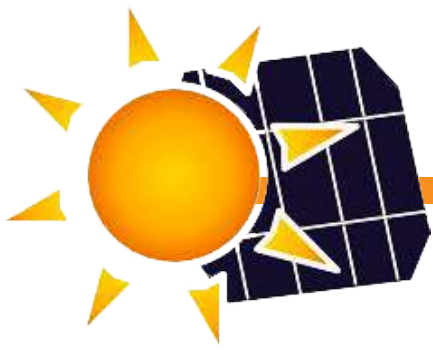
Hybrid Solutions for Diesel Generator

The Fuel Save Solution provides a share of photovoltaic energy corresponding to 60% of the installed power generating set.

The solution optimizes the operation of the generator with a reduction in consumption by using photovoltaic's .

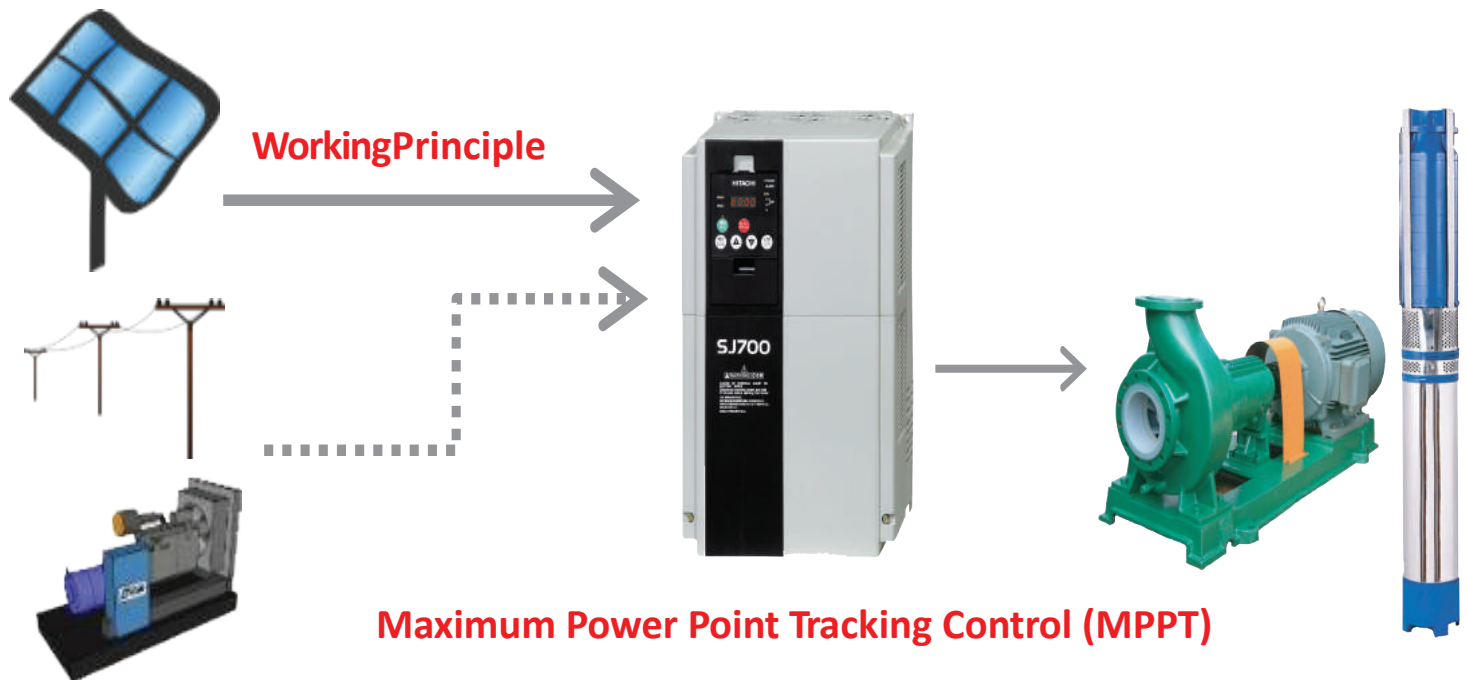
This solution does not require batteries. It can save up to 30 % energy.

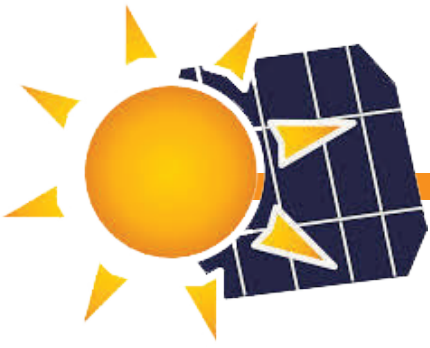




Hitachi Solar Water Pumping System

"Solar water" is to capture solar energy through photovoltaic panels to generate electricity that powers an electric pump to ensure the water drainage. The system is called over sun that is to say without storage battery. This solution is valid for single and three phase pumps. Power can range from 0.75kw to 250 Kw. Possibility of network entry makes the hybrid solution .

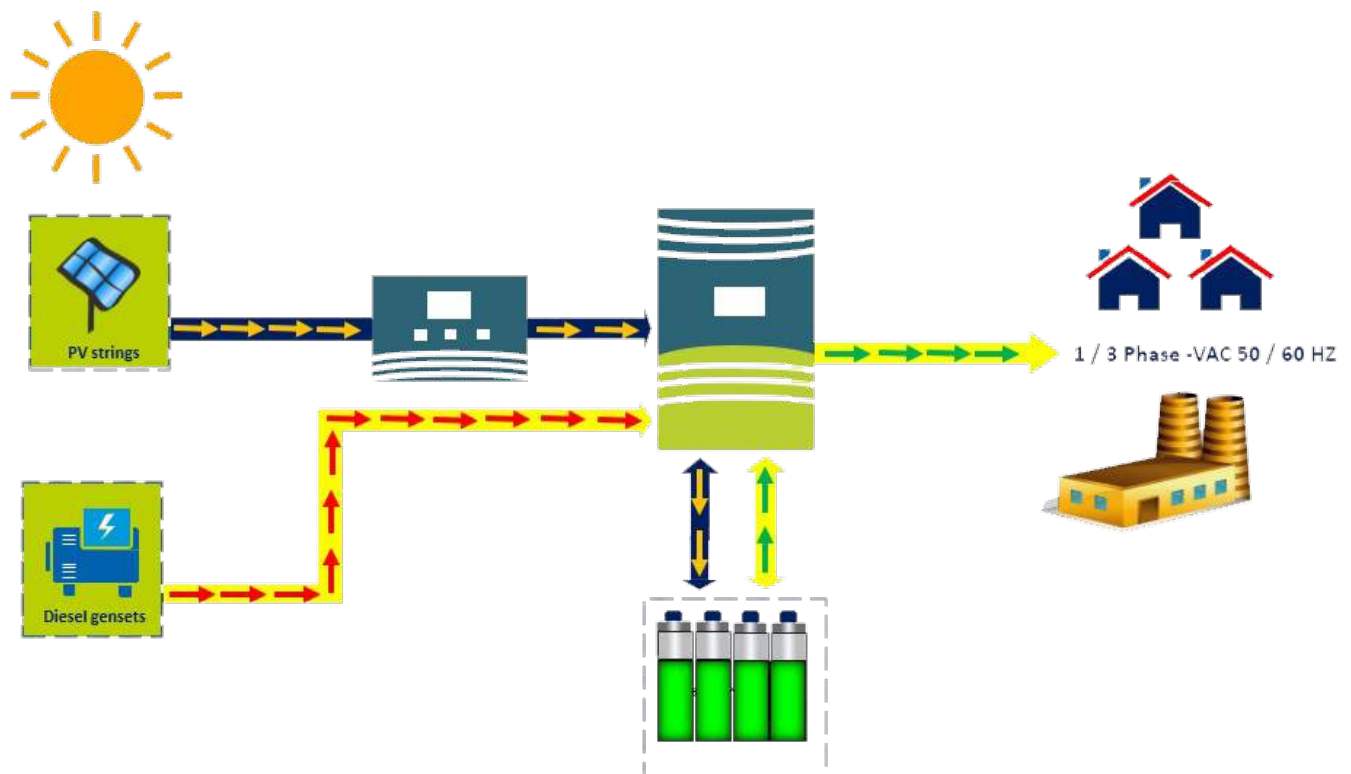


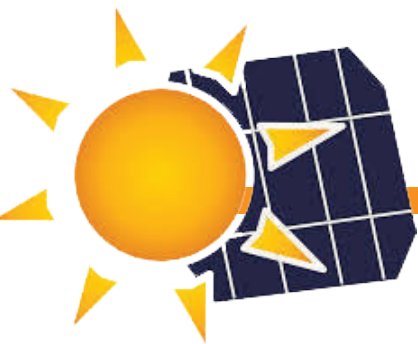


OFF GRID Hybrid Solutions

The solution for autonomous hybrid site is composed by several energy sources

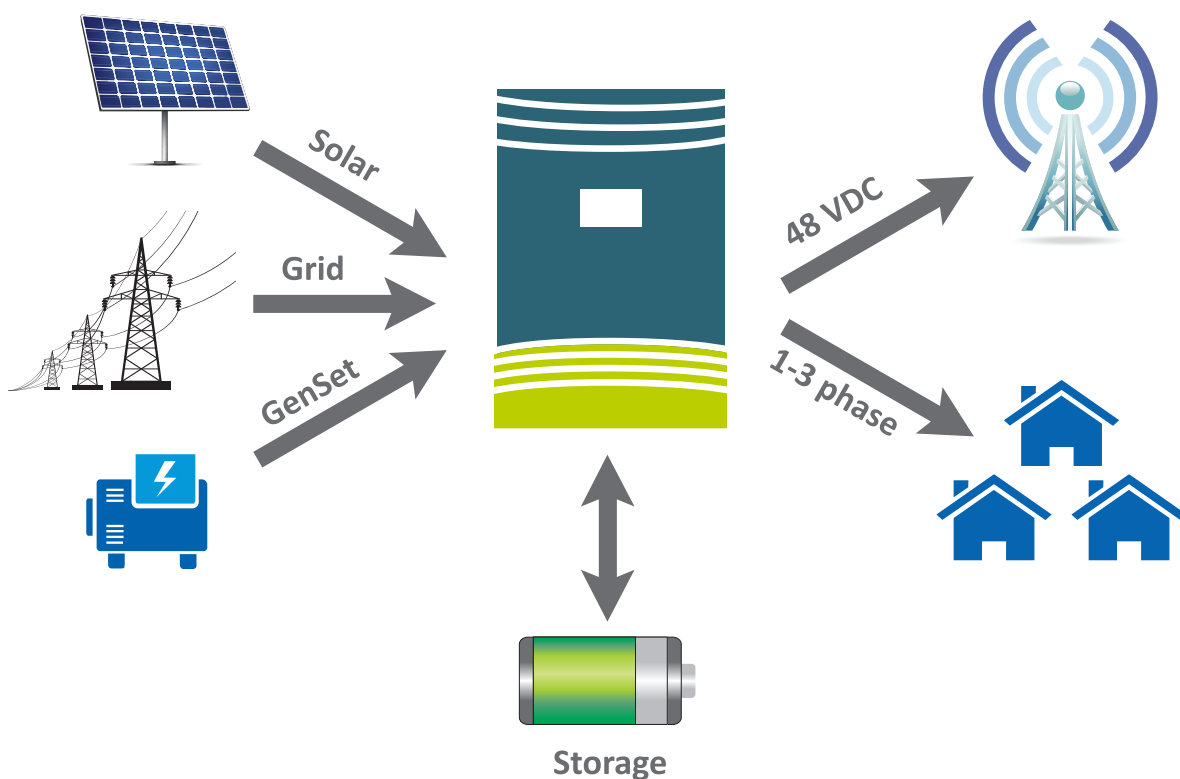
- Photovoltaic
- Public network
- AC Generator
- Wind turbine

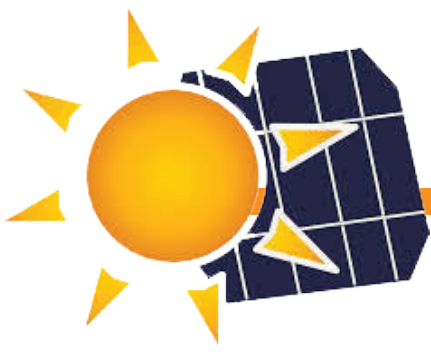




Solar Backup Solution

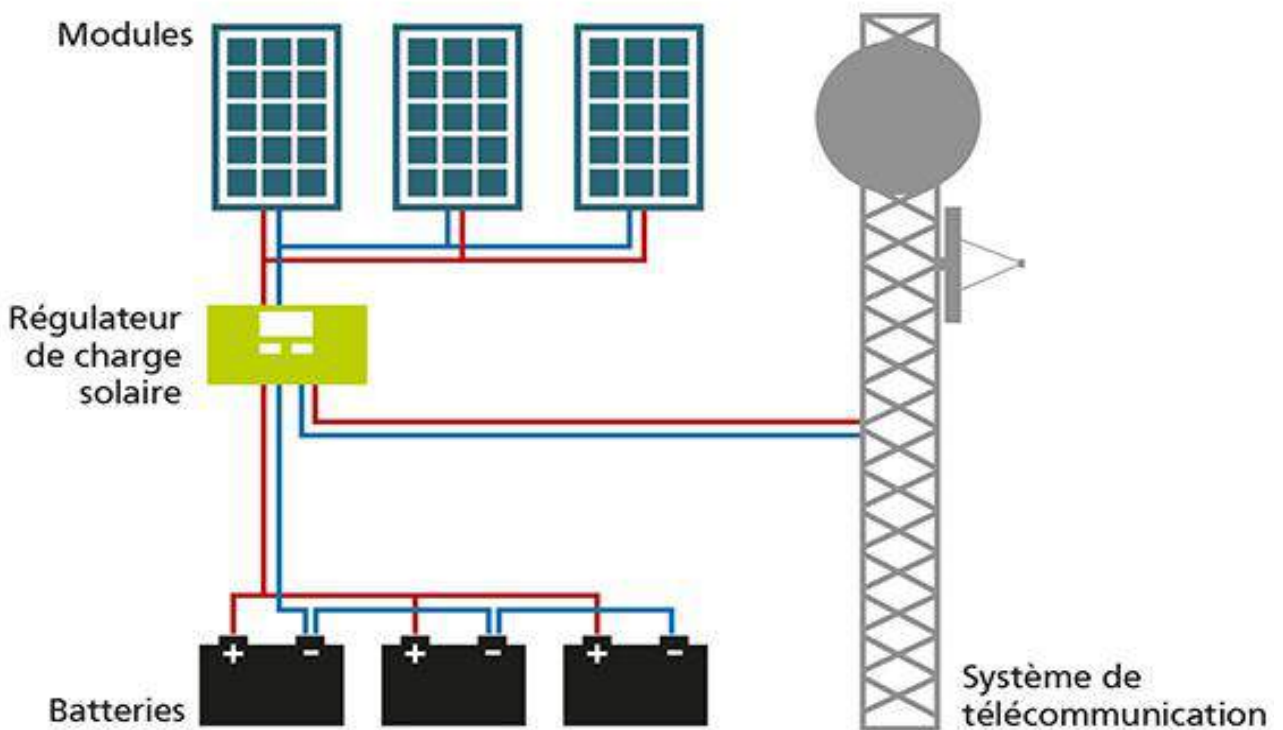
The solar backup solution is ideal in areas where the public network is very disturbing or there are lots of cuts of electricity. It is a solution connected to the public network with a spare battery with power. One can in this solution adopt the solar panel or not. This solution is valid for both single phase and three phase

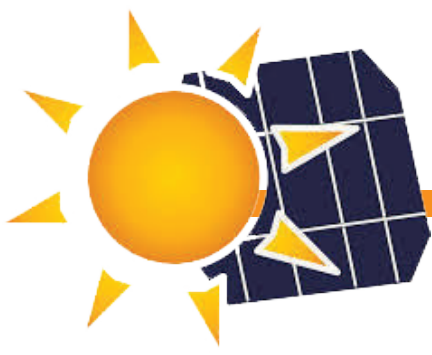




Telecom Solution

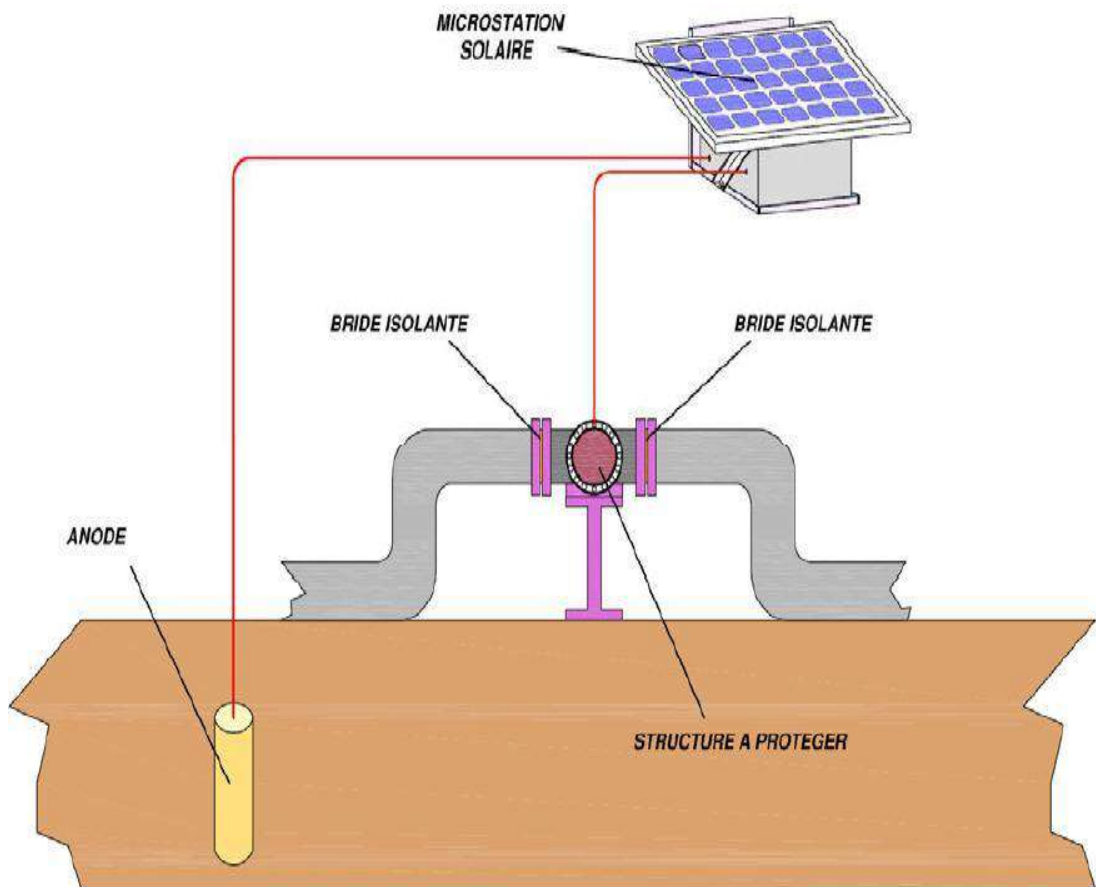
Photovoltaic systems provide electricity for GSM and radio relay stations throughout the year and without downtime . The photovoltaic effect provides most of the energy through the .optimum quality of the equipment used

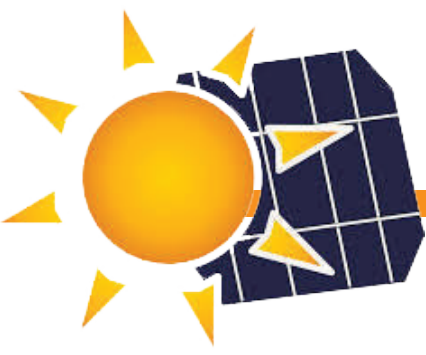




Cathodic Protection

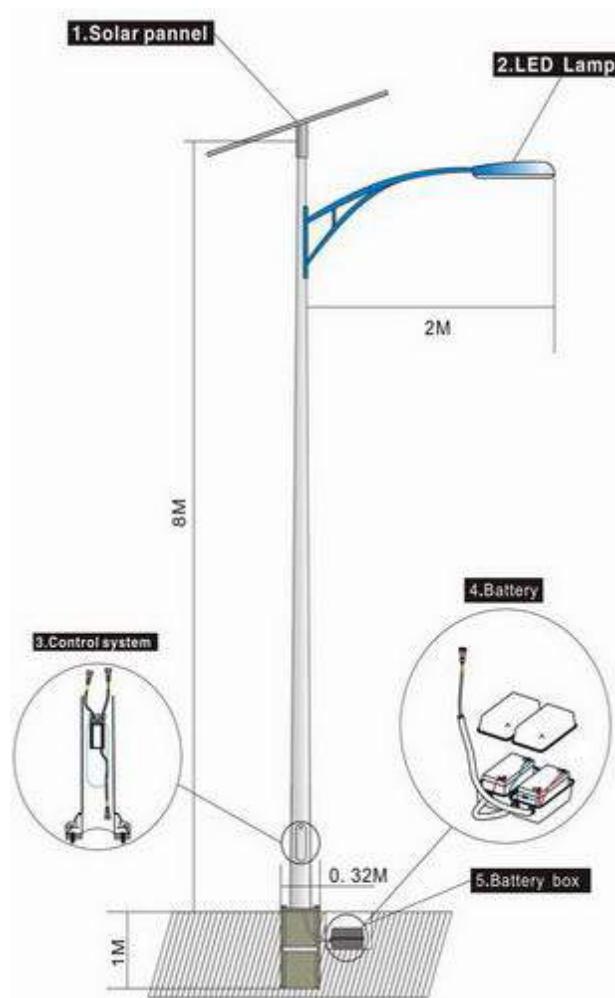
When natural gas or petroleum products are present in a pipe , they form with it a galvanic corrosion cell because the potential of the cathodic reaction is high. To prevent this corrosion , it changes the corrosion cell by imposing a new system voltage will have the effect of lowering the potential of the cathodic reaction . This is the principle of cathodic protection by .impressed current





Publics Lighting

These solutions come in different models and are ideal to ensure urban lighting a walkway , a park, a bike path, a campsite, tourist places, etc. These solar lighting solutions also called candelabra . provides white light with LED technology with very high efficiency This technology provides equivalent yields to light sources of high .power





وكلاء ومصنعون
Agents & Manufacturers

Jordan-Amman

Mobile : +962 795108102 – Murad@khkscogroup.com
Tele: +962 6 4161162 - Fax: +962 6 4161402

Saudi Arabia-Riyadh

Mobile : +966 556222634 - Murad@khkscogroup.com
www.khkscogroup.com www.facebook.com/KHKSCO

