



**IPG POWER**





## Introduction

IPG POWER team has more than 15 years of experience in different kind of projects worth over\$ 750 million.

Projects management and business development experience with international companies in different countries, give us the chance and capability to create an opportunity in new markets and invest in power energy and sustainable energy projects, and working as EPC contractor.

Starting from contracting and managing all end-user requirements and doing all necessary permits to start work (environmental and administrative requirements ... others), until final approval of design, construction, delivery, supervision and management of all project stages, and ensure that all works achieved the highest quality, and that's according to international standards at the lowest cost, in time and get customer satisfaction.





## **Energy Management**



## **Sustainable Energy**

Solar Power Plants  
Wind Power Plants  
Hydro Power Plants  
Solar Pumps



## **Power & Industrial Solutions**

EPC Contractor  
Substations  
OHT  
UGC  
Fiber optic / FTTH

# **IPG POWER Services**







# What is Energy Management?

## ENERGY MANAGEMENT

Energy management can be broadly defined as the proactive, organized and systematic management of energy use in a building or organization to satisfy both environmental and economic requirements.

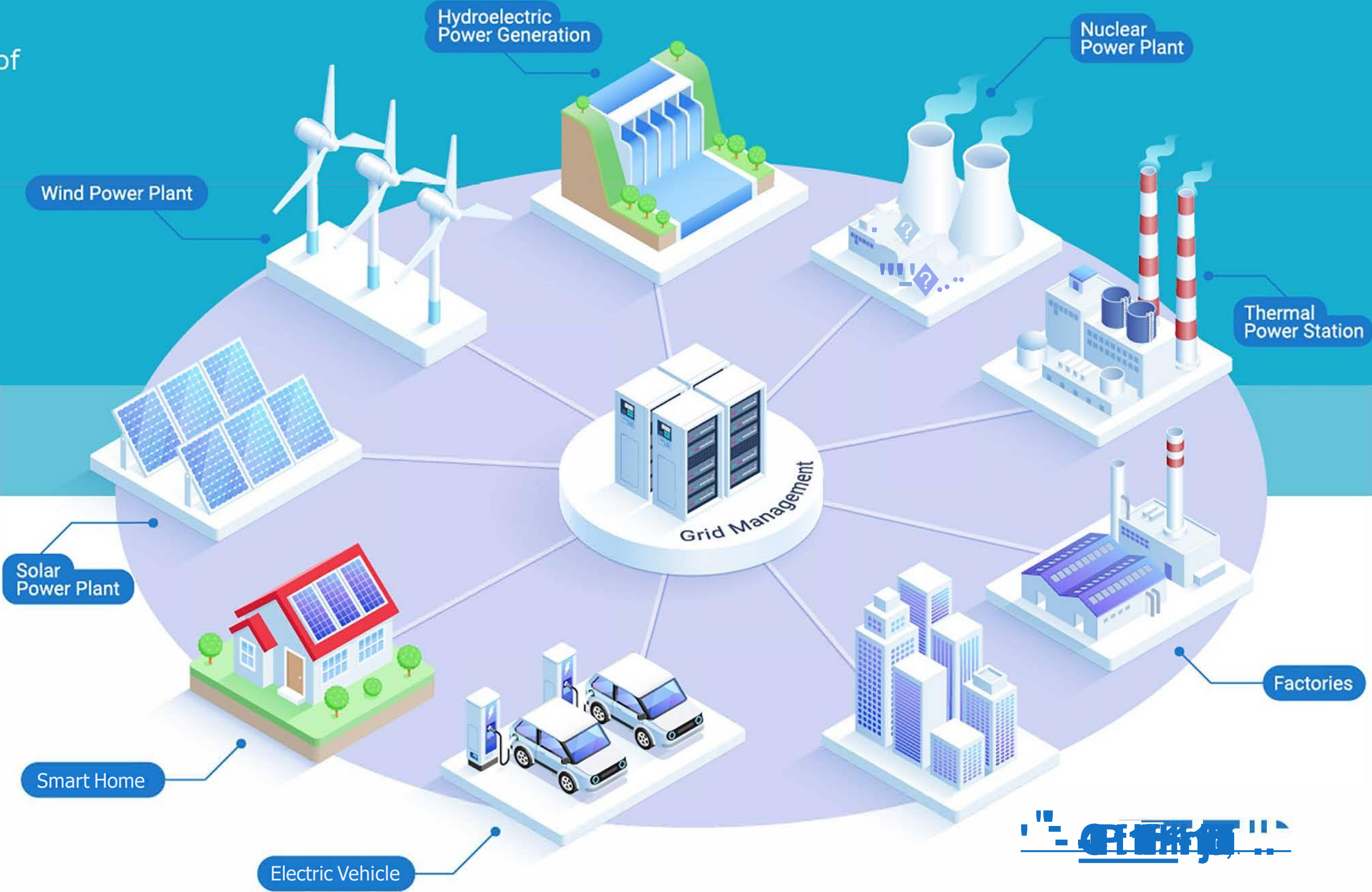
Companies across all sectors are turning to energy management as a means to reduce their operating costs. Specific requirements and practices differ by sector, but the core principles apply to all companies. It involves the following steps:

- Collecting the energy data and metering your energy consumption
- Monitoring and control (Identify Opportunities) to save energy
- Data analysis
- Tracking the progress and ongoing improvement



# ENERGY MANAGEMENT SERVICES

IPG POWER puts energy management as one of its top priorities in the Egyptian market, we have already started working and studying the largest companies and manufacturers in Egypt to implement these new solutions in energy management, which greatly reduces costs and improves energy efficiency.





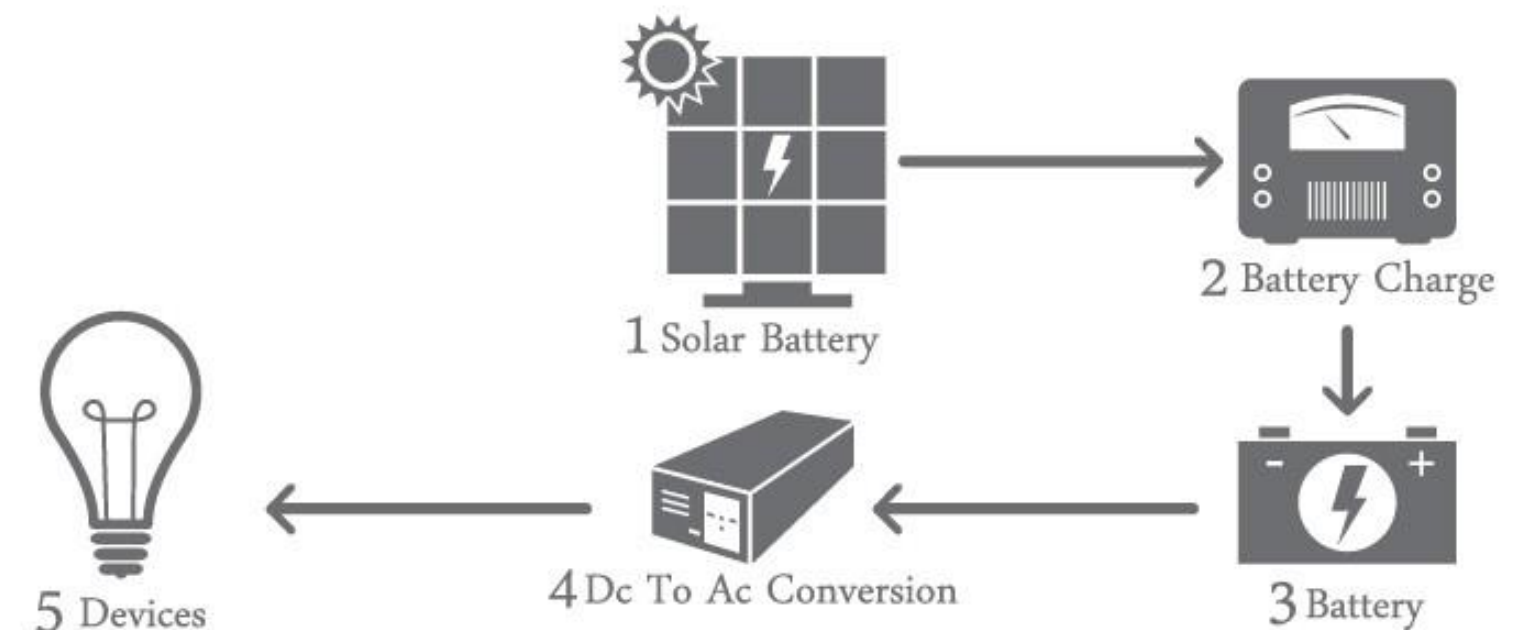
# ENERGY MANAGEMENT SOLUTION

We provide a variety of modern energy solutions, that meets all requirements of the customer, start from generating clean energy, and provide an implementation of modern solutions, in order to maximize the utilization of the current power system, in addition, to raise the efficiency of the current.

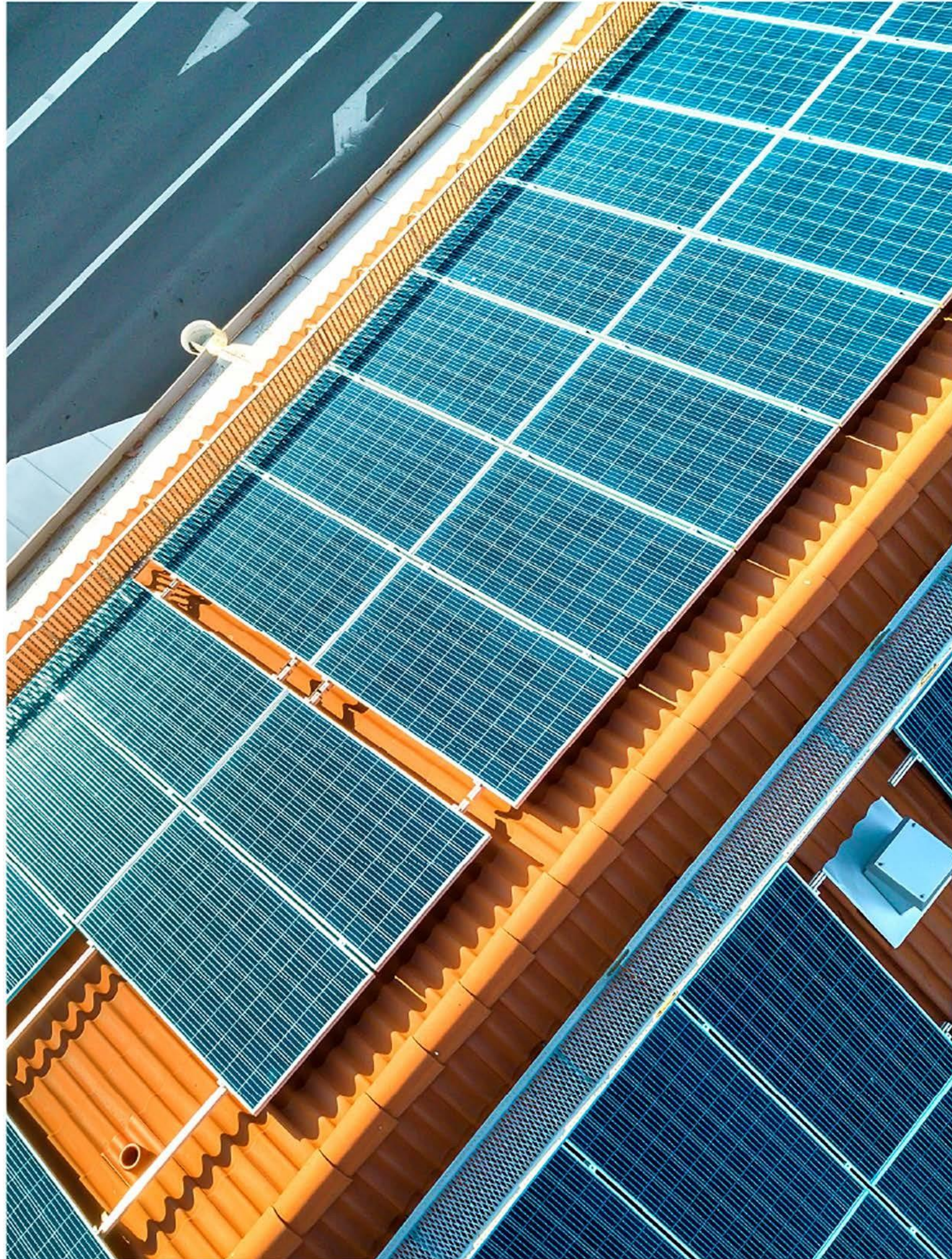
That can be reached and implemented by:

- o Analysis customer's needs,
- o Design of an appropriate system,

All the above leads final delivery to the client with the lowest possible cost and highest efficiency.







## 2- SUSTAINABLE ENERGY SOLAR ENERGY

IPG POWER is specialized in the development, construction, and operations of renewable energy systems, including Solar Photovoltaic "PV" and battery energy storage systems.

Our client's list includes developers, financiers, utilities, commercial, government, and other institutions.





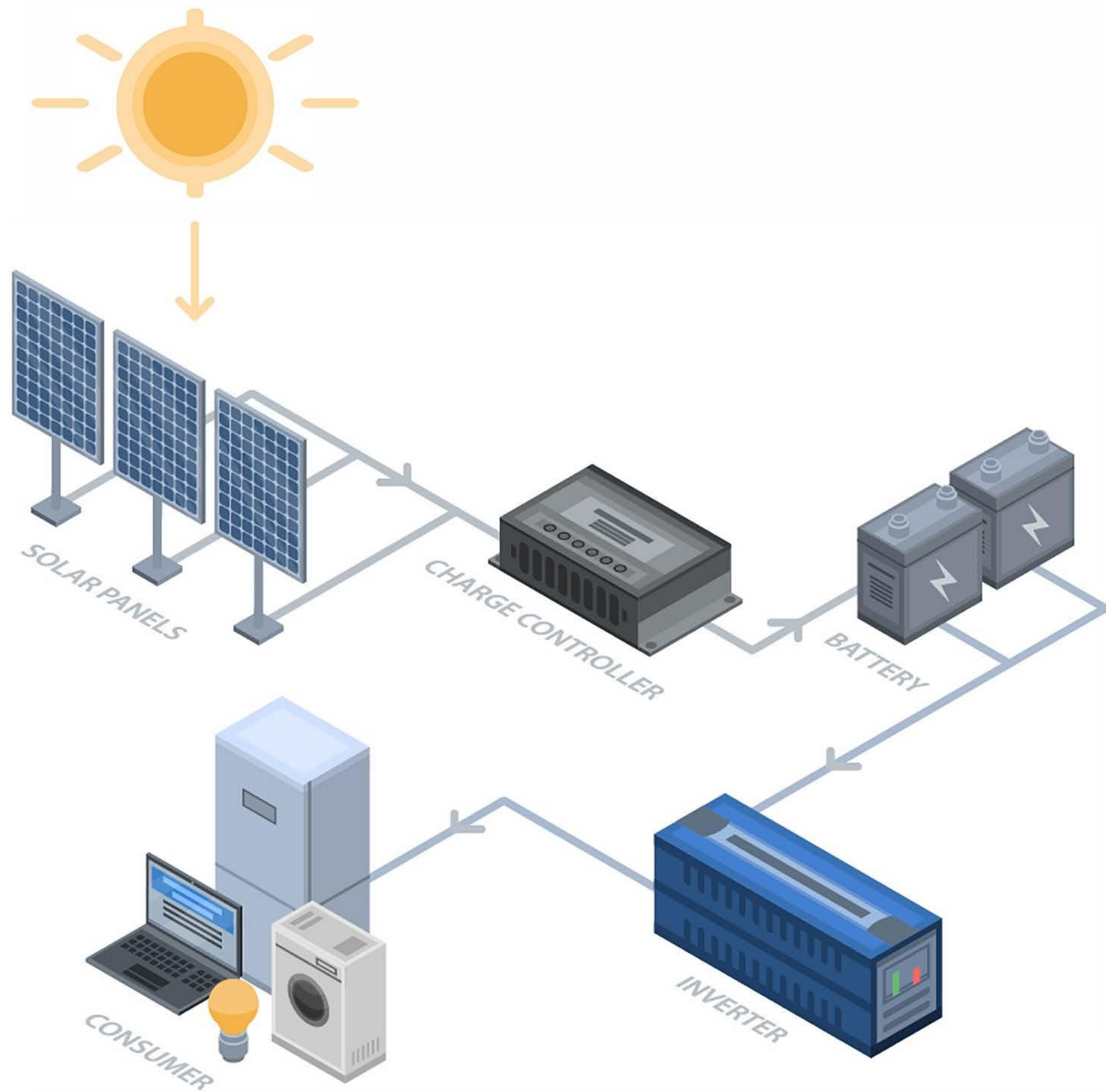
## SOLAR POWER PLANTS

IPG POWER understands that executing on solar PV and battery energy storage systems require a multidisciplinary team.

Our team includes experienced members with proven track-records in development, financing, construction, and operations.

IPG POWER is a leader in developing battery energy storage systems and solar PV systems for municipal, public, commercial and industrial customers.





IPG POWER provides turn-key renewable energy services and managements. At IPG POWER, we continue to provide private and public partners with quality workmanship including installation, regulatory compliance and assessment of performance metrics for solar PV and battery energy storage systems.

IPG POWER is primarily responsible for the Engineering, Procurement, and Construction. This usually includes selecting the suppliers of solar modules, inverters and other key items of equipment, finalizing and underwriting the final design and output projections for the plant.





## WIND POWER PLANTS

- ☐ Egypt has outstanding wind energy conditions. Particularly in the coastal regions, high and stable wind speeds are frequent (up to an average of 10.5 m/s in the Gulf of Suez). Furthermore, the country's large deserts and abundant thinly populated areas are well suited for the construction of large wind farms. detailed wind atlas has been compiled between 1998 and 2005 in a joint effort by the New and Renewable Energy Authority (NREA)
- ☐ Within the scope of the Renewable Energy Strategy, 12 % of total electricity supply by 2020 are to be generated by wind power, translating into more than 7 200 MW of grid connected wind farms





## **IPG POWER TEAM EXPERIENCE**

- More than 15 years of experience in & Outside Egypt especially in GCC area with class A Companies
- Solar Project New capital
- EL Sewedy Electric
- EL Sewedy T&D
- EL Khayyat Group
- EL Sewedy Group (H.V Substation 132 KV)
- IBN Omairah (H.V Substation 220 KV)
- Mobile Substation 66/22 KV
- Substation AIS/GIS 66/22 KV
- Mobile substation 220/66/22 KV
- StatCom.





**SOME OF THE PROJECTS  
THAT HAD BEEN  
STUDIED BY  
OUR TEAM**

01

**Biggest Solar project in Egypt  
for Rooftop, for all government  
Building in New Capital,**

IPG and the Ministry of Defense and Military Production have won the largest solar energy project in Egypt on the roofs of all government buildings, and the estimated power generated from the project is about 18 MW.

02

**Mobile Substation**

Mobile Substation 66/22 KV, our proposal was EPC Contracting

We avoid all faults about previous mobile sub-stations in our proposal,

03

**StatCom**

With Cooperation with NR Company, we offer to provide State com. System to EETC, ( Sudan - Egypt connections), Sohag Substation.



# SOME OF THE PROJECTS THAT HAD BEEN STUDIED BY OUR TEAM

04

## Ais/Gis Substations 66 KV

Menia uni, Menia AL Kamah, Diarb Nagim & Safaga substations

v

05

## East Port Said Substation 220 KV

On February 2019, we Cooperate with Saqer factory to make consortium to work on east Port Saied Substation 220 Kv

06

## Mobile Substation 220 Kv

