

Taqa  **lectric** طاقة اليكترىك
FOR SOLARENERGY AND SMART SOLUTIONS

COMPANY PROFILE

2023/2024



INTRODUCTION
TAQAELECTRIC GROUP

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FOR SOLARENERGY AND SMART SOLUTIONS

 **Taqa** **lectric** طاقة اليكترىك
FOR INDUSTRIAL SOLUTIONS

Summary Profile

Taqa Electric for trading and engineering Company is a limited liability company established in 2018 working in the field of solar energy specially solar pumping projects and was able in a short time to penetrate the market with creative ideas.

in 2021 the company was able to compete in all complementary sectors, including the field of electrical contracting, projects Low and medium voltage and field of smart home control.

We also promise all our customers more progress and Give our best through a distinguished work team

OUR HISTORY

2018

Founded Company And Developed Solar Pumping System In Egypt

2019

Founded Another Sister Company (Taqa Elictric For Industrial Solution)

2020

Corporated With Internal And External Suppliers In Solar Energy Filed

2021

We Have Achieved Sales Of Up To 50 Million Pounds

2022

Add Another Sector For Central Heating Departments

2023

Add Another Sector For Smart Home Systems Departments

Vision

Let's build a society based on intelligence and alternative energy

Mission

providing our customers with electrical smart solutions and green energy more saving and safety with high quality , and efficient service.

OUR SOLUTION

- Solar Energy System
- Solar Water Heater
- Central Heating
- Charging Point
- Smart Home Solutions

Solar Energy System

● On Grid System

● Off Grid System

● Solar Lighting System

● Pumping System

On Grid Solar System

On-grid solar power system is a solar power generation system where it is connected to the utility grid.

System components:

1- Solar Panels 2- On Grid Inverter 3- Net Meter 4- Electricity Grid



Benefits:

- 1- Electricity Saving
- 2- Smart Home System
- 3- The Amount Paid Will Be Refunded In About 4 Years
- 4- Saving The Monthly Electricity Bill
- 5- Saving Money
- 6- Environmentally Friendly Clean Energy
- 7- Easy To Install And Maintain
- 8- Reduce Carbon Emissions

Off Grid Solar System

Off-grid Solar System Is Designed For The Power Needs Of Mid- To Large-size Homes.

Off-grid System Is Not Connected To The Electricity Grid And Therefore Requires Battery Storage.

System Components:

1- Solar panels

2- Off grid Inverter

3- Batteries



Solar Lighting System

Solar LED lights are incredibly efficient in the same way standard solar energy is efficient. solar LED lights are entirely off-grid and incorporate battery technology

These street lights depend on photovoltaic cells, which are responsible for absorbing solar energy during the daytime. These cells convert solar energy into usable electrical energy that can power the lamps during nighttime. This process repeats daily and can become a sustainable energy source for the streetlight while the sun is up

Type Of Solar Light:

1- Solar Street Light

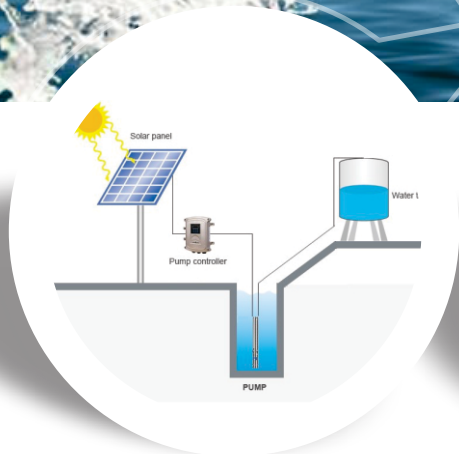
2- Solar Flood Light

3- Outdoor Solar Lights



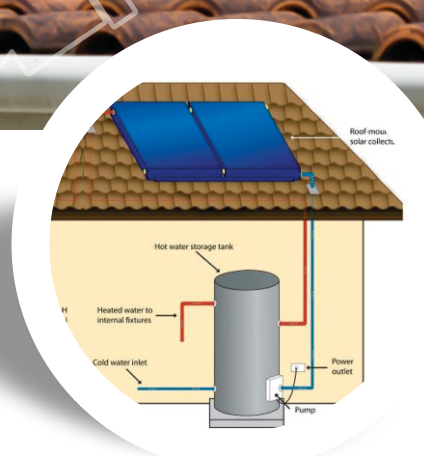
Pumping System

Solar Pump Systems Convert Solar Energy Directly Into Electricity In Order To Drive Pumps With An Electric Motor. These Systems Are Used Mainly For Cattle Water Troughs, Irrigation Or Supplying Drinking Water In Sunny Areas



Solar Water Heater

- 1- Providing hot water day and night, even when the electricity is cut off.
- 2- Solar heaters have a longer life time.
- 3- Reducing the percentage of pollution.
- 4- fast and easy to install and maintain.
- 5- saves electricity .
- 6- Achieving safety by avoiding fire hazards and suffocation resulting from the use of gas and electric heaters.
- 7- Maintaining the interior shape of kitchens and bathrooms, and providing interior spaces.
- 8- One heater can be used for a number of units (bathrooms and kitchens); for more than one apartment.
- 9- There are different capacities of solar water heaters to suit all needs and uses



Central Heating

A central heating system provides warmth to the whole interior of a building or portion of a building from one point to multiple rooms.

CH Types: 1- Underfloor 2- Radiators

System Components: 1- Boiler 2- Manifold 3- Radiators /towel
4- Network Piping 5- Thermostatic valve



Benefits of Central Heating:

- 1- Increase heating efficiency
- 2- Low operating expenses
- 3- Increase the value of your home
- 4- One heating system for the whole house
- 5- Safe for the home, does not cause fire or suffocation
- 6- keeping the aesthetic appearance of your home
- 7- Ease of installation and maintenance before finishing

Smart Home Solution

Smart home, Home automation is the concept of self managed and user manageable homes and buildings

Devices which communicate with each other in an easy way with their protocols or through gateways with other protocols , Constitutes an environment of living a smart life

Functions:



Lighting



AC



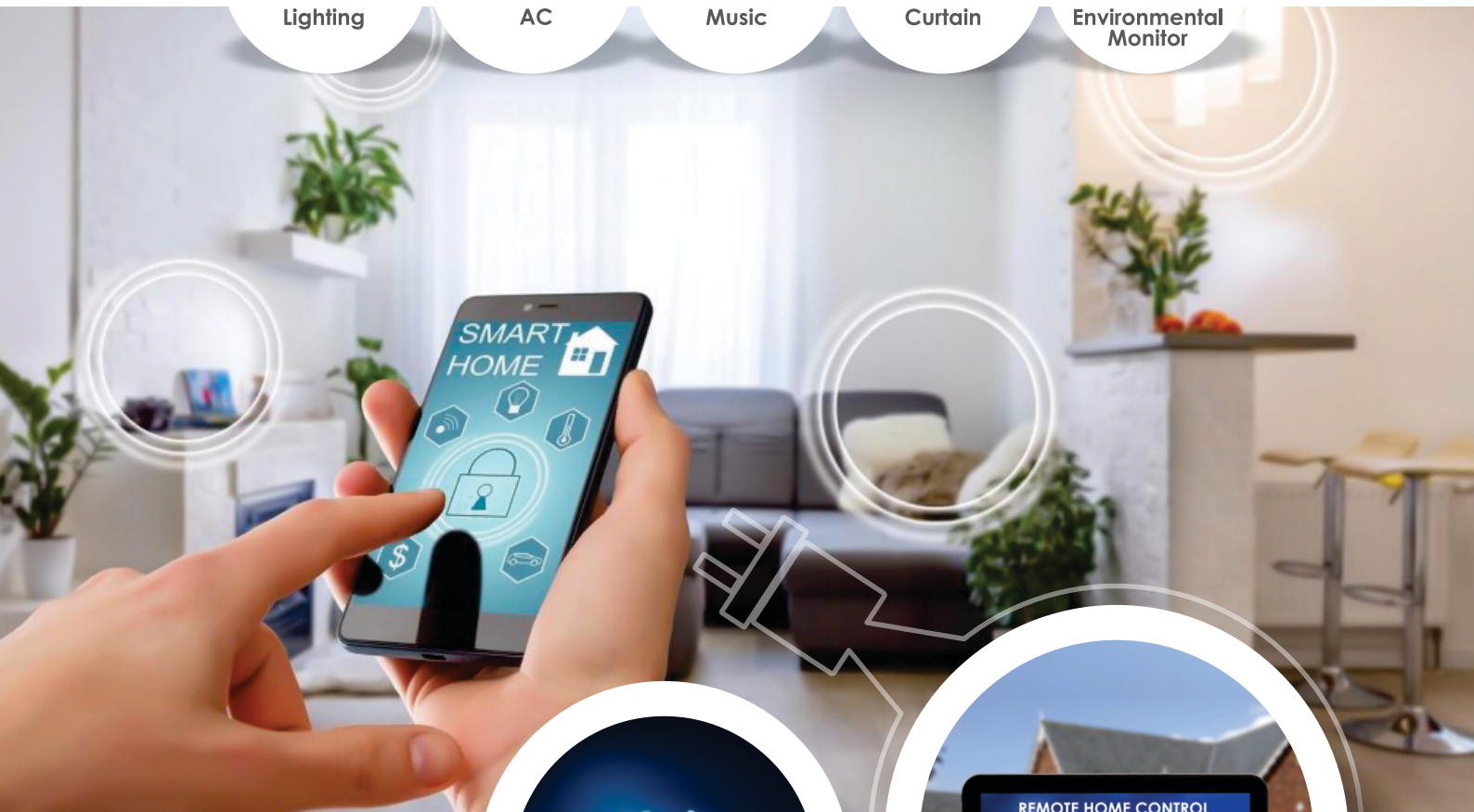
Music



Curtain



Environmental Monitor



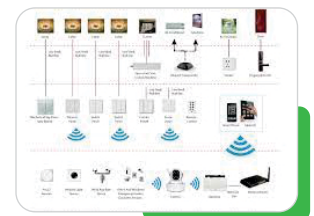
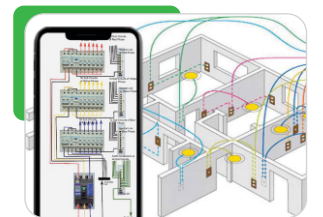
Smart Home Solution

- Homes
- Hotels
- Commercial Buildings



Comfort , Easiness And Time Savings For Users Security
Energy , Monetary Savings
Low Operation Cost
Feel The Luxury And Be More Fancy
Increase The Value Of The House

Type Of Home Automation:



Electric Vehicle Chargers

A charging station, also known as a charge point or electric vehicle supply equipment (EVSE), is a piece of equipment that supplies electrical power for charging



Avoids Powers



Reduces Investment



Reduces Operational Costs



Makes Your Management More Efficient



Type of charger:

DC Charger | AC Charger | Portable charger
Residential charger | Commercial charger | Smart charger



Our Partners



Our Clients





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