

Taqa  **lectric** طاقة اليكتريك

YOUR FUTURE START FROM HERE

INDUSTRIAL PROFILE

01/17

www.taqaelectric.com



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ABOUT COMPANY

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.



MISSION & VISSION

Vision

To be a leader company at all our sector business .

Mission

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



KEY ACTIVITIES



01 Residential

Solar system, smart home, heating system.



02 Industrial

energy saving, electrical solution.



03 Agricultural

solar irrigation sys, agriculture services.

INDUTERIAL ACTVITIS



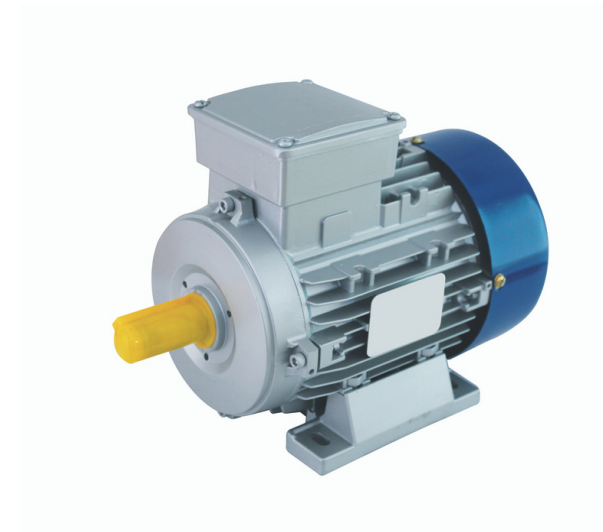
01 Electrical panels

- power factor improvement.
- staplizer.
- synchronization panels .
- pumps control system.
- distribution panels.



02 Medium voltage services

- Transformer.
- Ring main unit.
- earthing.
- installation.
- maintenance.



03 motion system

- single and three phase motors.
- drives.
- plc.
- servo.
- gearbox.



04 Energy saving & UPS

- solar energy system.
- solar led lights.
- solar heaters.
- saving motor's consumption.
- UPS

ELECTRICAL PANELS

Taqaelectric is always looking forward to provide our customers with wide range of electrical panels type tested and local panels depending on mother companies like (ABB-SHENIDER-SIMENS...etc) we concentrating to introduce in our manufacturing best quality and delivery time with reasonable price.



01 DISTRIBUTION PANELS

- Main distribution paneles(MDP).
- Sub-Main distribution panels(SMDP).
- final distribution panels(FDP).



02 CONTROL PANELS

- CLASSIC CONTRL .
- ATS.
- Power factor.
- PLC.
- SCADA SYSTEM.
- INVERTERS PANELS.

MEDIUM VOLTAGE SERVICES

SMV Switch Gear (Up to 36 kV)

-supply

- Air insulation switchgear
- GIS Switch gear
- CBs
- Relays
- Ring main unit

-Services

- SF6 and Vacuum C. B's Maintenance
- Complete MV Switchgear system maintenance
- Installation of MV Switchgear including cable termination
- Commissioning and testing of MV Switchgear
- Protection function studies
- Coordination studies
- Training



MEDIUM VOLTAGE SERVICES

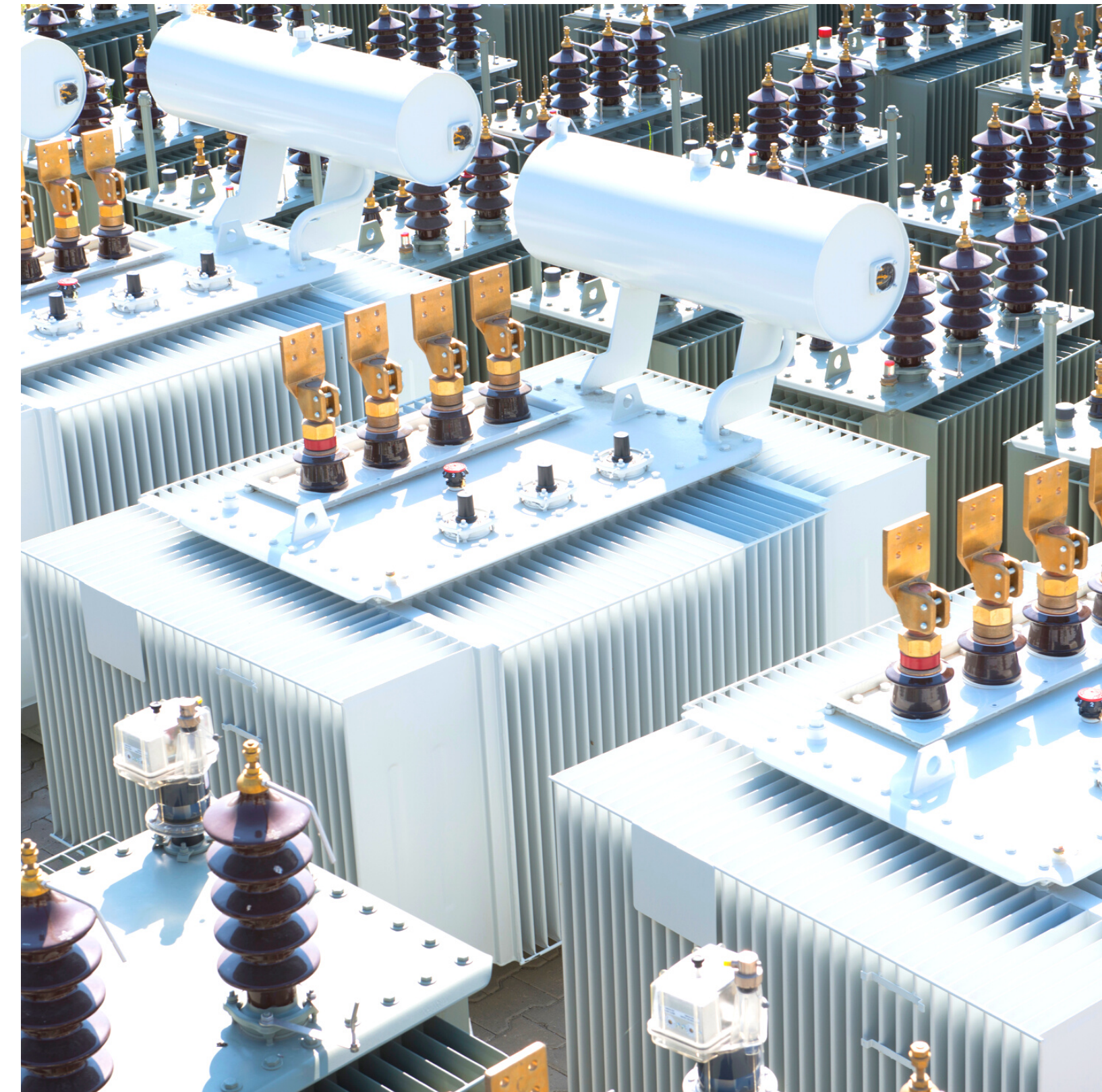
transformer

-supply

- Power transformer
- Distribution transformer
- Converter transformer
- Dry type transformer

-Services

- Insulation resistance test for High and low voltage winding.
- Insulation resistance test between High voltage winding and low voltage winding.
- Winding resistance measurements for High & Low voltage winding.
- Adjust tightening of all electrical connections to the standard torque.
- Check bushings and insulators for chips or cracks.
- Check tap changer for connection and proper mechanical and electrical operation.
- Carry out live ratio test of windings in all tap positions (if available)
- Analysis for transformer oil sample
- Clean transformer fins to improve cooling.
- Assessment for all transformer condition.
- Installation & Commissioning



LOW VOLTAGE SERVICES

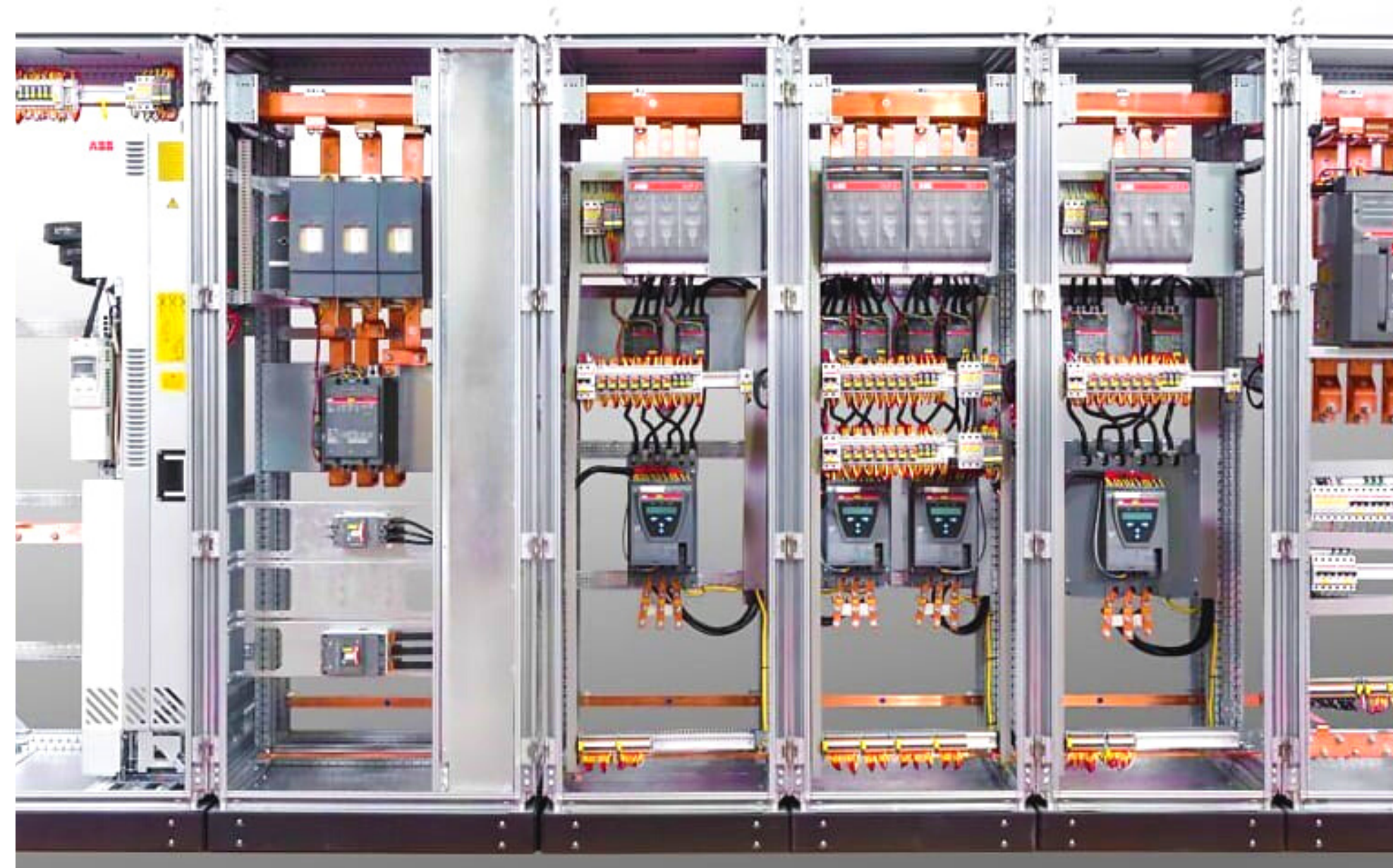
LV Switch gear

-supply

- MCC & MDB
- CBs Relays
- Contactors

-Services

- Retrofit of old LV C.B's in the same existing switchgear including Copper and mechanical Adaptation.
- Retrofit of components in LV Switchgear.
- Installation of new LV Switchgears including cable termination
- Commissioning and testing of LV Switchgears.
- Complete LV Switchgear system Assessment and maintenance
- Harmonic level measurements
- power quality measurement
- Power factor correction panels



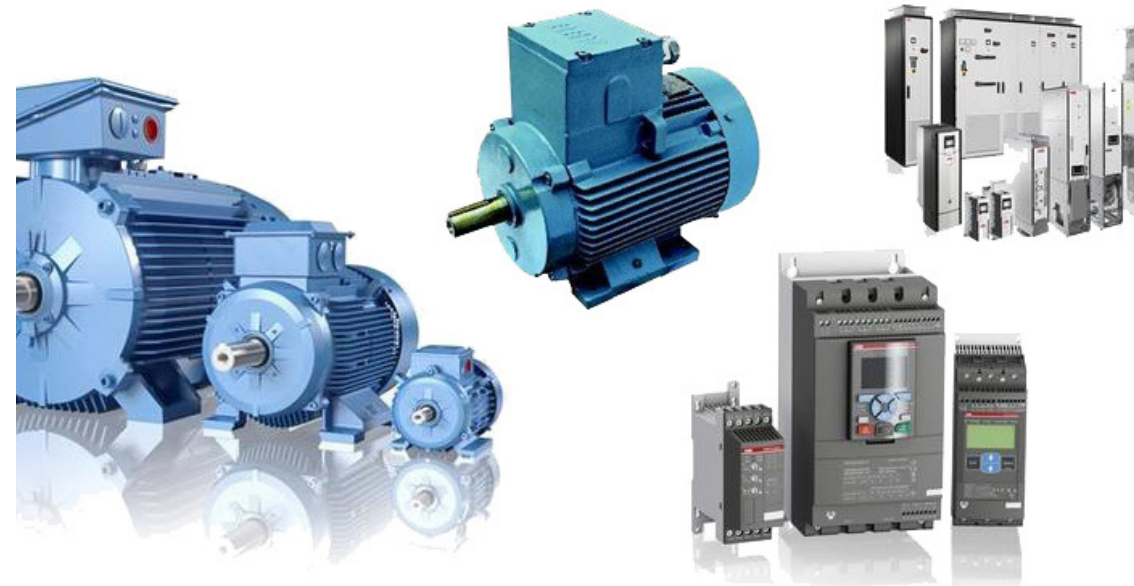
MOTION SYSTEM

The right offering for our customers



- Taq electric has experts helping our customers every day
- Provide our customers with perfect solution for his application

product variety



- Taq electric provide customers with right product depending on application not specific brand.
- varity in our product make our solution more effective.

After sales and services



- introducing full support for our customers 24hours.
- supply and installation.
- provide training and technical support
- warranty and maintenance for our products.

ENERGY SAVING

ENERGY SAVING CALCULTION



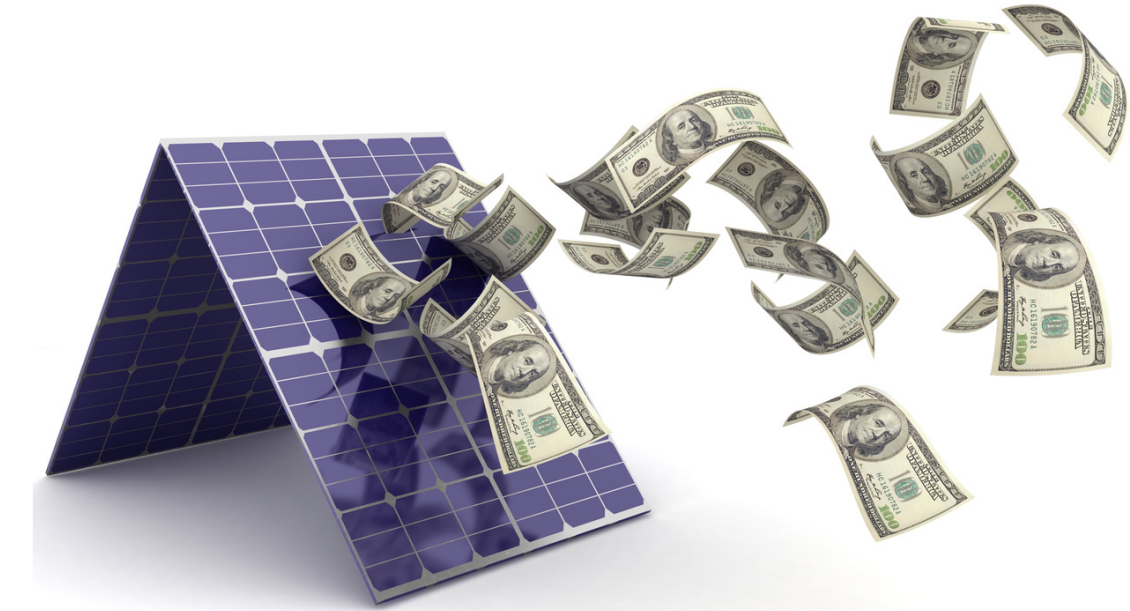
-Through our experts we provide our customers with accurate energy saving calculation for their industries establishment.

ENERGY SAVING PRODUCTS



-Beside our engineering solution we have many products which more efficient in industry operation achieving energy saving goals.
-for examples(Drives-motors-smart sensors-power factor panels....etc)

ENERGY SAVING SOLUTIONS



- 5 years pay back period for solar energy projects in industrial establishments .
-solar water heaters.

SUCCESS STORY

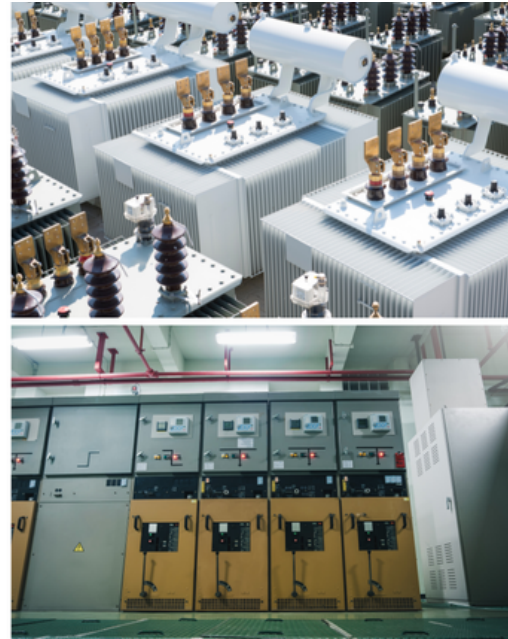


PROJECT SCOPE: **MEDIUM VOLTAGE**

PROJECT LOCATION: **OBOUR CITY**

PROJECT DETAILS

1MW TRANSFORMER
MV SWITCH GEAR
ATS



PROJECT SCOPE: **SOLAR LIGHT**

PROJECT LOCATION: **ELSADAT CITY**

PROJECT DETAILS

SOLAR LIGHT



PROJECT SCOPE: **SOLAR ENERGY**

PROJECT LOCATION: **SUEZ**

PROJECT DETAILS

SOLAR PANELS
BATTARIES
INVERTER

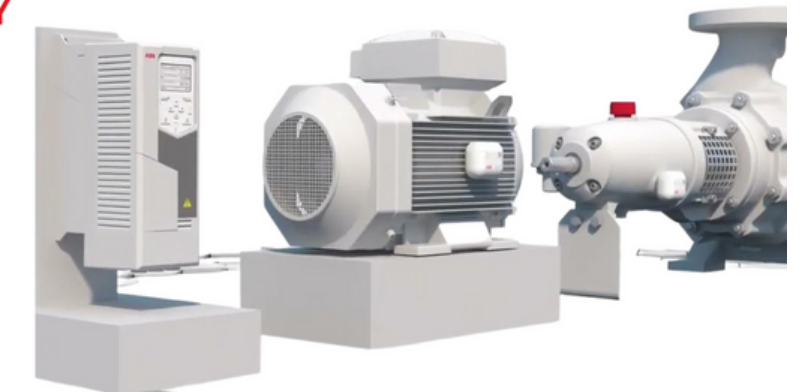


PROJECT SCOPE: **MOTION SYSTEM**

PROJECT LOCATION: **ELSADAT CITY**

PROJECT DETAILS

EARTHING SYSTEM
DRIVES SUPPLYING



OUR CLIENTS





OUR PATNERS





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