

**ELSEWEDY  
ELECTRIC**

Integrated Energy Solutions



**ENGINEERING &  
CONSTRUCTION**  
FOCUS CATALOGUE





# INDEX

<b>About Elsewedy Electric</b>	<b>03</b>
<b>About ROWAD</b>	<b>05</b>
Services Range	05
Industrial & Power Projects	06
Infrastructure Projects	10
Commercial & Special Buildings	14
Monument Restoration & Structural Repair	18
Reinforced Earth Systems	20
Quality Certificates	22
<b>About Elsewedy Electric T&amp;D</b>	<b>24</b>
Services Range	25
Power Generation	26
Substations	27
Overhead Lines	32
Various Projects	38
Quality Certificates	40
<b>About Elsewedy Electric PSP</b>	<b>42</b>
Services Range	43
Featured Projects	44
Quality Certificates	54





Integrated Energy Solutions



Elsewedy Electric is a conglomerate that specializes in Infrastructure, products and solutions. We are segmented to 5 divisions: Wire & Cable, Electrical Products, Engineering & Contracting, Smart Infrastructure and Infrastructure Investments. Our founding fathers started the journey back in 1938 and we have been growing ever since to be what we are now, the biggest infrastructure solutions provider in the Middle East and Africa.

Behind our success is 15,000 professionals located in 45 countries using the latest technologies to design and engineer a vast product portfolio and unmatched services. We strive to deliver top-quality products & services that meet our customers' expectations while adding value to the communities we serve.

## Group strategy and market opportunities

Elsewedy Electric 80 years ago, we started with a clear vision to position Elsewedy Electric for successful growth, inspired by innovation, determination and spirit of hardworking staff, empowered and liberated by a strong enterprise system. Since our start, we made the decision of never sacrificing integrity for growth & this same motto did not change till today.

Behind our success is professional dedicated team and the latest technologies which deliver comprehensive product portfolio and unmatched services. Elsewedy Electric always delivers top-rated products & services that customers need with the highest quality. Our creative solutions help corporations

FINANCIAL STRENGTH

PRODUCT DIVERSITY

SECTOR EXPERTISE

GEOGRAPHICAL REACH

**23**  
**Giga Watts**  
Total number of delivered power

**3.7K+**  
**KiloMeters**  
Overhead Transmission Lines

**20K+**  
**KiloMeters**  
Distribution Networks

**2K+**  
**KiloMeters**  
Communication Networks

**64+**  
**Substations**  
Indoor & Outdoor Substations

**25M**  
**Square Meters**  
Sustainable Industrial Communities



### Integrated Energy Solutions

- Wire & Cable
- Electrical Products
- Engineering & Construction
- Smart Infrastructure
- Infrastructure Investments



## Engineering & Construction Business Line



**43** Giga  
Watts  
Total Generated  
Power

**RME** is one of the fast growing leading contractors, engaged in a wide range of construction activities serving more than one sector including industrial, commercial & special buildings, health, and infrastructure and restoration.

**EISewedy Electric T&D** has the capabilities of providing EPC services in the Oil & Gas industry and the Water Solutions industry.

**EISewedy Electric PSP** offers its clients integrated energy solutions leveraging on; technical and commercial competencies, top notch project management methodologies.

## Global Presence





## Rowad

- Industrial & Power Projects
- Infrastructure Projects
- Commercial & Special Buildings
- Monument Restoration & Structural Repair
- Reinforced Earth Systems
- Quality Certificates



# ROWAD

Modern Engineering

## Introduction

RME is one of the fast growing leading contractors, engaged in a wide range of construction activities serving more than one sector including industrial, commercial & special buildings, health, and infrastructure and restoration.

Its commitment to excellence is the key driver for its performance today and throughout the past years. RME has been building up its list of recurring Clients enjoying continuous, fruitful and mutually satisfactory business relationships. Many of RME's Clients make the company their first choice when it comes to selecting a contractor for their projects.

RME is ISO certified and a professionally managed company that believes in profitable, sustainable and

enjoyable long-term relationships with all its key stake holders including employees, customers, consultants, partners and suppliers.

In terms of Safety, RME staff are OSHAS certified. RME is adamant that all operations run in a very safe manner, since RME values its human assets as most important. That is why at RME safety procedures are enhanced thus maintaining quite remarkable safety records.

RME's Customer Satisfaction program has been its guiding star, which sets direction to everything done, and guarantees ability to meet highest standards, conforming to requirements, preventing errors and performing better than expected.

## Services Range

Industrial & Power	Infrastructure	Commercial & Special Buildings	Monument Restoration & Structural Repair	Reinforced Earth Systems
Power Plants	Bridges & Tunnels	Educational Facilities (Schools, Universities, ...etc.)	Historical Mosques	Retaining Walls System
Substations	Ports	Airports	Monumental Hotels	Slope Stabilization
Steel Mills	Coastal Protection	Administrative buildings & Showrooms	Historical Palaces	Soil Improvement
Cement Plants	Barrages & Water Structures	Hotels	Monumental and Historical buildings	LOCK & LOAD
Wind Farms	Infrastructure Networks	Malls & Hypermarkets		
Solar Farms				



## Beni Suif Power Plant Construction

Capacity  
(4,800 MW)

RME was responsible for all the Site Preparation, Execution of all civil, Structure, architectural, and MEP building services for, GIS Area, modules 4 & 3, Gas Turbines 42 ,41 ,32 ,31, central control, ST 40 ,30 including Heat Recovery Steam Generators (HRSGs) and ancillaries and infrastructure within the same area



### **Attaqa** Power Plant

Capacity  
(650 MW)

The challenge facing RME in executing the civil works of ATTAQA 650 MW simple cycle gas turbine units was the time-frame set for such a huge project. However, RME proved itself capable of completing the project within the appointed time-frame of 5 months after defining target milestones thus setting a record for project completion



**Gabal  
El-Zeit**  
Wind Farms

Capacity  
(380 MW)

RME was responsible for complete civil works for the 190 Wind Turbine Generator (WTG) footings and WTG platforms. Scope also included the complete network of new internal roads leading to every wind turbine position.



### **Ezz Dri** Plant

Ein El Sokhna

DANIELI, ranked among the three largest suppliers of equipment and plants to the metal industry in the world, selected RME to act as the main contractor in charge of resuming and completing construction on the EZZ DRI plant in Ain El Sokhna. While DANIELI was facing a challenge in completing the project around the table set for it, RME has proven track record in achieving DANIELI standards in terms of resources allocation, Quality, Safety working procedures and commitment to time tables.

## Infrastructure Projects

The Egyptian Armed Forces appointed RME to carry out the construction of El Shun Bridge in Mahala. The bridge, a total of 950m long and 12m wide, was completed in a period of just six months.



**Mahala  
Bridge**

(950 m/L - 12m/W)

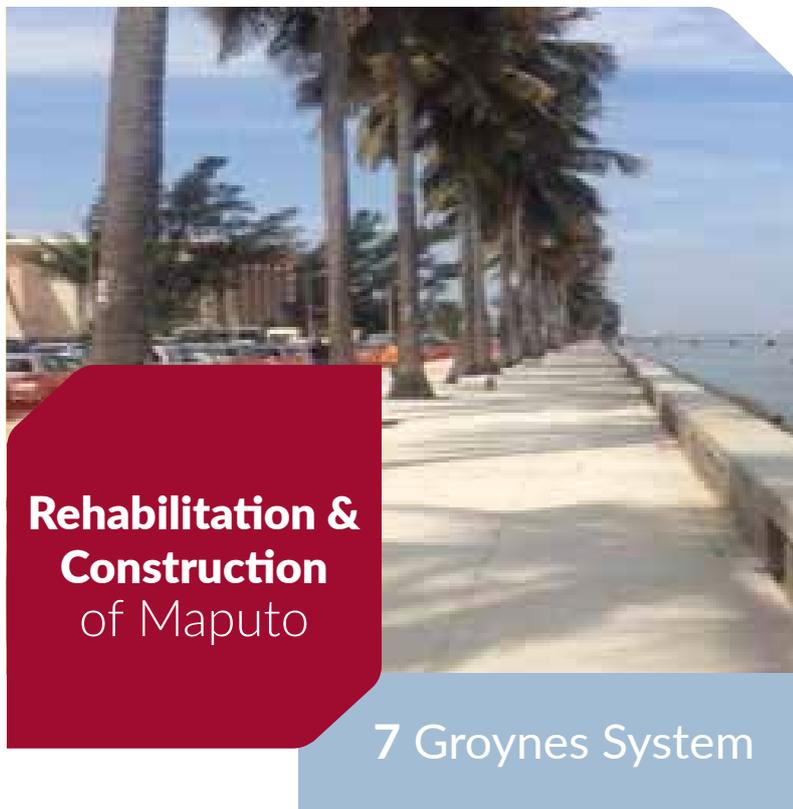


**Mall of  
Egypt  
Bridge**

Total Area  
20,800m<sup>2</sup>

RME has been assigned by the armed forces for the construction of the bridge that allows direct access off Al Wahat highway to and from Mall of Egypt thus smoothing out traffic for this crowded junction. The project total area is 20,800m<sup>2</sup> and 1,810m lengths.

RME was contracted by Cojaal, a large Japanese consortium, to carry out the construction of 46 bridges and 8 culverts in Setif, Algeria. Despite the aggressive geographical nature of the project's location, RME proved itself qualified by successfully executing the project within 30 months.



In cooperation with MCA Mozambique, M.CoutoAlves, S.A & M. CoutoAlves, Vias, S.A, RME was assigned to rehabilitate and construct coastal protection for Maputo City, Mozambique. This project included establishing a new configuration system on Maputo's South Coast as well as developing criteria for both the south and south west zones. RME constructed a 7 groyne system, nourishments of sand between groyne, toe of protection and rehabilitation of existing sea walls, groyne and revetments.



## Port of Sokhna

Container  
Terminal Basin2

Overall area  
(450,000 m<sup>2</sup>)

Turnkey construction of a 150,000DWT class new multi-purpose terminal with length of 500 m to satisfy the throughout forecast of 1.75million TEU Containers as well as General Cargo. The Overall area of the terminal is 450,000m<sup>2</sup>. The maximum daily occupancy for the port is 2000 persons.



### New Giza University

Phase 1  
(20,000m<sup>2</sup>)

Following the successful completion of the works in Phase 1A of the construction of New Giza University in the highest quality and within the time-frame agreed upon, RME was assigned the same works for Phase 1B. Collectively, RME successfully completed Civil, Finishing & Electromechanical works for Main Buildings HN-02-A, HN-02-B & HN-02-C, Utility Building UT-01-A, and Electrical Room RMU-01-A. The areas of both phases, 1A and 1B, are 20,000m<sup>2</sup> and 20,660m<sup>2</sup>, respectively, while the project completion periods for both were 8 and 10 months, respectively.

## Commercial & Special Buildings **Projects**

Continuing its global expansion, RME was awarded the civil works for N'djamena Hotel located in the capital of The Republic of Chad. The project encompassed five different zones including the Hotel, Service Building, Reception Hall, Conference Room and the Political Center. The project was built up on a total area of 38,000 m<sup>2</sup> coping with the most modern techniques, RME carried out the project using precast in-situ beams and slabs. The Hotel is currently operating as Radisson Blu N'djamena



**N'djamena**  
Grand Hotel

Total area  
(38,000m<sup>2</sup>)



**Cairo**  
**American**  
**College**  
(CAC)

Period of  
(13 months)

Located in the heart of Maadi, Cairo American College is a world-class education facility. Its environment encourages the students to express their opinions, passions and showcase their talents. Believing in the importance of raising fearless generations who are able to contribute to the development of our society, RME acted as the turnkey contractor in the completion of the new middle school and library-building project, all within a period of 13 months.

## Commercial & Special Buildings **Projects**

Located in New Cairo, the Point 90 Mall project was assigned to RME to carry out all construction tasks and works based on the company's solid reputation as an experienced professional contractor.



### **Point 90** Mall

New Cairo



### **Uptown Cairo** (West) «Sierras» Phase I

Total area  
(65,000m<sup>2</sup>)

Uptown Cairo, owned by Emaar - the well-known real estate development company, is a world-class residential complex established in Egypt. RME was appointed to carry out the turnkey construction works for Village F (West) "Sierras", phases 2 and 3 on a total area of 65,000m<sup>2</sup> comprising 11 buildings.

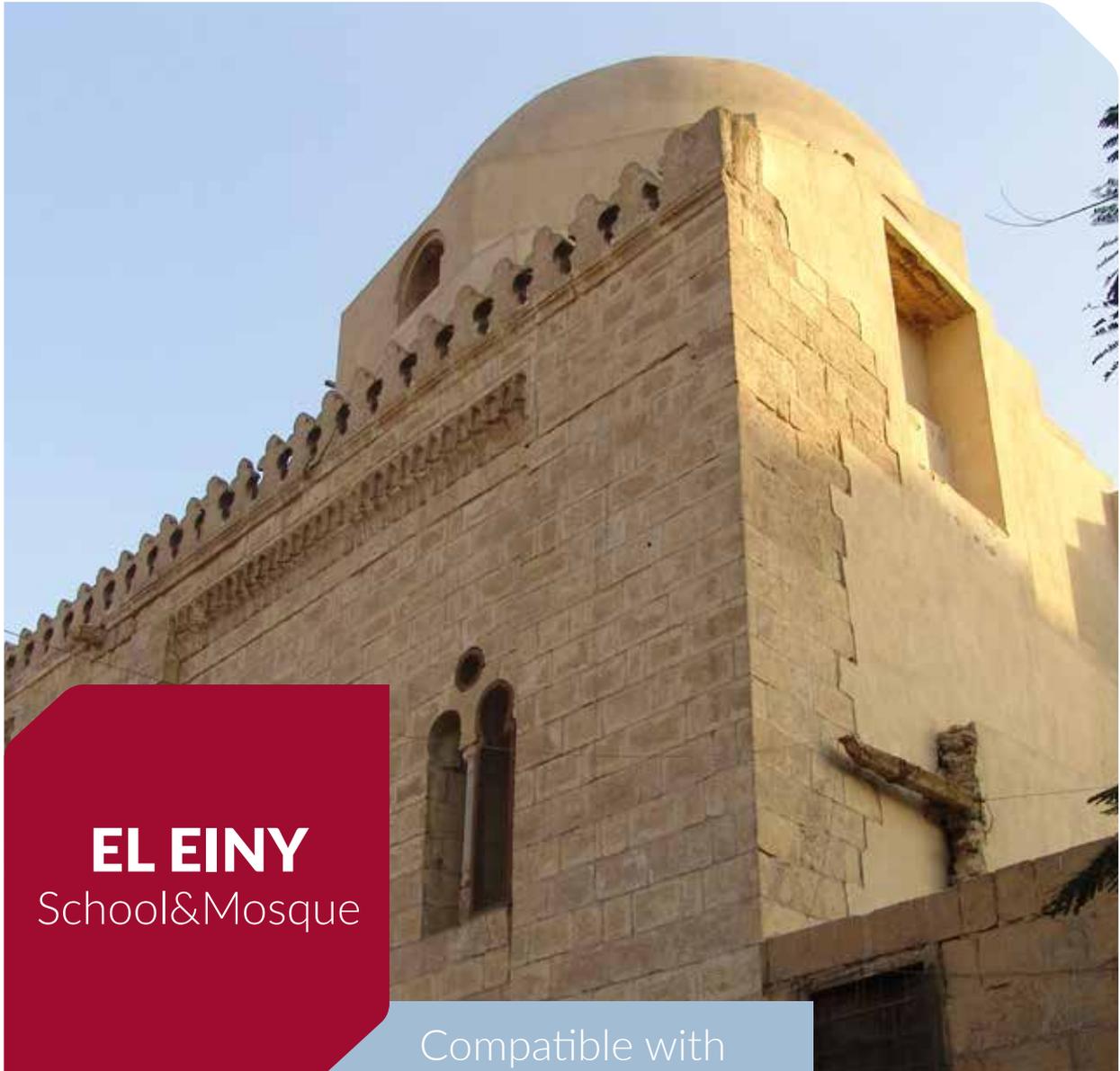


## Cairo International Airport Building 2

### Airside INFRASTRUCTURE

Renowned for high quality, experience and excellence in providing construction services for vast projects, particularly national landmark projects, RME was assigned Rehabilitation and Expansion Works of Terminal Building No. 2 of Cairo International Airport. RME completed Building A civil works (including SOG and

Bridge Area), Building C civil works, Airside Retaining Wall, BHS Tunnel Civil works; TB2 Infrastructure, ductbank civil works, supply and installation of conduits, Line drainage and polymer rain channel. Subcontracted by LIMAK INSAAT (the main contractor for TB2 Project), RME has a remarkable proven record of achieving superior quality on time.



### EL EINY School & Mosque

Compatible with  
original materials

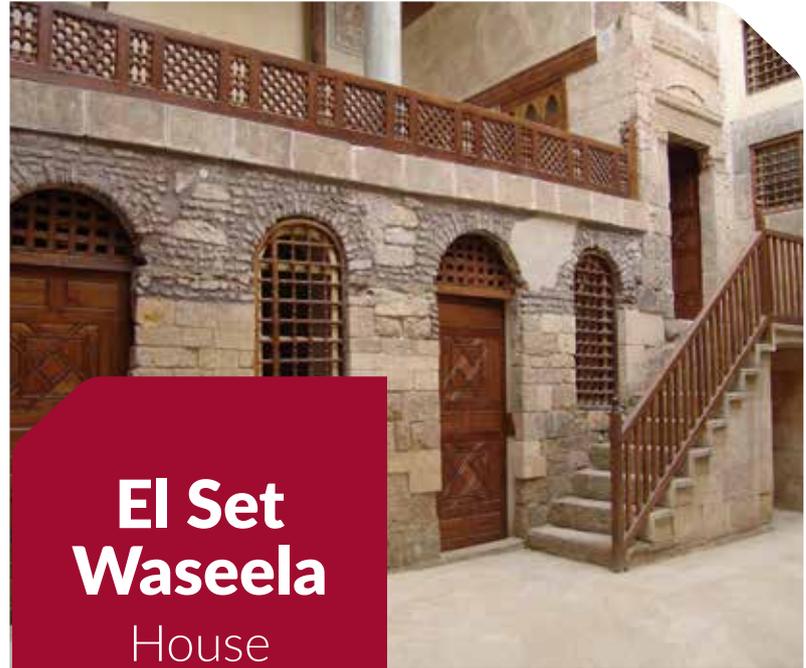
Contently, RME took responsibility for repairing such historical building which required restoration works from several aspects. Among such works, RME was required to protect this establishment and prevent its collapse by injecting its walls with new mortar, which RME carefully selected to be compatible with the original materials

of the building. In addition, RME was accountable for restoring the building to its first condition including restoration and treatment of decorated and non-decorated timber, grout restoration, metal, marble and stone materials repair in addition to the replacement of the damaged stones with other new good ones.

## Monument Restoration & Structural Repair

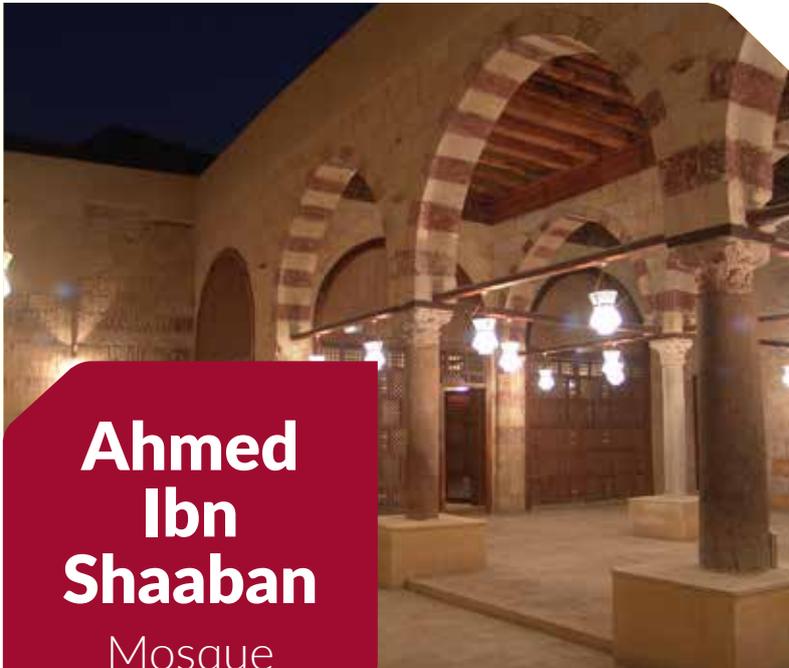
Proudly, RME has successfully restored the whole building to its original condition displaying the different architectural art that distinguish this building.

Furthermore, RME was able to fill the undesirable spaces, repair the damaged parts, stones, red bricks, decorated timber as well as the decorated ceiling.



**El Set  
Waseela**  
House

Repair

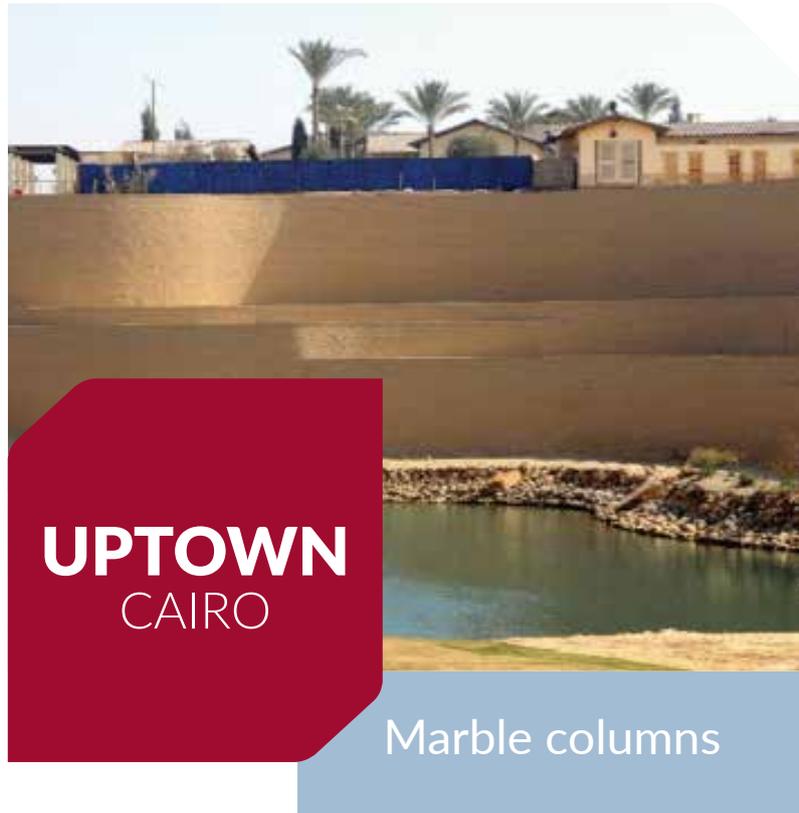


**Ahmed  
Ibn  
Shaaban**  
Mosque

restoration

Through several steps, RME was able to restore the great building to its first condition. These steps included restoration of stones, timber doors and windows, iron windows, repair of marble columns, granite columns as well as the decorated ceiling.

With RME's long-standing relationship with its recurring Client Emaar Misr, RME is proud to boast participation in Uptown project icons, including the retaining walls forming landmark landscape aspects of exceptional compound.



In recognition of RME's proficiency and wide experience in the GeoGrid systems, Amer Group has selected RME for the construction of the retaining walls for Porto Sokhna.

## Reinforced Earth System

RME has proven a remarkable record cooperating with SODIC in many projects and continuing with SODIC Westtown Project by using the Anchor Block system for the villas and landscape.



### SODIC WESTTOWN ANCHOR WALL

Anchor block



### Mall of Egypt LOCK & LOAD WALLS

6<sup>th</sup> of October city

Located in 6<sup>th</sup> of October city, Mall of Egypt is a mega mall being developed by Majid Al Futtaim (MAF) properties in Cairo, RME has appointed the construction of retaining wall for the Mall bridge using Lock + Load System.



**American Systems Registrar, LLC**, a provider of third-party system registration and accredited by the ANSI-ASQ National Accreditation Board attests that:

**ROWAD MODERN ENGINEERING**  
**61 INTERSECTION OF EL NAHDA STREET WITH STREET 10,**  
**MAADI EL SARAYAT-CAIRO-EGYPT**

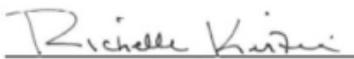
with a scope of:

**PROVISION OF GENERAL CONSTRUCTION SERVICES**  
**AND OTHER RELATED SPECIALIZED ACTIVITIES**

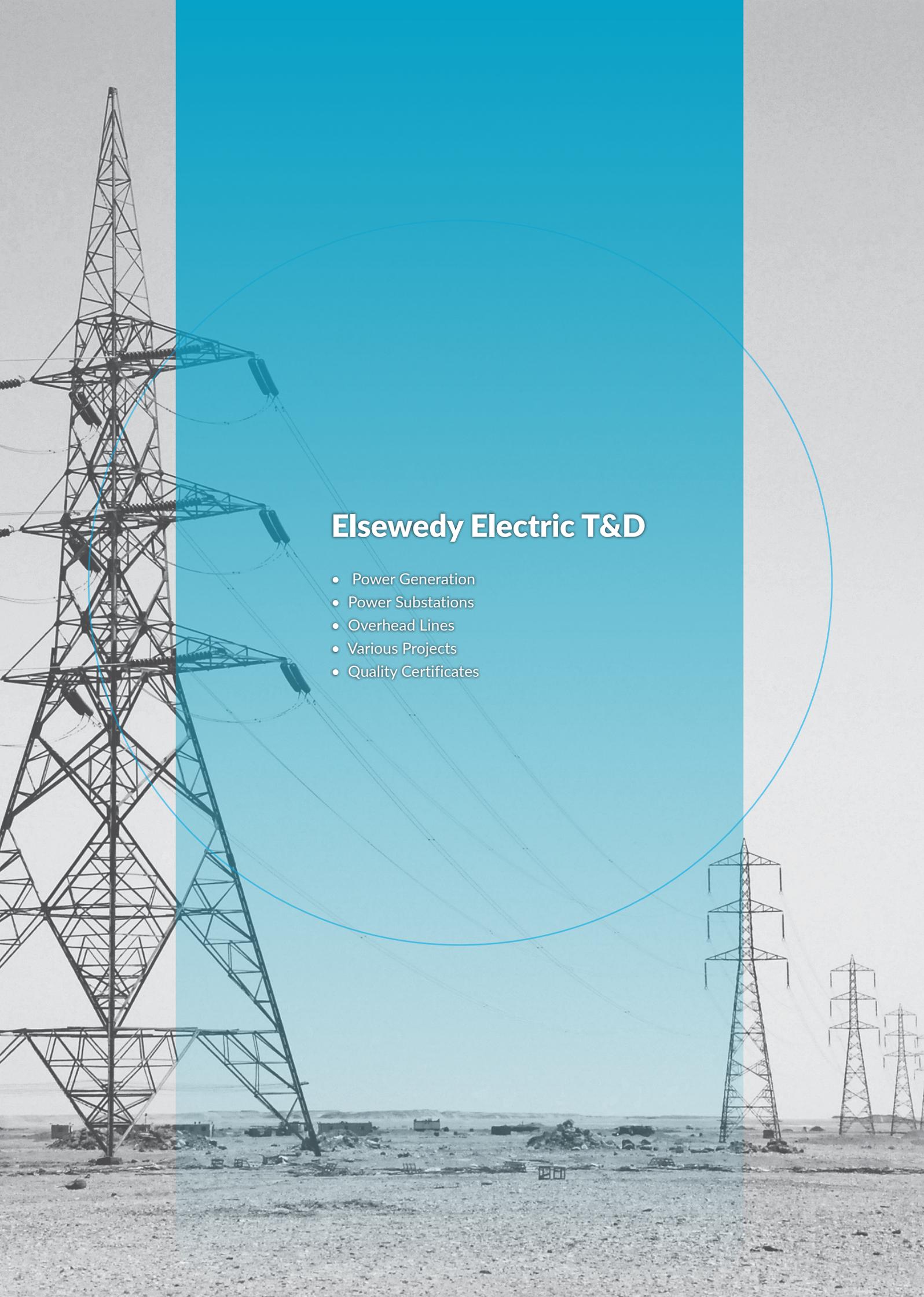
has established a quality management system that is in conformance with the International Quality System Standard

**ISO 9001:2015**

ASR Certificate Number: **4426**  
Date of Certification: **March 28, 2017**  
Date of Certification Expiration: **March 27, 2020**  
Revision:  
Re-Issue Date:

  
President

**CERTIFICATE OF REGISTRATION**



## Elsewedy Electric T&D

- Power Generation
- Power Substations
- Overhead Lines
- Various Projects
- Quality Certificates

# Power Transmission & Distribution

## Introduction

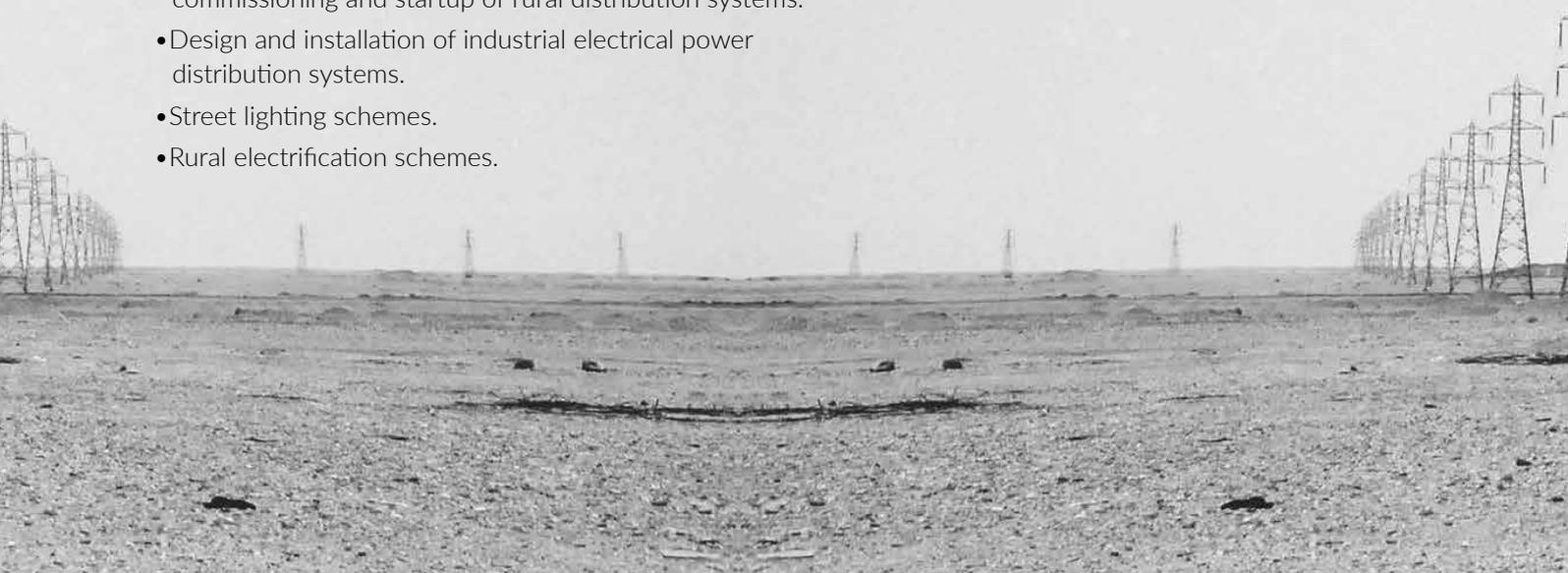
It's an international EPC specialized in the supply, installation and commissioning of overhead transmission lines, underground cables, substations as well as the construction of solar and wind power stations. Providing EPC turnkey solutions for utilities and industries including rural electrification and street lighting.

**El-Sewedy Electric T&D has the capabilities of providing EPC services in the Oil & Gas industry and the Water Solutions industry.**

Elsewedy Electric T&D is a subsidiary of Elsewedy Electric. Elsewedy Electric T&D is heavily indulged in turn-key projects throughout Africa. It exists with major projects, such as rural electrification, street lighting, electric transmission and distribution in Egypt, Sudan, Ethiopia, Ghana, Algeria, Mozambique, Zambia, Equatorial Guinea and many more in the pipeline. Currently, Elsewedy Electric T&D aims to extend its turnkey projects service to other continents as well; South America and Europe are definitely a long term aim.

## We provide powerful & complete solutions for our customers from pre-sales to after sales ensuring our customers' satisfaction:

- Design, engineering, supplying, installation, testing and commissioning of overhead transmission lines & substations.
- Design, engineering, manufacture, supply, installation, testing, commissioning and startup of rural distribution systems.
- Design and installation of industrial electrical power distribution systems.
- Street lighting schemes.
- Rural electrification schemes.



## Power Generation

- World record for delivering 500MW ON TIME in 5 months in 10 different locations

- 000 ,760 working hours
- 170,000 m3 of concrete
- 000 ,900 km of logistic transportation
- 000 ,000 ,2 ton of materials supply
- 000 ,60 m of cables



### Egypt Emergency Power Project

Capacity  
(500MW)



### Angola Emergency Power Project

Capacity  
(150MW)

- 150 MW nominal powers distributed over 2 sites in 3 months

- 000 ,456 working hours
- 000 ,102 m3 of concrete
- 000 ,540 km of logistic transportation
- Plant Fast track basis.

- First substation in the New Capital and the biggest substation in the ME
- 2,400,000 safe working hours.
- Project duration 11 months



**S1 500/220/66  
/22 KV GIS S/S**  
Substation

Egypt



**8 x 500 and  
220 KV GIS**  
Substation

Egypt

- 220/500 kV GIS Substations
- 1079 Egyptian workers
- 920 ,223 safe working hours
- Project duration is 11 months

## Power Substations

- World record for delivering 500MW ON TIME in 5 months in 10 different locations

- 000 ,760 working hours
- 170,000 m3 of concrete
- 000 ,900 km of logistic transportation
- 000 ,000 ,2 ton of materials supply
- 000 ,60 m of cables



### Egypt Emergency Power Project

Capacity  
(500MW)



### Angola Emergency Power Project

Capacity  
(150MW)

- 150 MW nominal powers distributed over 2 sites in 3 months

- 000 ,456 working hours
- 000 ,102 m3 of concrete
- 000 ,540 km of logistic transportation
- Plant Fast track basis.

- 161kV transmission line from Asawinso to Mim through Juabeso 170km
- Construction of a new 161kV Substation at Juabeso
- Construction of a new 161kV Substation at Mim
- Extension of existing 161kV substation at Asawinso



**Western  
Region**  
Substation

Ghana



**MRGF1  
Project**  
Substation

Ethiopia

Design, supply, installation, testing and commission on turnkey basis of 12 substations:

- 4 S/S 132/230KV
- 3 S/S 33/32/230KV
- 1 S/S 15/66/132KV
- 3 S/S 15/33/132KV
- 1 S/S 33//66KV

## Power Substations

Design, supply, installation, testing and commission on turnkey basis of 8 substations

- 1 S/S 33/88/132KV
- 2 S/S 33/66KV & associated lines
- 5 S/S 11/33KV & associated lines



### Distribution Expansion and Reinforcement Projects

Zambia



### 2 x 160MVA, 11/132kV GIS Substation

Kuwait

- Engineering, Procurement, Delivery, Installation and Commissioning of two complete 160MVA, 11/132kV GIS Substations.

Design, Engineering, Supply,  
Construction Works, Testing &  
Commissioning of 10 substations:

- 3 S/S 30/60KV AIS
- Rehabilitation of 18 transformers
- 7 S/S 10/30KV



**Et Mise En  
Service Des  
Ouvrages  
Suivants**  
Substations

Algeria



**Plant's HV**  
Substation  
of 115/13.8 kV

Saudi Arabia

### Description

Modification of the Plant's HV Substations of 13.8/115 kV on Turn-key contraction and all other related distribution substations and underground cabling to link the modified SS to nearest BSP with UG cable route of 6 KM double circuit at Dammam.



## Beni Suef Nile Crossing Towers

Egypt

### 500 KV OHTL Beni Suef - Egypt - Nile Crossing Tower - OHTL

- 500 KV OHTL
- A total of 358km
- Project duration 14 months
- Tallest Transmission tower in the MENA region
- In house design of Nile Crossing Towers
- Type test and approval of 12 towers
- Standing at 145m, the Nile Transmission Tower is higher than the greatest pyramid (139m)

**500KV OHTL Akhmeem Project  
Egypt - OHTL**

- 500KV OHTL
- 356 KM
- 850 Egyptian workers
- 1,224,000 safe working hours
- Project duration 6 months



**Akhmeem**  
Project

Egypt



**Zafarana2**  
Project

Egypt

Construction, Civil, Installation & Stringing of Zafarana2/Bani Suif East 220kV OHTL (Total length approx. 40km).

**500 KV OHTL Beni Suef –  
Egypt - OHTL**

- 500 KV OHTL
- 23 KM
- Project duration 75 days

**Al Kayan  
Project**

Egypt

**Kuriemat  
Project**

Egypt

**500KV OHTL Kuriemat Project –  
Egypt - OHTL**

- World record for delivering 500KV OHTL DC triple conductor in 4 months as turnkey
- 160 KM
- 000 ,100 working hours
- 300 labor on site

**220 KV OHTL Gabal Al Galala  
Project - Egypt - OHTL**

- The project was delivered in 30 days
- 25 KM
- 000 ,10 working hours
- 10,000 m3 of concrete
- 200 ton of reinforced steel
- 350 ton of steel towers
- 250 labor on site



**Gabal Al  
Galala**  
Project

Egypt



**Abo Quir  
-Badr**  
Project

Egypt

**500kV Single Circuit OHTL Abo  
Quir - Badr - Egypt - OHTL**

Design, manufacturing, supply and construction for“ABU QUIR-BADR Single Circuit 500kV OHTL Contract Package” for ABU QUIR-BADR Project three lots (total length approx. (342km) on turnkey basis.

## Overhead Lines

### Rural Electrification & Service Connection – Yemen - OHTL

Supply & Installations of the following on turnkey basis:

- 378 kms of 11KV AAC OHTL conductor
- 263 nos. 0.415/11 KV distribution transformer
- 2412 kms of XLPE cable
- 29,767 service connections & construction of 5MVA, 11/33KV outdoor substation



### Rural Electrification & Service Connection Project

Yemen



### Overhead Lines

Egypt

### "Procurement of 132kV Overhead Lines From LS MFEZ to CHAWAMA From CHAWAMA to CHILANGA" – Zambia - OHTL

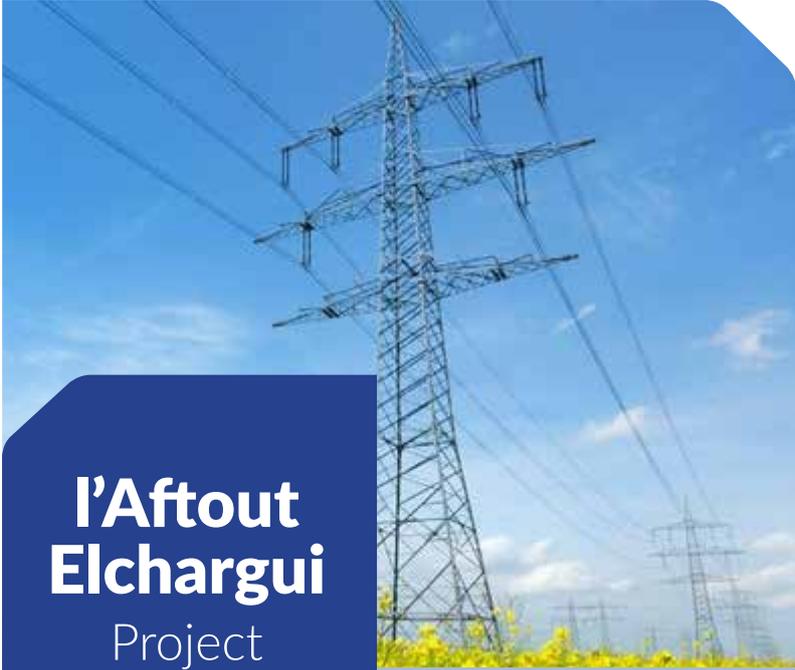
Design, Engineering, Installation, Testing & Commissioning on turnkey basis for the following:

- Construct 18 Km, 132kV double circuit monopole line with Kingbird conductor and OPGW, from LS MFEZ to Chawama Substation.
- Construct 7.5 Km, 132kV single circuit line with Kingbird conductor and OPGW, from Chawama to Chilanga Substation.
- Decommission existing 33kV lines from Chilanga to Chawama substation (Approx. 10 Km) .

### Projet d'Électrification Rurale de la Zone de l'Aftout Elchargui, 2 Lots - Mauritania - OHTL

Design, Engineering, Installation, Testing & Commissioning on turnkey basis for the following:

- Lot 105-:1 Km, 132 KV OHTL, Lattice Steel Tower, Single circuit Single conductor. 2 Bays 132 KV AIS Type. One 10 MVA, 33/132 KV Transformer.
- Lot 405-:2 Km, 33 KV OHTL, Metal Poles. LV Distribution networks for 36 points, including Wooden Poles, ABC conductor, Meters, ready boards.



## l'Aftout Elchargui Project

Mauritania



## Distribution transformers

Zambia

### Supply and delivery of distribution transformers - Zambia - Distribution

- Lot50/25 :1 KVA - 0.4/33 KV
- Lot200/100 :2 KVA - 0.4/33 KV
- Lot500/315 :3 KVA - 0.4/33 KV
- Project duration 12 months

## Various **Projects**

### **Outdoor Lighting Project – Ghana - Distribution**

- Regional capital street lighting project at 4 towns
- 200 KM of street lighting
- Project duration 12 months



Ghana



Ethiopia

### **Supply of Distribution Materials – Ethiopia - Distribution**

- Lot1: supply of distribution transformers 33kv, 15kv
- Lot2: supply of MV, LV 33kv, 15kv switch gear
- Lot3: supply of AAAC conductor, ABC cables
- Lot4: supply of OHTL accessories
- Lot5: supply of insulator 33kv, 15kv
- Lot6: supply of hard wares
- Project duration 12 months



**Fund**  
Project

Ghana

**Ghana Fund Project Contract No. ECG  
ELSW/01/08 P-24-08 – Ghana - Distribution**

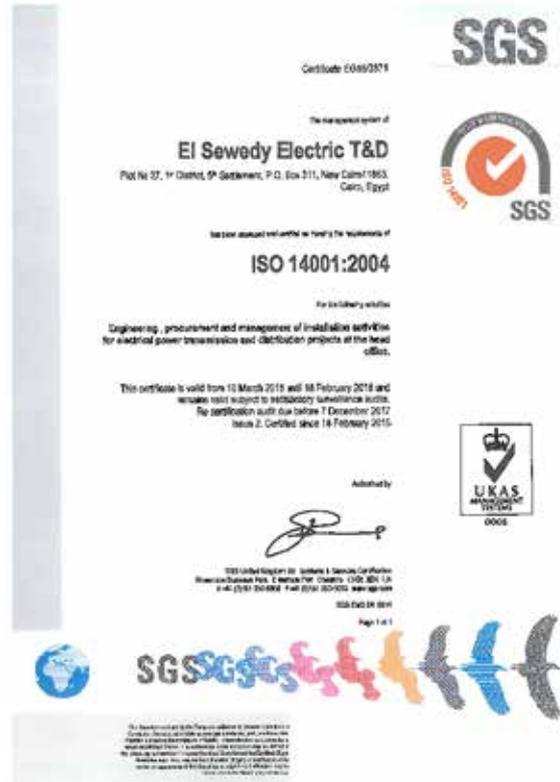
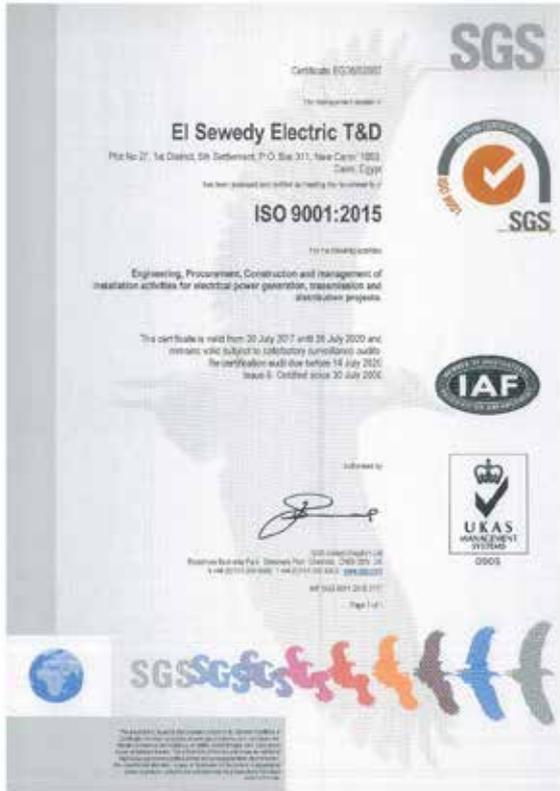
Design, supply, installation, testing and commission on turnkey basis the following:

- Gbawe Ajaman Complete with cable works
- Construction of 50km, 2x40 MVA, 33kV

Overhead lines

- Darkuman 11/33kV Indoor Substation
- Gbawe Adjaman 11/33kV Outdoor Substation
- Project duration 8 months

# Quality Certificates



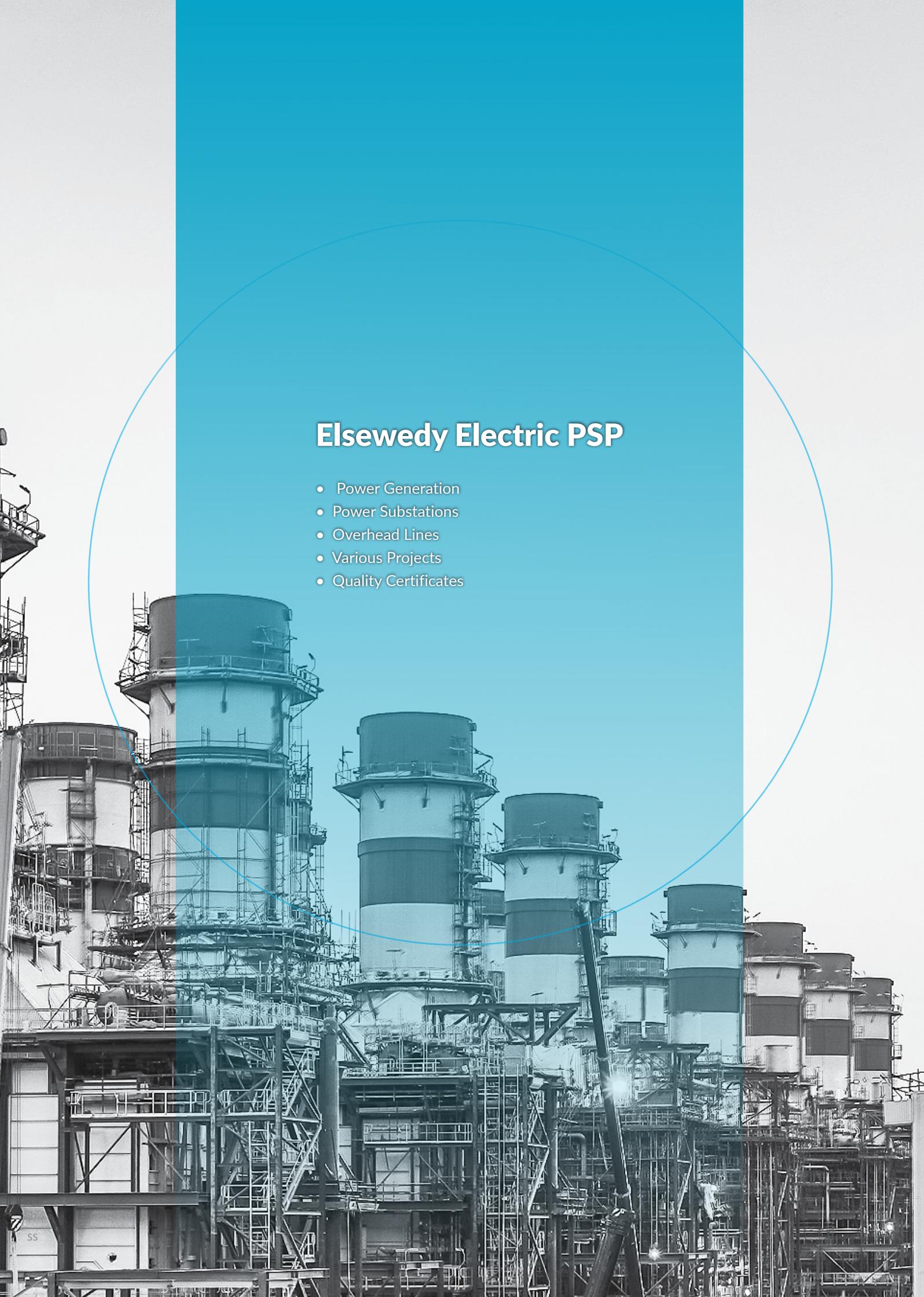
The image shows the interior of a power substation. It is filled with large, white, cylindrical electrical equipment, likely transformers or circuit breakers, arranged in rows. The equipment is supported by a metal framework. In the background, there is an orange overhead crane with the text "S.W.L 5" visible. The ceiling is white with recessed lighting. The overall scene is industrial and well-lit.

# Power Transmission & Distribution

**South  
110 Military**  
Substation

# Elsewedy Electric PSP

- Power Generation
- Power Substations
- Overhead Lines
- Various Projects
- Quality Certificates



# Power Systems Projects

## *Design to Build... Engineering, Procurement & Construction Management*

### Introduction

Specialized in power generation, renewable energy, water and wastewater, mobility and oil and gas projects, ELSEWEDY ELECTRIC PSP is a vast growing company with a solid business vision penetrating the international market.

ELSEWEDY ELECTRIC PSP offers its clients integrated energy solutions leveraging on; technical and commercial competencies, top notch project management methodologies, a data driven culture through advanced digital asset by +300 trained engineering professionals, ensuring value through the designs offered to our clients, guaranteeing efficient global sourcing strategies as well as maintaining world class QHSE measures.

Contributing to communities with more than 40,000 megawatt, we stand with a track record of successfully

delivered mega and complex energy projects, specifically fast-track, providing our clients with comprehensive solutions that meet their needs and objectives.

Being part of ELSEWEDY ELECTRIC Group, supplements our capabilities with a large industrial base, in Egypt, Africa, Middle East and Europe, specialized in electrical products and relevant support industries; steel fabrication, steel rolling, cement production and ready-concrete.

Today, ELSEWEDY ELECTRIC PSP has a proven record of running and fully delivered projects across the region moving from Egypt, UAE, KSA, Iraq, Qatar, Libya, Algeria, Cameroon and Tanzania. We thrived to establish a strong platform of strategic alliances around the globe as well as sustain our customers' satisfaction and continuous revenue growth.

### Our Value Adding Competences

1. **Engineering capabilities** ELSEWEDY ELECTRIC PSP maximizes its technical capabilities through our "in-house" +300 engineering team, building a data driven culture. Our strategy is more than to acquire and use advanced software, it is to develop and customize software and systems to best optimize design, construction and operations.

2. Adopting top notch **Project Management** methodologies. Our EPC capabilities is translated into advanced

constructability know-how, high customer reliability and international quality and safety measures in every project.

3. Leveraging on our expertise in dealing with complex, fast track projects, ELSEWEDY ELECTRIC PSP's **Supply Chain** Division has immensely enhanced its services and expanded globally to procure best quality products and services respecting detailed technical requirements and strict timelines.



## Featured **Projects**



# Attaqa Simple Cycle Powerplant

Capacity  
(650 MW)

**Project Location:**

Suez, Egypt.

**Owner:**

East Delta Electricity Production Company (EDEPC)

**Project Description:**

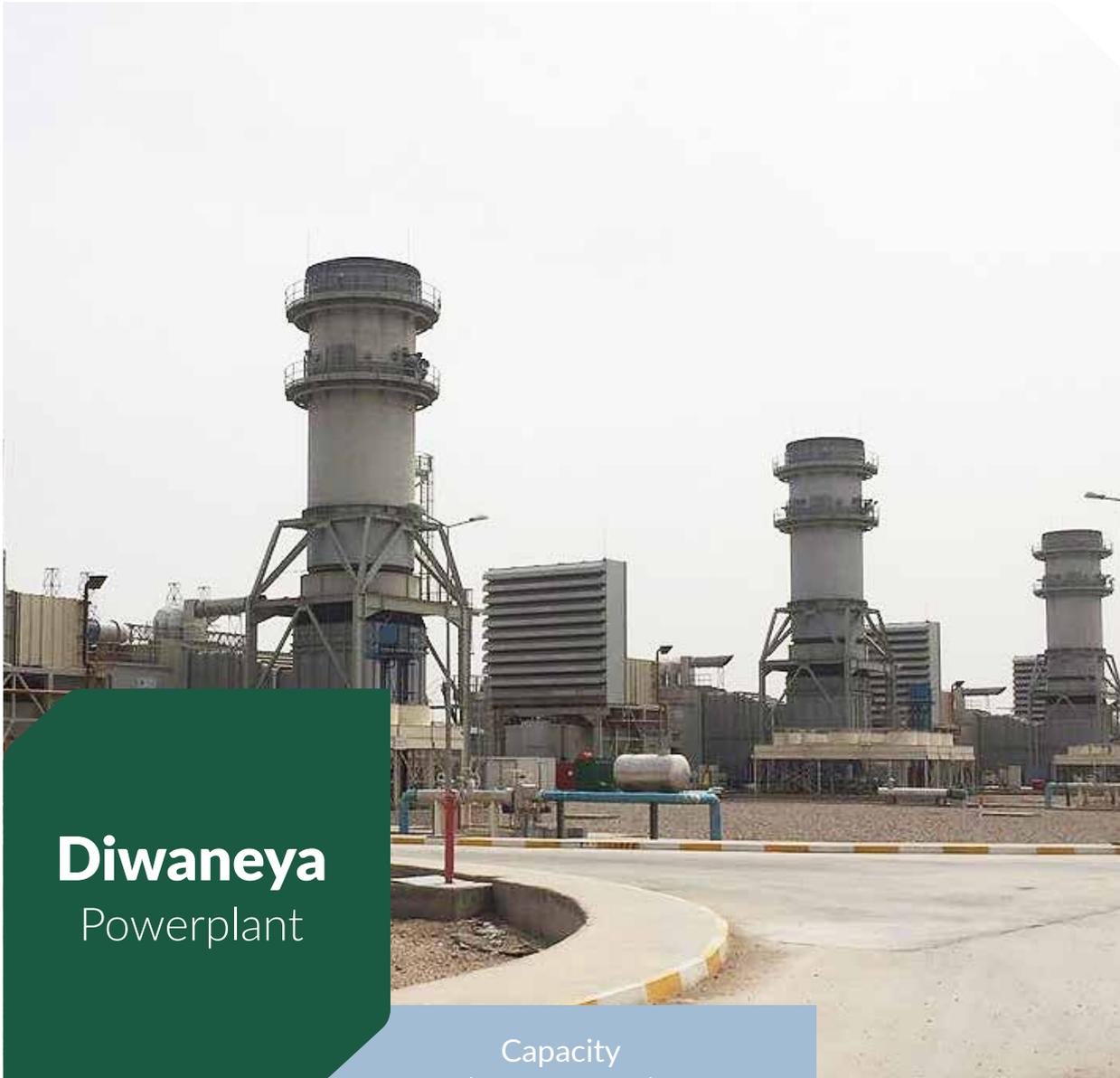
The design, supply, construction and commissioning of 650 MW (ISO) Simple Cycle Power Plant Project. The Simple Cycle is based on four (4) SIEMENS Gas Turbines, 4 x STG5-2000E.

**Main Contractor:**

ELSEWEDY ELECTRIC PSP using SIEMENS Technology

**Fast Track Project – Power on Grid in 159 Days**

Smashing worldwide records, ELSEWEDY ELECTRIC PSP scope involved the engineering, procurement, construction and commissioning of 4 E-Class gas turbines manufactured by SIEMENS AG.



## Diwaneya Powerplant

Capacity  
(500 MW)

**Diwaneya**

500 MW Gas Turbine Power Plant

**Commencing Date:**

February 2013

**Delivery Date:**

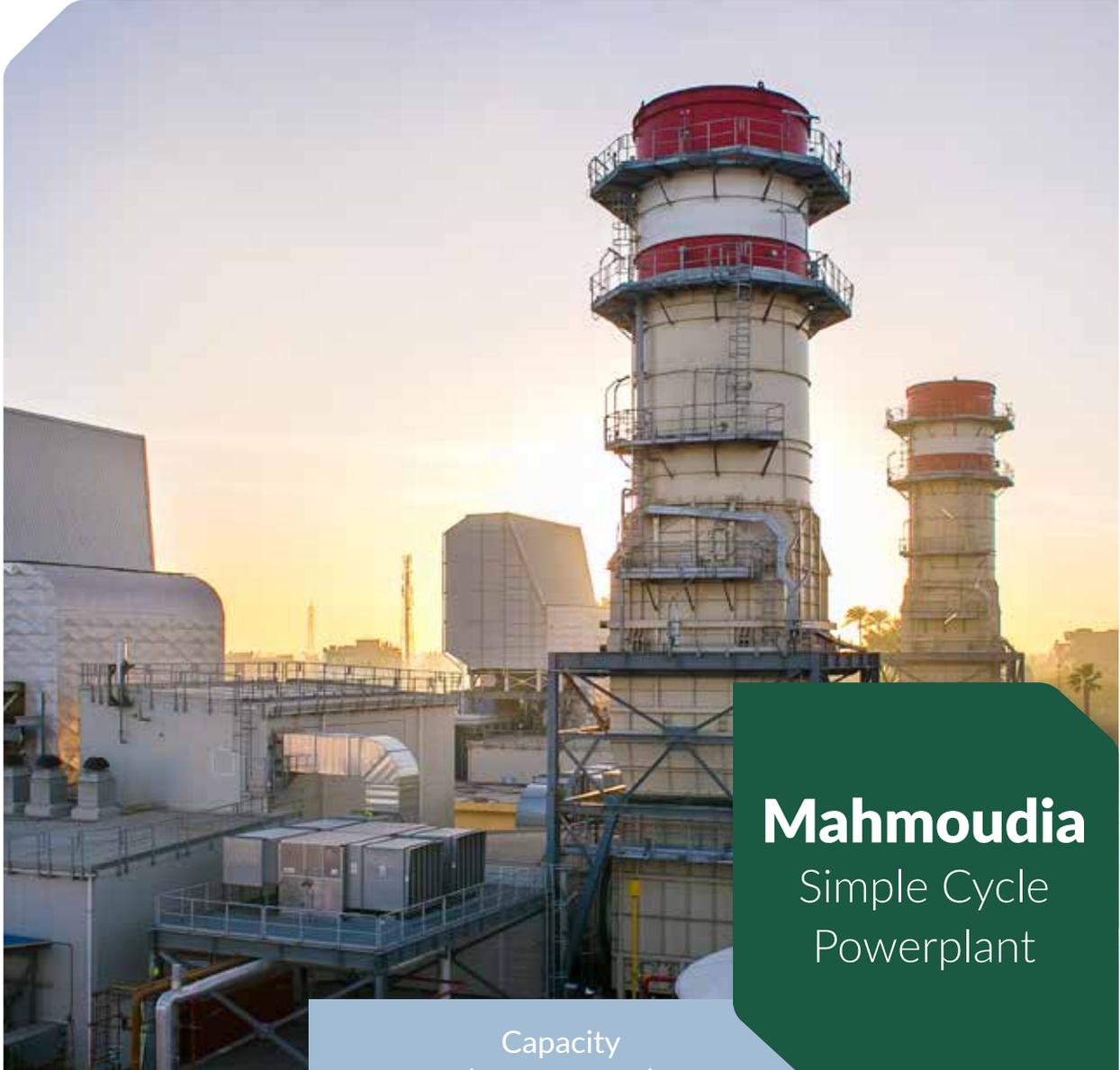
February 2015

**Project Description:**

EPC (Engineering, procurement and Construction) of AL-DIWANIYA Gas Turbine Power Project (4x125MW)

**Owner:**

The Ministry of Electricity/General Directorate for Gas Power Plants Projects of the Republic of Iraq



## Mahmoudia

Simple Cycle  
Powerplant

Capacity  
(330 MW)

**Project Location:**

Mahmoudia, Beheira, Egypt

**Owner:**

Middle Delta Electricity Production Company (MDEPC)

**Project Description:**

The project involves the design, supply, construction and commissioning of Mahmoudia Simple Cycle Power Plant Project. The Simple Cycle is based on Two AE 94.2 gas Turbines

**Main Contractor:**

ELSEWEDY ELECTRIC PSP using Ansaldo Technology.

**Bewildering Duration of 210 Days... 5,212,488 MAN-HOURS**

Using sophisticated Italian technology, Ansaldo E-class gas turbines powered 330 MW to the national grid in a bewildering duration of 210 days consuming 3,500,000 man-hours with zero LTIs.



# Bani Suef

Combined  
Cycle  
Powerplant

Capacity  
(4800 MW)

**Project Location:**

Beni Suef, Egypt

**Owner:**

Upper Egypt Electricity Production Company

**Project Description:**

Engineering, procurement, construction, testing, commissioning, start-up and civil works for 4x 1200 MW (SCCP5-8000H 4 x (2+1), WCT, Combined Cycle Power Plant

**Main Contractor:**

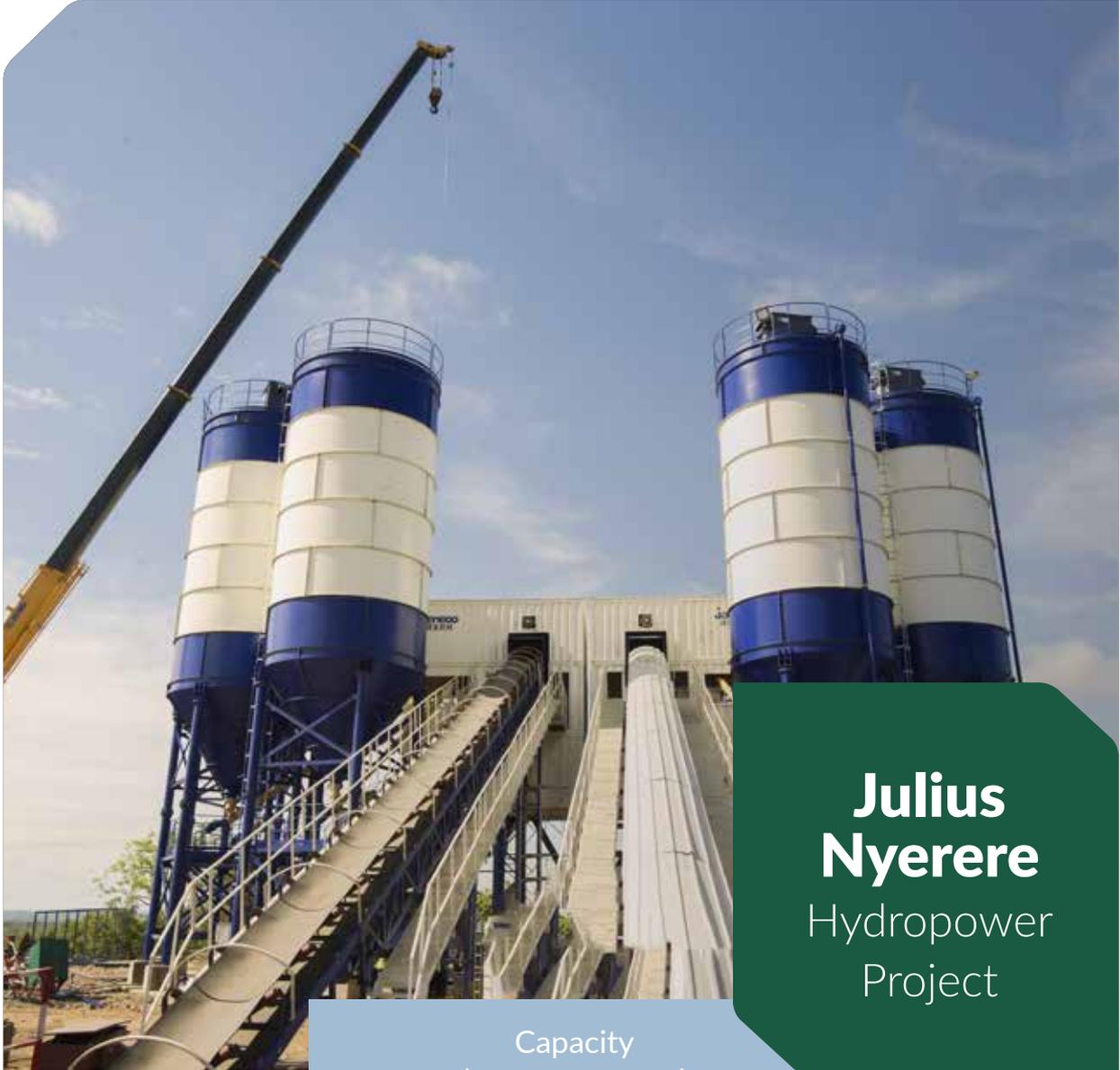
The Consortium of Siemens AG & ELSEWEDY ELECTRIC

**The world's Largest Combined Cycle Power Plant Ever Built on Fast Track Basis - Duration of 33 Months.**

Beni Suef combined cycle power plant marks a significant milestone in the Egyptian government's strategic plan to modernize the energy infrastructure and serve as a backbone for the economic prosperity.

On 2013, Egypt was experiencing a serious energy crisis resulted into prolonged frequent blackouts that created a widespread frustration.

The Egyptian Ministry of Electricity developed an emergency plan promising to recover Egypt's energy deficit and solve the energy shortage through fast track projects adding 2.48 GW to the national grid.

Featured **Projects**

# Julius Nyerere

## Hydropower Project

Capacity  
(2115 MW)

**Project Location:**

Rufiji, United Republic of Tanzania.

**Owner:**

Ministry of Energy and Minerals (MEM), The United Republic of Tanzania

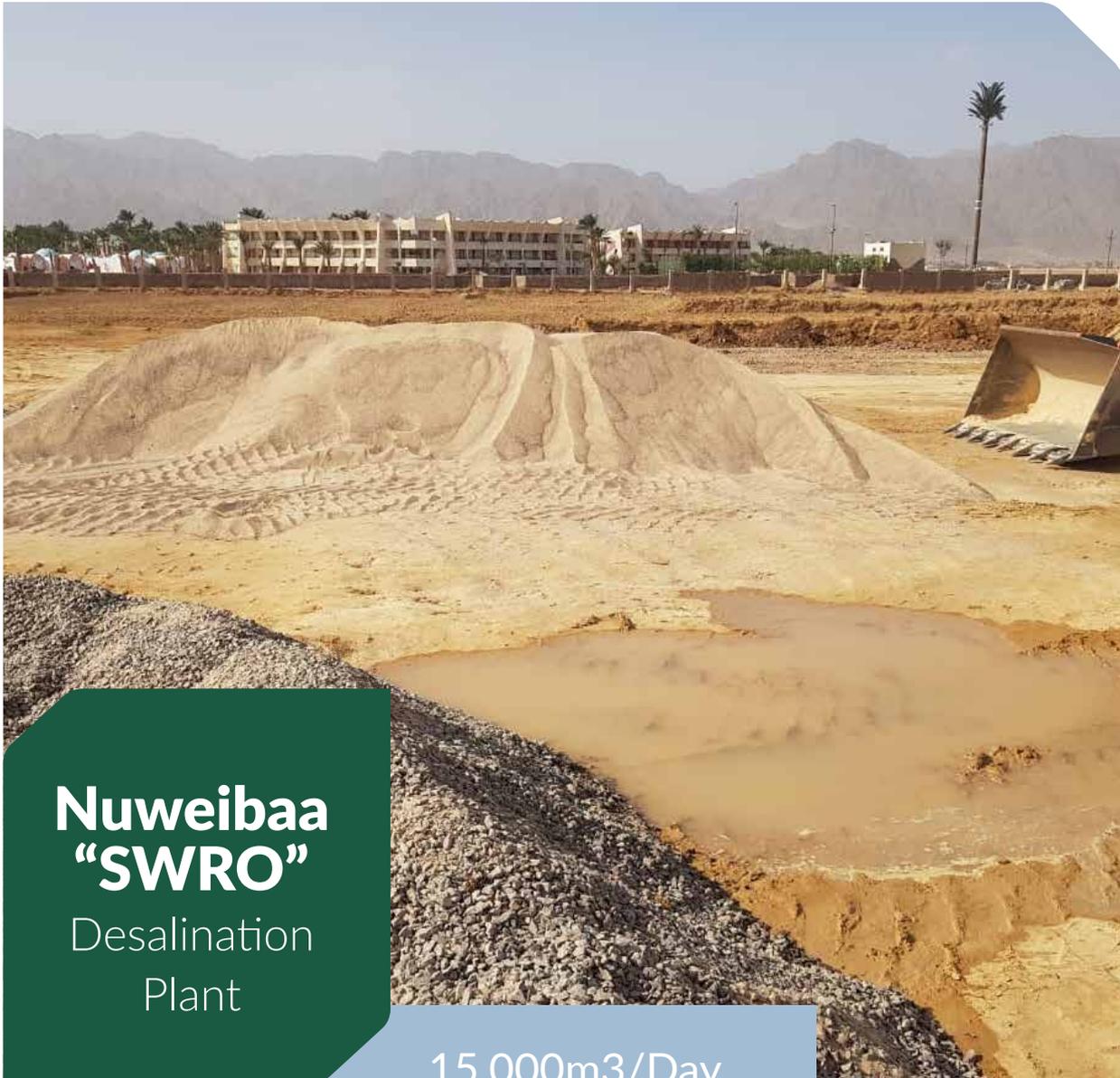
**Project Description:**

The project involves the design, supply, construction and commissioning of 650 MW (ISO) Simple Cycle Power Plant Project.

**Main Contractor:**

JV of THE ARAB CONTRACTORS & ELSEWEDY ELECTRIC S.A.E.

Entrusted by the Government and People of Tanzania for the Execution this National Mega Project as Part of the Infrastructure and Industrial Evolution that will Impact the Life of 60 Million People.



# Nuweibaa "SWRO" Desalination Plant

15,000m<sup>3</sup>/Day

### **Water Segment Penetration - Our First Water Desalination Project**

#### **Project Location:**

Nuweibaa, South Sinai, Egypt

#### **Owner:**

The Armament Authority, Egypt

#### **Project Description:**

Nuweibaa Reverse Osmosis Desalination Plant is designed for delivering 15,000 m<sup>3</sup>/day of potable water and composed of (3) Three streams each stream 5,000 m<sup>3</sup>/day. Reverse osmosis unit consists of:

- High pressure pump.
- Energy recovery system
- Pressure vessels and membrane.
- Membrane cleaning unit (CIP).

#### **Main Contractor:**

The JV of "GIS Aqua & ELSEWEDY ELECTRIC PSP" using GIS Aqua Technology.

## Featured Projects



# AWEER

## Simple Cycle Power Plant

Capacity  
(815 MW)

### UAE Market Penetration

The 815-megawatt gas-fired open cycle power project is located in Al Aweer in the Emirate of Dubai and shall start producing energy by 2020. The power plant consists of three Siemens F-class gas turbines with generators.

The project comes to meet the continued growth in demand for electricity in the Emirate of Dubai and works to establish the status of Dubai as a leading model in the region for its effective and efficient electricity and water infrastructure supply to drive sustainable development, and happiness for generations to come.

### Project Location:

Dubai, United Arab Emirates

### Owner:

Dubai Electricity and Water Authority

### Project Description:

Simple Cycle Gas Turbine Power Plant Project On turnkey basis. The plant consists of three F-Class Machine manufactured by Siemens AG with its auxiliaries and ancillaries.

### Main Contractor:

ELSEWEDY ELECTRIC PSP and SIEMENS



# AL LAYYAH

Combined  
Cycle Power  
Plant

Capacity  
(1,026.3 MW)

The 1,026.3-megawatt gas-fired combined cycle power project is located in Al Layyah in the Emirate of Sharjah and shall start producing energy by 2020. The power plant will consist of one power block manufactured by MHPS contains two M701F gas turbines, two heat recovery steam generators, one steam turbine, and three generators. Our scope of work, representing approx. 65% of the Project Works, includes engineering, procurement and installation of balance of plant in addition to the erection and installation of the MHPS gas & steam turbines.

**Project Location:**

Sharjah, United Arab Emirates

**Owner:**

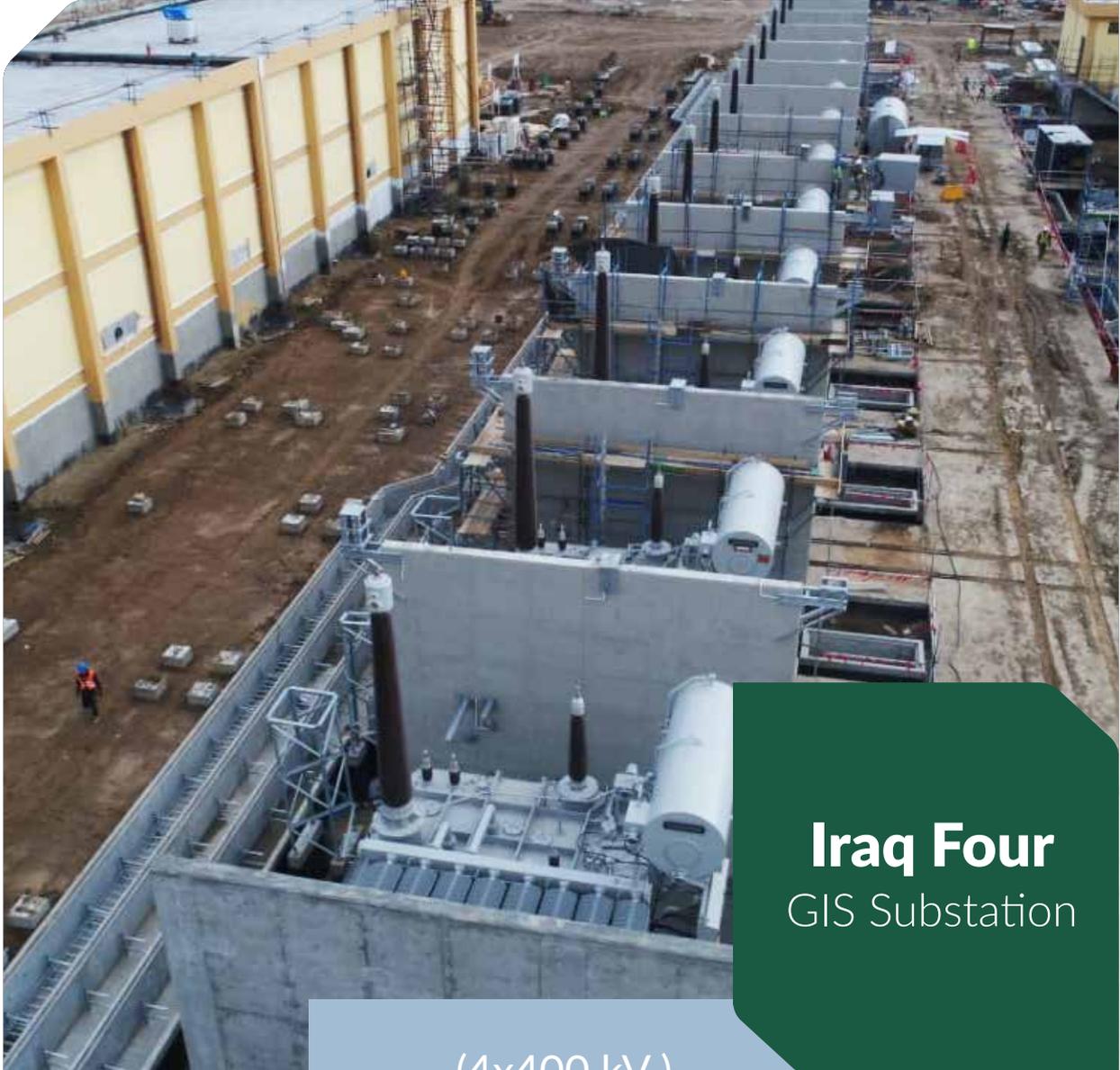
Sharjah Electricity and Water Authority (SEWA)

**Project Description:**

1026 MW combined cycle Power Plant On turnkey basis

**Main Contractor:**

ELSEWEDY POWER & Mitsubishi Hitachi Power Systems.



## Iraq Four GIS Substation

(4x400 kV)

### **Complete EPC-plus-finance Supported by JIBC**

#### **Project Location:**

Basra, Al Nasiriyah, Amarah and Samawah, Iraq

#### **Owner:**

Ministry of Electricity, Iraq

#### **Project Description:**

Engineering, procurement, and construction of 4X400 kV/132 kV GIS Substations in Iraq, including testing, commissioning, site preparation works, and civil construction.

#### **Main Contractor:**

ELSEWEDY ELECTRIC PSP using Toshiba technology.



## Assuit Supercritical

Power Plant  
Steam  
Power Station

Capacity  
(1X650)

**Complete Mechanical Package on Turn-key basis**

**Project Location:**

Assuit, Egypt

**Owner:**

Upper Egypt Electricity Production Company

**Project Description:**

The engineering, procurement and construction of supercritical power plant including One 650 MW steam power stations.

**Main Contractor:**

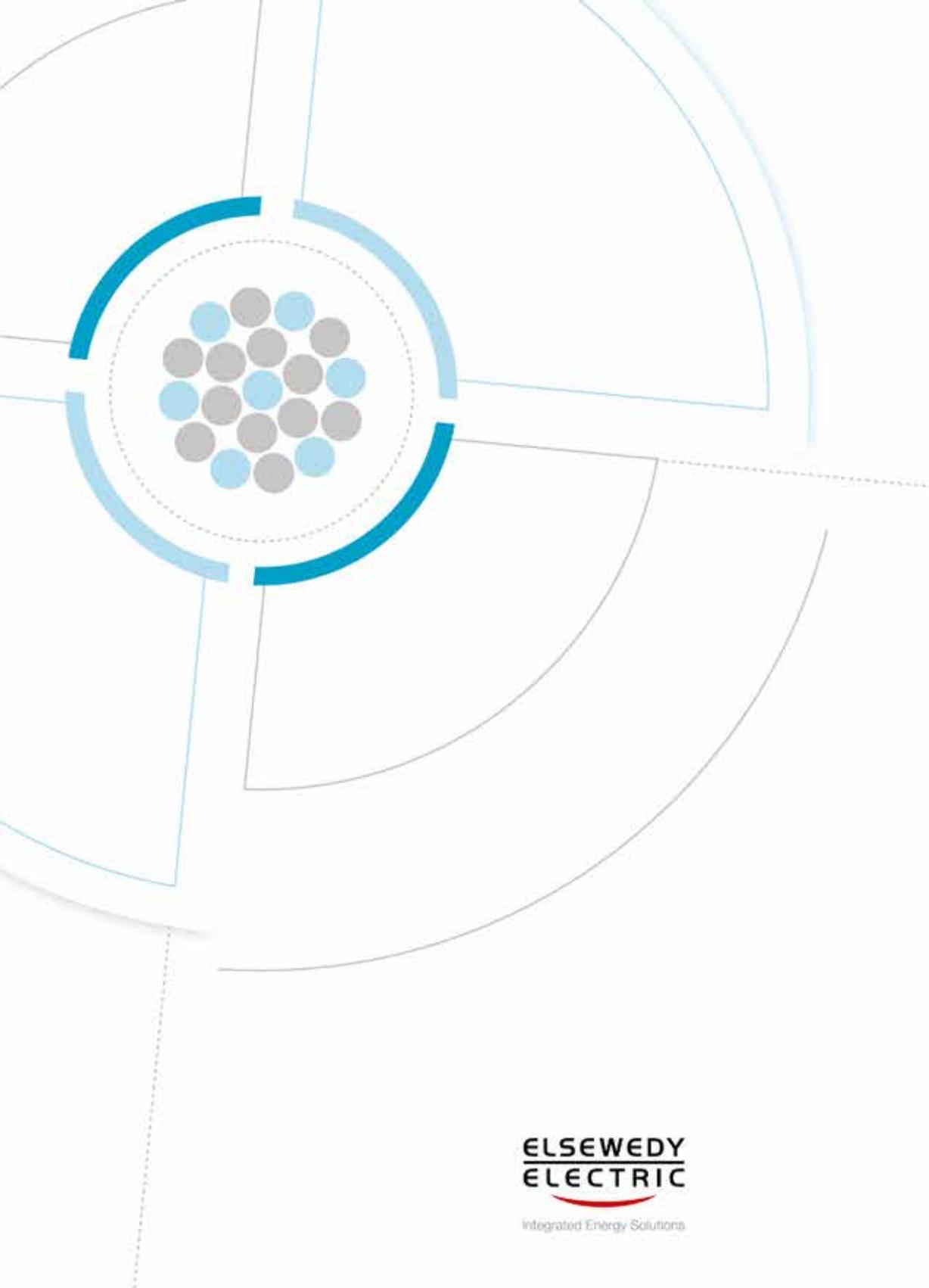
ELSEWEDY ELECTRIC PSP



# Power Systems Projects



**Mahmoudia**  
Power Plant



**ELSEWEDY  
ELECTRIC**

Integrated Energy Solutions

## **ENGINEERING & CONSTRUCTION** FOCUS CATALOGUE

Plot 27, 1<sup>st</sup> district, road 90, 5<sup>th</sup> Settlement  
New Cairo, Cairo - Egypt.  
Tel. : +202 275 99 700 / 1  
Fax: +202 275 99 731  
E-mail: info@elsewedy.com

[www.elsewedy.com](http://www.elsewedy.com)

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