



El Sewedy Electric T&D

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

ELSEWEDY  
ELECTRIC  
T & D



## El Sewedy Electric T&D Prequalification

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www.elsewedyelectric.com

2010

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## El Sewedy Cables

The prime cables manufacturer in Egypt, Africa and the Middle East has become a significant force in contributing to the Egyptian economic growth, whilst becoming a well established group with extensive holdings creating several manufacturing industries and services in Egypt and throughout Africa and Middle East.

## El Sewedy Electric for Transmission & Distribution (EE T&D)

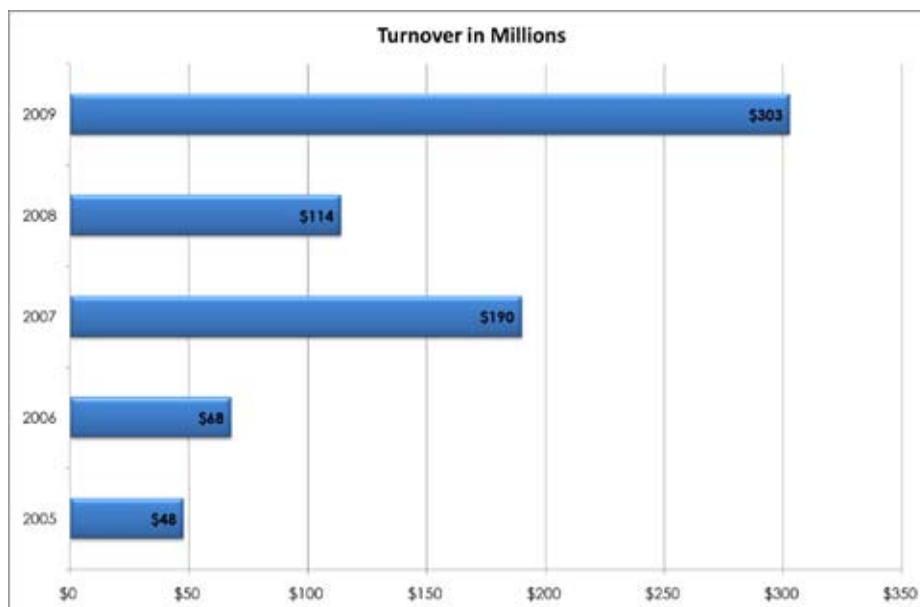
A subsidiary of El Sewedy Cables was created with ambitious goals to combine the best possible skills and experiences in design, install, commission and supply of all electrical installations on turnkey basis. Backed up with the 72 years of long track record and experience of El Sewedy Cables, EE T&D managed to successfully penetrate the African market and aggressively working on penetrating the Middle Eastern market with its turn-key-projects service.

EE T&D is an international organization specialized in the supply, installation and commissioning of electrical equipment on a turnkey basis and services to utilities and industries throughout Africa and the Middle East. EE T&D offers a complete design, procurement and installation service, covering all aspects of transmission, distribution and power generation. EE T&D maintains its international presence through a large global network of agents & partners, as well as through its professional management, centralized in its headquarters in Egypt.

EE 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 Sudan, Ghana, Algeria, Mozambique, Zambia, Equatorial Guinea and many more in the pipeline. Currently, EE T&D aims to extend its turnkey projects service to other continents as well; South America and Europe are definitely a long term aim. EE T&D is currently finalizing contracts to start projects in Zambia, Mozambique, Tanzania, Ethiopia, Rwanda and Equatorial Guinea.

Moreover, regarding the local market, EE T&D is approaching the residential and infrastructure projects to perform the electrical scope within those projects. Over and above that local aim, EE T&D aims to extend its residential / infrastructure approach to the Middle East, Gulf Region and capitalize on the ongoing crisis to penetrate Europe as well. EE T&D is currently evaluating a proper and strong penetration to the Arabian Gulf market.

EE T&D is aggressively approaching the local market through genuine infrastructure projects, capitalizing on & accommodating to the current world financial crisis. Infrastructure projects are the most optimum resort economically to enable countries / markets face such crisis and keep the economic wheel running.



## Advantages and points of strength

- El Sewedy Electric offers a wide range of high, medium and Low voltage materials and equipments manufactured by El Sewedy group of companies and sourced from its preferred international suppliers.
- The company strives to secure complete client satisfaction by offering the best materials to suit each customer's requirements at an optimum price with the fastest delivery time maintaining the required quality standards and customer specifications.
- Procurement team facilitates prompt sourcing of materials and strict control over all aspects of supply and delivery processes.
- We have a track record in successfully executing turnkey projects taking overall responsibility for all development phases.
- We are highly selective in our selection of supplies to ensure best performance and best prices.
- We offer services to a wide range of clients such as
  - Public and private power utility companies,
  - Industries,
  - Governmental agencies.

## Our Mission



- Support El Sewedy Cables factories.
- Support our economy.
- Help the growing countries all over the Middle East & Africa in develop its infrastructure.
- Continuous development for our man power & systems to get the best performance and quality for the end user.
- Provide a safe & reliable electrical energy with best price & quality.

## Our Vision



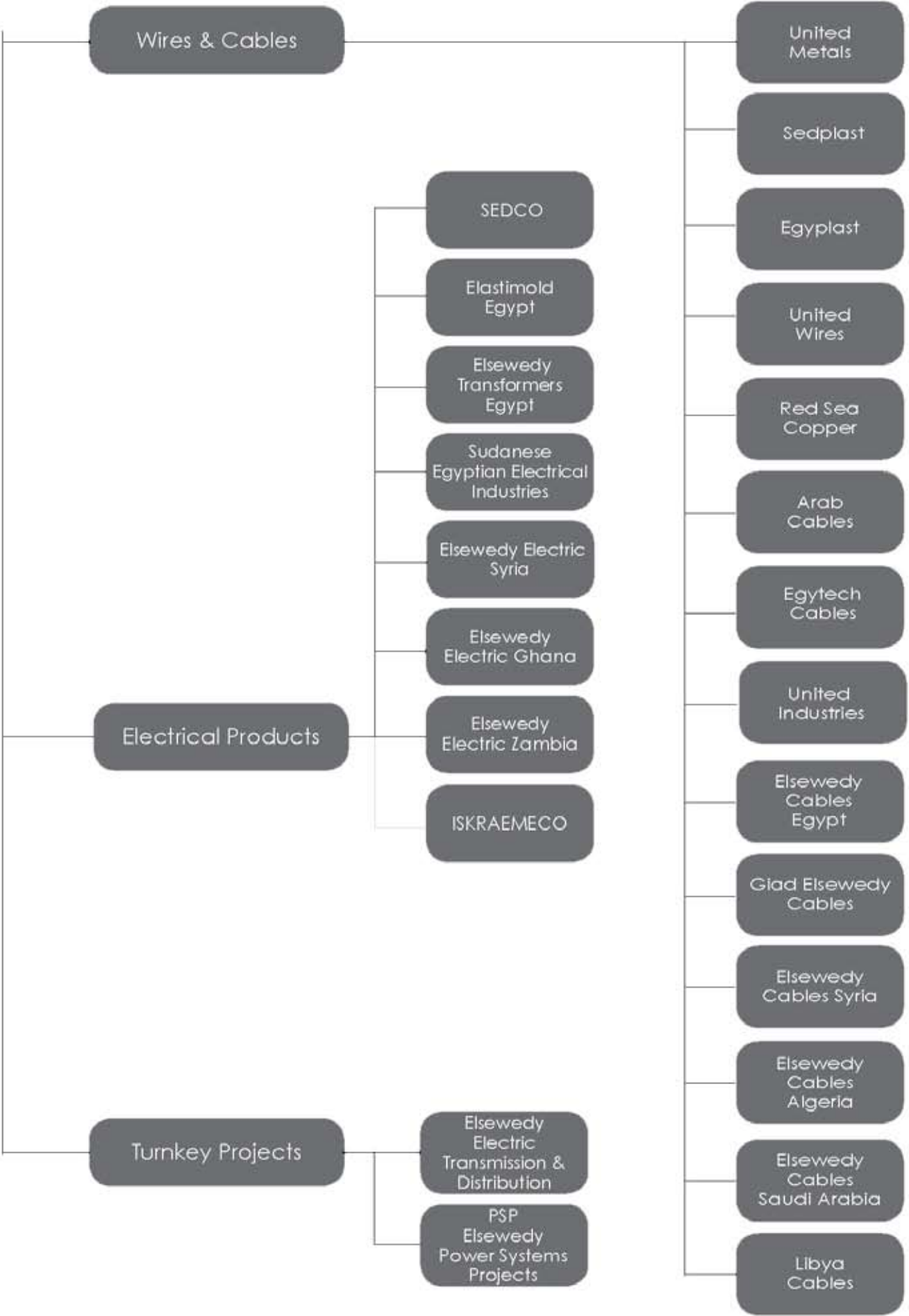
- To be one of the top ten brand names world wide in providing energy solutions

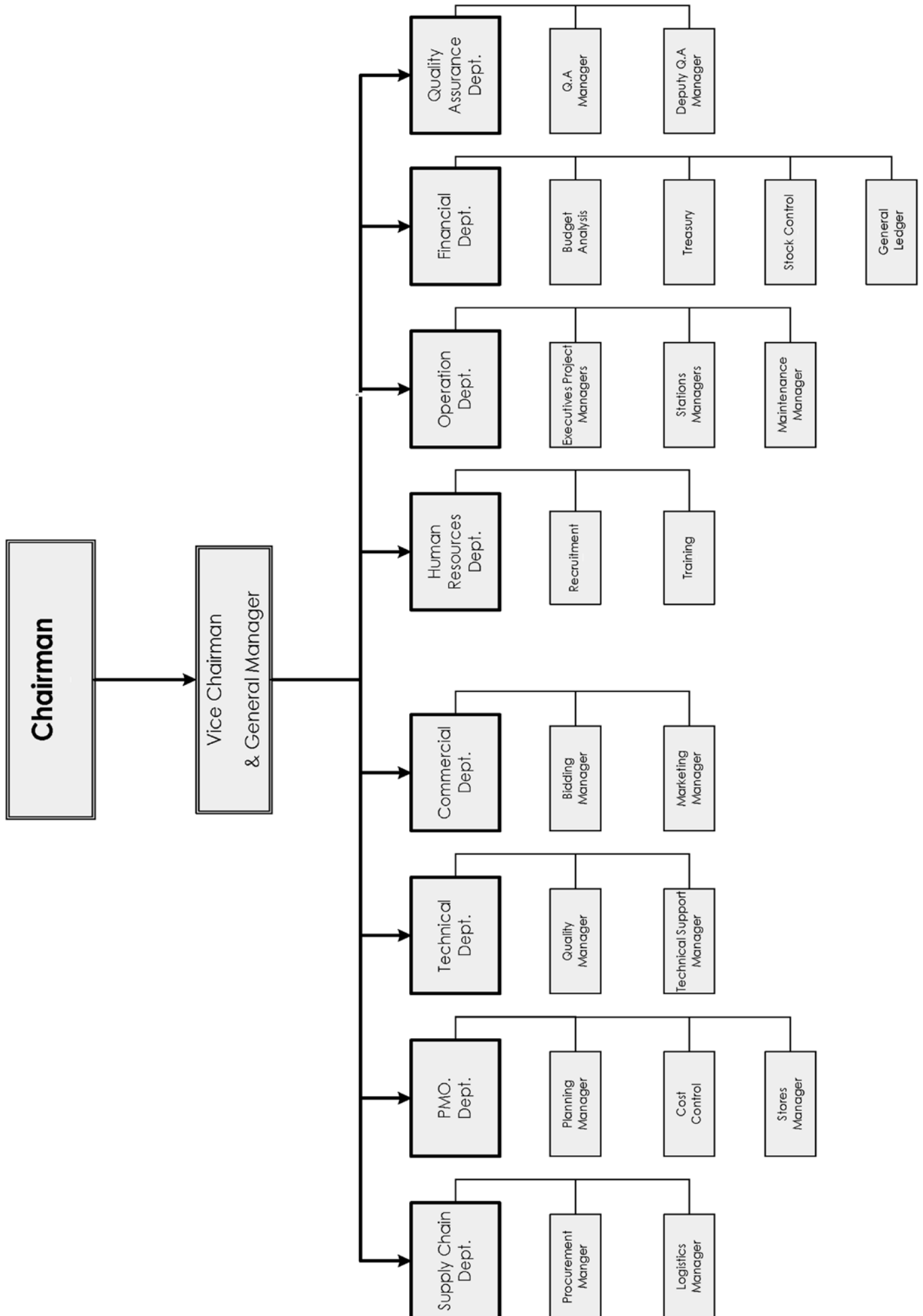
## Our believes, values



- Credability, mutual respect, reliability and integrity
- Customer loyalty
- Innovation and continuous improvement
- Working in a friendly environment
- Human capital is our greatest asset
- Quality is a must

El Sewedy Cables





## Applied Standards

- **El Sewedy Electric mainly applies the following standards:**

- IEC - International Electro Technical Commission.
- DIN-German Standard Institute.
- VDE - Association of German Electrical Engineers.
- BS - British Standards.
- EN - European Standards.
- NFPA - National Fire Protection Association.
- NEC - National Electrical Code (NFPA 70).
- IEEE - Institute of Electrical and Electronic Engineers.
- NEMA - National Electrical Manufacturers Association.
- ICEA - Insulated Cable Engineers Association.
- INETA - International Electrical Testing Association.
- ANSI - American National Standard Institute



**Generating Station**

### Overhead Transmission Lines

When electricity leaves the generating station, the voltage of the electricity is increased to a level suitable for long-distance travel across high-voltage transmission power lines.



**Homes**

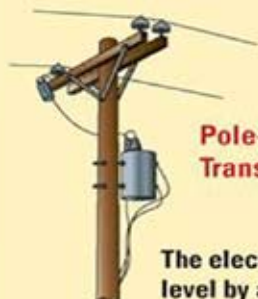
### Businesses



### Substation



Transmission lines end at substations. In the substation, the voltage of the electricity is reduced and passed through lower voltage distribution power lines.



**Pole-top Transformer**

The electricity is reduced to a safe level by a pole-top transformer in areas where distribution lines run above ground, or a pad-mount transformer (usually housed in a green box) in areas where distribution lines run underground.

**Pad-mount Transformer**



### Distribution Lines

Distribution lines carry the electricity to homes, businesses, schools and other users of electricity.





## Industrial manufactured in our group of companies

El Sewedy Electric offers the following products, which are manufactured by the group:

- High grade copper rods,
- PVC compounds and master batch for cables insulation and sheathing,
- Overhead conductors, service drop cables and optical ground wires,
- Underground power cables (Low voltage cables, Medium voltage cables, high voltage cables and extra high voltage cables up to 220 kV),
- Special cables (control cables, instrumentation cables, fire resistance cables, flame retardant cables, low smoke free Halogen cables, telephone cables, jelly filled signaling
- Cables, coaxial cables, local area network computer cables, irrigation cables, flat cables, audio cables, fiber optic cables, indoor wires, automotive wires and cables cords),
- Fiber glass poles (street lighting poles, over head energy distribution poles),
- Concrete poles and wooden poles (over head energy distribution poles),
- Joints and modular terminators for power cables,
- Cables accessories (lugs, connectors, heat shrinkable end caps, elbows).





## Mechanical equipment

- 5 Trucks.
- 12 Cranes 10 Ton.
- 6 Cranes 30 Ton.
- 36 Cars 4x4.
- 10 Excavators.
- 2 Cable Pullers Machine.
- 12 Welding Machine.
- 6 Diesel Engines Generator 40 kVA.
- 2 Diesel Engines Generator 150 kVA.
- 12 Total Stations for Civil Works.
- 25 Concrete Mixers.

## Electrical equipment

- 2 HV Tester 100 kV DC
- 1 HV Tester 50 kV AC
- 3 Megger insulation tester 0-5000 V
- 2 Secondary current injection tester 100 A
- 6 Energy power meter
- 1 Harmonic analyzer.
- 3 Earth testers.

## Stringing equipment

- Hydraulic puller machine - tensioned 4 conductor
- Hydraulic reel elevator
- Self – gripping clamps
- Hydraulic presses
- Hydraulic power unit
- Fixed joints
- 3 Bundled conductors head board
- 4 Bundled conductors head board
- Cover joint
- Temporary mesh socks joint
- Zoom sag-scope thermometer
- Supporting erection structure suspension ladder
- Spacer bicycle

## Testing & commissioning tools

- MV. switchgear test
- Power transformers test
- LV. switchboard test
- 380 V motors functional test
- MV. cables test
- LV. cables test
- Earthling system test.

## Applied standards

El Sewedy Electric mainly applies the following standards

- IEC - International electro technical commission,
- DIN - German standard institute,
- VDE - Association of German electrical engineers,
- BS - British standards,
- EN - European standards,
- NFPA - National fire protection association,
- NEC - National electrical code (NFPA 70),
- IEEE - Institute of electrical and electronic engineers,
- NEMA - National electrical manufacturers association,
- ICEA - Insulated cable engineers association,
- INETA - International electrical testing association,
- ANSI - American national standard institute.

## Quality statement

- The quality policy of EL Sewedy Electric Company is to provide products and services in conformity to our customers' requirements matching all delivery times at a competitive price. Our name must represent quality to our vendors, ourselves, and our customers,
- The top management has established quality objectives for each department which are reviewed periodically to ensure continuous improvement of the quality management system.

## Safety statement

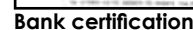
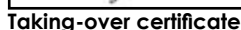
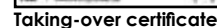
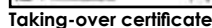
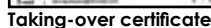
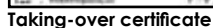
### ***The two basic requirements of a successful safety plan are***

- Complement and involvement of all people associated with the project safety program.
- Utilization of a sound simple safety plan.

### ***The main objectives of implementing such plan are***

- To perform a job safety without accidents or injuries.
- To turn the construction site to a non-hazardous work environment.



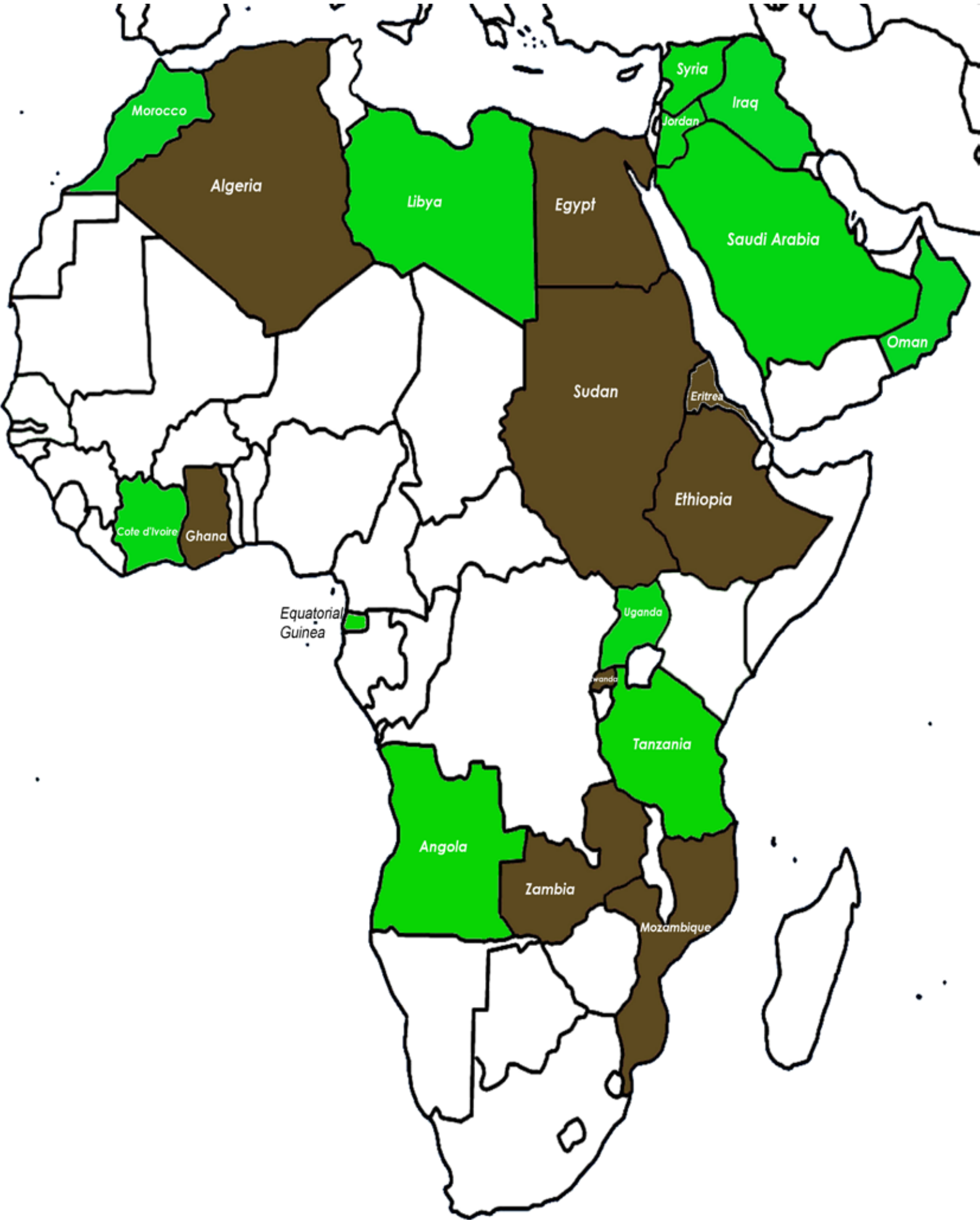




## Reference list

- El Sewedy Group had the honor to supply its products and services to a series of multinational companies and some of our clients are
- |  |                     |
|--|---------------------|
| Electricity Distribution Company (EDC)           | <b>Egypt</b>        |
| Egyptian Electricity Transmission Company (EETC) | <b>Egypt</b>        |
| Electric Power Systems (EPS)                     | <b>Egypt</b>        |
| PGESCO   | <b>Egypt</b>        |
| PHARAOH GOLD MINES NL-SUKARI                     | <b>Egypt</b>        |
| SHAKER consultancy Group                         | <b>Egypt</b>        |
| National Electricity Corporations (NEC)          | <b>Sudan</b>        |
| SONEL GAS  | <b>Algeria</b>      |
| Ethiopian Electric Power Corporation (EEPco)     | <b>Ethiopia</b>     |
| Kenya Power & Lighting Company (KPLC)            | <b>Kenya</b>        |
| Electrical Company of Ghana (ECG)                | <b>Ghana</b>        |
| Ministry of Infra structure                      | <b>Rwanda</b>       |
| Rural Electrification Authority (REA)            | <b>Uganda</b>       |
| Saudi Electricity Company                        | <b>Saudi Arabia</b> |
| Public Electricity Corporation (PEC)             | <b>Yemen</b>        |
| Electric Authority of Mozambique.                | <b>Mozambique</b>   |
| Rural Electrification Authority (REA)            | <b>Uganda</b>       |
| ZESCO Limited                                    | <b>Zambia</b>       |
| Oman Electrical Transmission Co. (SEOC)          | <b>Oman</b>         |
| National Electric Power Company (NEPCO)          | <b>Jordan</b>       |
| Electrical Authority of El Sader                 | <b>Iraq</b>         |
| Electricity Authority of Cyprus                  | <b>Cyprus</b>       |





EE T&D is present in Africa with major projects in rural electrification, street lighting, electric transmission and distribution in Sudan, Ghana, Algeria, Mozambique, Zambia, Ethiopia, Rwanda and many more in the pipeline.

Moreover, regarding the local market, EE T&D is approaching the infrastructure & residential projects. EE T&D is confident that its know-how in Transmission & Distribution of electricity is of a high and competitive standard.

Besides its various goals, EE T&D aims to expand its transmission & distribution dimensions to various markets and elevate its transmission dimension to include high voltage international projects.

- **TRANSMISSION PROJECTS**
- **DISTRIBUTION PROJECTS**



Electrical lines and substations are mainly built on the selection of the technology and routes, the functional description of equipment adapted to needs, the design and engineering studies, the construction supervision and finally the commissioning. These are stages that condition the cost, operation, quality of supply and life cycle of the electrical lines and substations

→El Sewedy electric has designed and operated many of substation and thousands of kilometers of lines in high voltage.

Thank to its wide experience and knowledge, El Sewedy electric is considered as one of most trusted companies in this field.

**Local project name**

- 500kV single circuit O.H.T.L Abo Quir-BADR
- 220kV double circuit O.H.T.L Zafarana (2)-Ras Ghareb
- 220kV double circuit O.H.T.L. Toshki (2)- East Owenat
- 66kV double circuit O.H.T.L Nasr/Bani Sewef - south cement factory
- 66kV double circuit O.H.T.L Refa/Al Ghanayem
- 66kV double circuit O.H.T.L El nahda industries company

**Country**

- Egypt**
- Egypt**
- Egypt**
- Egypt**
- Egypt**
- Egypt**

**International project name**

- 60kV Appel d'offres national et international ouvert A.O.N.I
- 132&220kV power transmission Melk awakena
- 132&230kV power transmission-substation package

**Country**

- Algeria**
- Ethiopia**
- Ethiopia**



## 500 kV single circuit OHTL Abo Quir-BADR-Egypt

### Project description

Our scope includes, engineering (design for towers and foundations, survey, spotting of towers, soil investigation), provision of all materials and equipment (such as towers, conductors, OPGW, insulators, accessories...), construction (civil work, erection...), inspection, testing, commissioning, maintaining a complete 500 kV OHTL

### Scope of work

- Abu quir-BADR 500 kV single circuit O.H.T.L approximately 400 km long

### Job execution

- EET&D Role: Subcontractor
- Client name: Egyptian Electricity Transmission Co.
- Contract value: 178 M USD
- Contract date: 10/2009
- Contract duration: 24 months



## 220kV double circuit O.H.T.L Zafarana (2)-Ras Ghareb-Egypt

### Project description

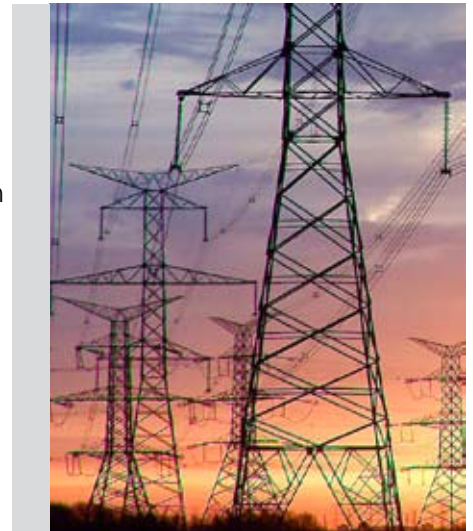
Civil works, erection, testing, inspection at manufactures works, insurance, packing for export shipment, delivery to the site.

### Scope of work

- supply and erection of tower and tower accessories.
- Supply & erection of conductor and conductor accessories, earth wire and accessories .
- Supply & erection of insulators and fitting.
- Design , supply & erection of grounding system

### Job execution

- EET&D Role: Joint venture
- Client name: Egyptian Electricity Transmission Company (EETC)
- Contract value: 67.7 M EGP
- Contract date: 11/2009,
- Contract completion period: 12 months



## 220kV double circuit O.H.T.L Toshki (2)- East Owenat-Egypt

### Project description

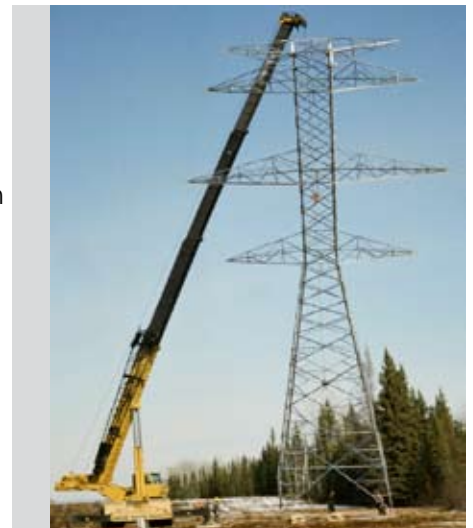
Civil works, erection, testing, inspection at manufactures works, insurance, packing for export shipment, delivery to the site.

### Scope of work

- supply and erection of tower and tower accessories.
- Supply & erection of conductor and conductor accessories, earth wire and accessories .
- Supply & erection of insulators and fitting.
- Design , supply & erection of grounding system

### Job execution

- EET&D Role: Joint venture
- Client name: Egyptian Electricity Transmission Company
- Contract value: 47.6 M EGP
- Contract date: 1/2010
- Contract completion period: 12 months



## 66kV double circuit O.H.T.L Nasr/Bani Sewef-Egypt



### Project description

Manufacture, supply, erection, testing, inspection at manufactures works, insurance, packing for export shipment, delivery to the site.

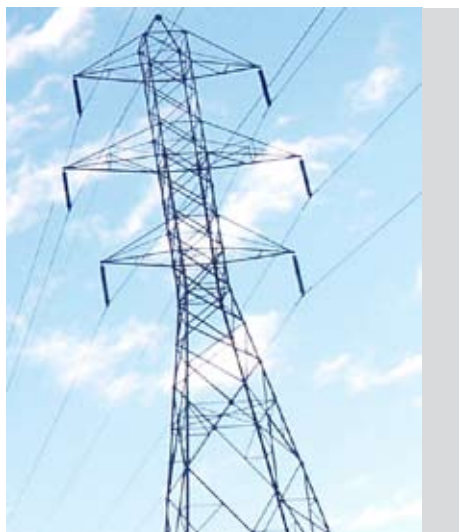
### Scope of work

- supply and erection of tower and tower accessories.
- Supply & erection of conductor and conductor accessories, earth wire and accessories .
- Supply & erection of insulators and fitting.
- Design , supply & erection of grounding system

### Job execution

- EET&D Role: Main contractor
- Client name: South Valley Cement Company
- Contract value: 10 M EGP
- Contract date: 11/2009
- Contract completion period: 4 months

## 66kV double circuit O.H.T.L Refa/Al Ghanayem-Egypt



### Project description

Providing Abu Teeg substations with electricity from O.H.T.L Refa/ Ganayem 66 kV double circuit by construction of 66 kV OHTL double cuircuit with a length of 16km length.

### Scope of work

- Installation including civil works and stringing for OHTL Refa/ Ganayem 66 kV double circuit for a length of 16km length

### Job execution

- EET&D Role: Joint venture
- Client name: Egyptian Electricity Transmission Company
- Contract value: 2.5 M EGP
- Contract date: 12/2009
- Contract completion period: 6 months

## 66kV double circuit O.H.T.L El nahda industries-Egypt



### Project description

Providing El Nahda's cement factory substation with OHTL 66 kV double circuit for 24 KM length.

### Scope of work

- Supply & installation for towers, ground cables, conductors and insulators including civil works.

### Job execution

- EET&D Role: Main contractor
- Client name: El-Nahda Industries
- Contract value: 17,3 M EGP
- Contract date: 1/2010
- Contract completion period: 8 months

## 60kV appel d'offres national et international ouvert AONI-Algeria

### Project description

Design, supply and installation of 60 kV over head transmission line OHTL for 3 routes

### Scope of work

- Turn key project basis
- 3 OHTL 60 kV for 40, 20 and 8 km.
- Route length: 68 km, Divided Into three lots
- Line 60 kV st hamar el ain - fouka 40 km
- Line 60 kV st Si mustapha - cap djenet 20 km
- Line 60 kV dt ouled fayet - draria 8 km

### Job execution

- EET&D Role: Joint venture
- Client name: SONELGAZ Transport d'Electricité
- Contract value: 5.5 M Euro
- Contract date: 07/2008
- Contract duration: 16 months



## 132&220kV power transmission Melk awakena-Ethiopia

### Project description

Transmission line materials supply

### Scope of work

- MEIKA WAKENA – RAMO 230 kV D/C transmission line materials
- RAMO GODE 230 kV D/C transmission line materials
- HARAR - FIQ 132 kV D/C transmission line materials.

### Job execution

- EET&D Role: Main contractor
- Client name: Ethiopian Electric Power Corporation
- Contract value: 78 M Euro
- Contract date: 05/2008
- Contract duration: 18 months



## 132&230kV power transmission-substation package-Ethiopia

### Project description

Engineering, procurement, supervision of erection testing and commissioning, Engineering, procurement, civil work, erection, testing and commissioning as a turnkey project

### Scope of work

- Melkawakana substation 230/132 kV, yougoslav substation 230/132/66/33/15 kV, Ramo substation 230/132/33kV, Fik substation 230/33 kV, Gode substation 230/132/33kV, Harrar Substation 132/66/33/15 kV, Shakiso substation 132/66/33/15 kV, Finoteselam substation 66/33/15 kV, Geversa substation 230/138 kV.

### Job execution

- EET&D Role: Main contractor
- Client name: Ethiopian Electric Power Corporation
- Contract value: 91 M Euro
- Contract date: 01/2009
- Contract duration: 18 months





**Local project name**

- Sukari Gold Project 34.5kV Transmission Line.
- Extension Sukari Gold Project 34.5kV Transmission Line.
- 10th of Ramadan City Industrial Park (PIP) Roads Network.

**Country**

**Egypt**  
**Egypt**  
**Egypt**

**International project name**

- Network expansion, service connection5 in matola region
- Ghana street lighting
- Supply and installation substations, construction of 50km, 33kV OHTL
- Construction, supply & installation of 33/11 kV substations
- Ghana street lighting
- Supply and delivery of distribution transformers
- Supply of distribution materials.
- Supply and installation of electric equipment for 30 kV electric line.
- Supply of distribution materials
- LV Network extension river Nile.
- LV Network extension 'using ABC' for northern state.
- LV Network for river Nile state.
- LV Network for northern state.
- MV Network for river Nile governorate.
- LV & MV Networks (Khartoum-Bhri-Omdurman)
- MV Network for north governorate.
- El Khartoum (16) new squares LV network.
- El Khartoum (48) new squares LV network.
- Proyecto De Electrificación De Los Cinco Municipios

**Country**

**Mozambique**  
**Ghana**  
**Ghana**  
**Ghana**  
**Ghana**  
**Zambia**  
**Ethiopia**  
**Rwanda**  
**Rwanda**  
**Sudan**  
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**Sudan**  
**Sudan**  
**Equatorial Guinea**



## Sukari gold project 34.5 kV transmission line-Egypt

### Project description

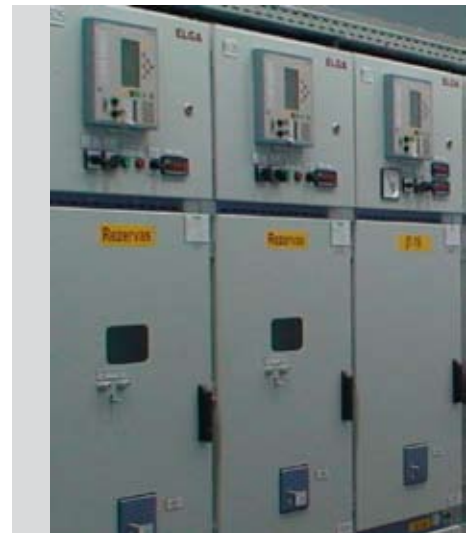
PHARAOH GOLD MINES NL is currently planning to construct a gold plant at the Sukari Gold Mine, near Marsa Alam - turnkey project for and overhead power-30 km

### Scope of work

Design, supply and erection of an overhead power line from 34.5 kV switch yard to the middle of the well filed, picking up each of the (5) pump station along the way.

### Job execution

- EET&D Role: Main contractor
- Client name: Pharaoh Gold Mines.
- Contract value: 2.5 M USD
- Contract date: 04/2009
- Contract duration: 5 months



## Extension Sukari gold project 34.5 kV transmission line-Egypt

### Project description

PHARAOH GOLD MINES NL is currently planning to construct a gold plant at the Sukari Gold Mine, near Marsa Alam - turnkey project for and overhead power-30 km

### Scope of work

Design, supply and erection of an overhead power line from 34.5 kV switch yard to the middle of the well filed, picking up each of the (5) pump station along the way.

### Job execution

- EET&D Role: Main contractor
- Client name: Pharaoh Gold Mines.
- Contract value: 0.5 M USD
- Contract date: 04/2009
- Contract duration: 5 months



## 10th of Ramadan city (PIP) roads network design criteria-Egypt

### Project description

Substation & Civil Works & infrastructure Electrical Works for Pyramids Parks-Industry Park etc.

### Scope of work

The works comprises mainly of Infrastructure works (substations, electrical rooms, electrical networks, fire fighting, fire alarm and roads lighting network) of the Pyramids west industrial park in the 10th of ramadan with an area equal to approx 1 million m2.

### Job execution

- EET&D Role: Main contractor
- Client name: Pyramids Infrastructure
- Contract value: 22 M EGP
- Contract date: 01/2009
- Contract duration: 2 years



## Network expansion, service connection5 in matola region, maputo province-Mozambique



### Project description

1. MV transmission lines
2. LV transmission lines
3. Street lighting poles
4. Service connections

### Scope of work

The Project is based on a turnkey Project, Network Expansion and Service connections in Matola Region – Maputo Province.

### Job execution

- EET&D Role: Main contractor
- Client name: ELECTRICIDADE de Mozambique, E.P
- Expected contract value: 10.5 M USD
- Expected contract date: 05/2009
- Contract duration: 12 months

## Melk Awakena-Ramo-FIQ power transmission-Ethiopia



### Project description

Supply of distribution materials

### Scope of work

- Supply of distribution transformers 33/0.4 kV & 15/0.4 kV.
- Supply spare parts for MV switchgear.
- Supply of ABC cables.
- Supply of AAC conductor

### Job execution

- EET&D Role: Main contractor
- Client name: Ethiopian Electric Power Corporation (EEPCO.)
- Contract value: 28.5 M Euro
- Contract date: 1/2007
- Contract completion period: 11/2008

## Supply, installation substations and construction of 50km, 33kV O.H.L-Ghana



### Project description

Supply and installation of two primary substations at darkuman and gbawe ajaman complete with cables works, and construction of 50km, 2x40 MVA, 33kV overhead lines.

### Scope of work

- Lot 1 and Lot 2 - A1: 33/11 kV, 2X20/26MVA substation : plant, equipment and mandatory spare parts supplied from abroad.
- Lot 3 - A1: 2X40MVA, 30KM (linear length) 33 kV, 265MM<sup>2</sup> conductor size ohl from kasoa 33 kV switching station to winneba substation: materials, mandatory spares supplied from abroad.

### Job execution

- EET&D Role: Main contractor
- Client name: Electricity Company of Ghana.
- Contract value: 16 M USD
- Contract date: 02/2008
- Contract duration: 24 months

## Construction, Supply & Installation of 33/11 kV Substations-Ghana.

### Project description

Supply and Installation of 33 /11 kV Substation equipments in Accra and Tema

### Scope of work

- 3 No. indoor station, dansoman, kwabenya, cantonment 33 /11kV
- 3 No. outdoor stations, dahwenya, sowutuom, nmaidzorn 33/11kV.

### Job execution

- EET&D Role: Main contractor
- Client name: Electricity Company of Ghana
- Contract value: 7.5 M Euro
- Contract date: 01/2009
- Contract duration: 18 months



## Street Lighting-Ghana

### Project description

Outdoor lighting project Ghana street lighting (Koforidura Town)

### Scope of work

Job execution El Sewedy Electric was selected by the ministry of energy in Ghana to perform the project for street lighting

### Job execution

- EET&D Role: Joint venture
- Client name: Electricity Company of Ghana.
- Contract value: 20 M USD
- Contract date: 11/2006
- Contract completion period: 11/2007



## Street Lighting-Ghana

### Project description

Outdoor lighting project Ghana street lighting

### Scope of work

Job Execution El Sewedy Electric was selected by the ministry of energy in Ghana to perform the project for street lighting

### Job execution

- EET&D Role: Joint venture
- Client name: Electricity Company of Ghana.
- Contract value: 25 M USD
- Contract date: 4/2009
- Contract duration: 12 months





## Supply and Installation of electric equipment for 30kV-Rwanda



### Project description

Supply and install material for construction of 30kV electrical transmission line and LV distribution line.

### Scope of work

- MV line: connected on the electrical line kabarando - rwinkwavu on the pylon located at nyankora in nasho military camp.
- Description : voltage 30kV, length of line: 39km
- Type of poles: pylons and metallic steel poles
- LV Line: centres to be electrified, Poles: metallic steel poles.

### Job execution

- EET&D Role: Main contractor
- Client name: Public de transport et distribution d'electricite et d'eau (ELECTROGAZ)
- Contract value: 2,7 M USD
- Contract date: 12/2008
- Contract duration: 15 months,

## Supply of Overhead Conductors-Rwanda



### Project description

The aim of this contract is the Supply (CIP Magerwa) of "Overhead conductors".

### Scope of work

- Supply of Overhead Conductors.

### Job execution

- EET&D Role: Main contractor
- Client name: RECO
- Contract value: 0.2 M USD
- Contract date: 2/2010
- Contract duration: 8 weeks

## Supply and delivery of distribution transformers-Zambia



### Project description

Supply and delivery of various sizes of distribution transformers

### Scope of work

- Supply and services of distribution transformers
- Divided into three lots
- Lot 1 : 25/ 50 KVA 33/0.4 kV
- Lot 2: 100/200 KVA 33/0.4 kV
- Lot 3: 315/500 KVA 33/0.4 kV

### Job execution

- EET&D Role: Main contractor
- Client name: ZESCO Limited of Zambia
- Contract value: 0.5 M USD
- Contract date: 12/2008
- Contract duration: 5 months



## Proyecto De Electrificación De Los Cinco Municipios De Nueva Creación A Saber-Equatorial Guinea

### Project description:

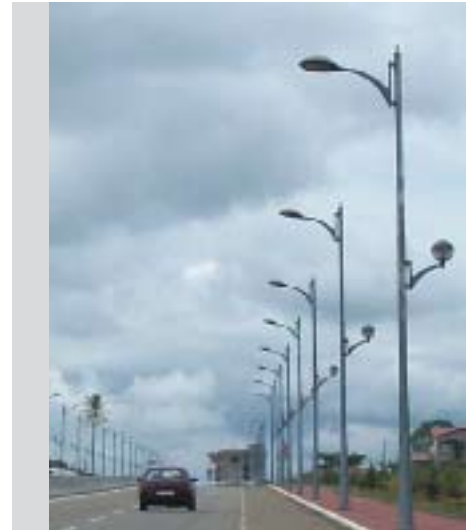
Proyecto De Electrificación De Los Cinco Municipios De Nueva Creación A Saber

### Scope of work

- Supply and install of equipments, materiales and electric tools to electrify five towns(Tecguete,Nkumekien, Nzangyong, Rio Campo and Cabo San Juan) via ABC networks

### Job execution:

- EET&D Role: Main contractor
- Client name: MINISTERIO DE MINAS, INDUSTRIAY
- Contract value: 4,8 M USD
- Contract date: 12/2009
- Contract duration: 5 months.



## LV Network extension River Nile-Sudan

### Project description

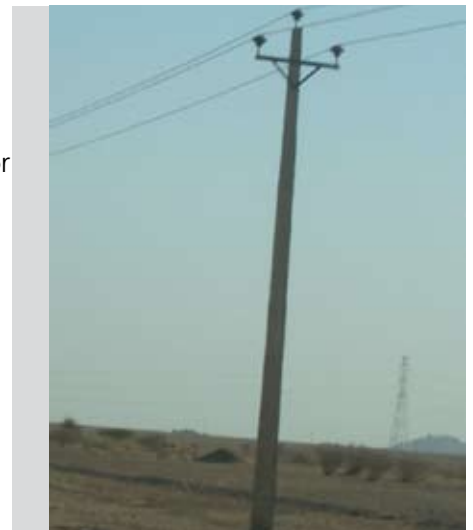
LV over head network at river Nile state, Sudan on turnkey basis

### Scope of work

- Designing, engineering, fabrication, testing, delivery to site, receiving, store, installation, testing, commissioning and start up for LV network at river Nile state, turnkey basis as following.
- LV over head distribution line (OHDL)
- Type of poles: concrete poles, Type of the circuit: single circuit
- Type of conductors: aluminum PVC insulated, bare AAC and copper PVC insulate, Type of insulators: LV porcelain insulators

### Job execution

- EET&D Role: Main contractor
- Client name: National Electricity Corporation, NEC
- Contract value: 11 M USD
- Contract date: 12/2008
- Contract duration: 20 months



## LV Network extension for Northern state-Sudan

### Project description

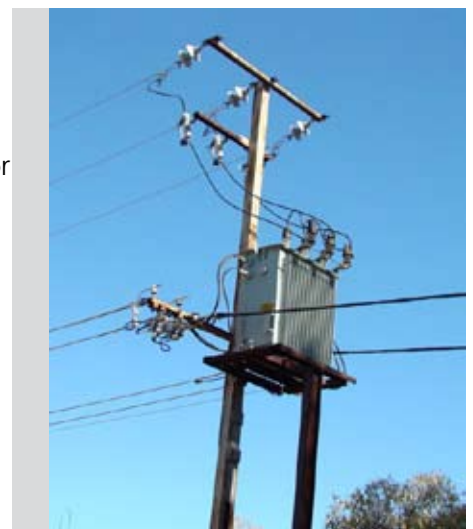
LV over head network at northern state, Sudan on turnkey basis

### Scope of work

- Designing, engineering, fabrication, testing, delivery to site, receiving, store, installation, testing, commissioning and start up for LV network at northern state, turnkey basis as following.
- LV over head distribution line (OHDL)
- Type of Poles: concrete poles
- Type of the circuit: single circuit
- Type of conductors: ABC and copper PVC insulated

### Job execution

- EET&D Role: Main contractor
- Client name: National Electricity Corporation, NEC
- Contract value: 25.75 M USD
- Contract duration: 24 months



## MV network for North governorate-Sudan



### Project description:

33 kV over head transmission line and 33/11 kV indoor substation at North Governorate State, Sudan on turnkey basis.

### Scope of work

- Designing, engineering, fabrication, testing, delivery to site, receiving, store, installation, testing, commissioning and start up for 33 kV over head transmission lines and 33/11 kV substation for northern governorate state, turnkey basis as following.
- 33 kV over head transmission line (OHTL), Type of poles: concrete poles, Type of the circuit: single circuit - double circuit
- 33/11 kV indoor substations, total quantity: 2 substation

### Job execution

- EET&D Role: Main contractor
- Client name: National Electricity Corporation, NEC
- Contract value: 41 M USD
- Contract duration: 20 months

## LV & MV Networks (khartoum-bhri-omdurman)-Sudan



### Project description

33 kV over head transmission, LV network Sudan on turnkey basis.

### Scope of work

- Designing, engineering, fabrication, testing, delivery to site, receiving, store, installation, testing, commissioning and start up for 33 kV over head transmission lines and LV network Sudan on turnkey basis as following.
- 33 kV over head transmission line (OHTL), Type of poles: concrete poles
- Type of the circuit: single circuit - double circuit
- Pole mounted distribution transformer: 100 KVA 33/0.433 kV
- Type of conductors: bare AAC conductor

### Job execution

- EET&D Role: Main contractor
- Client name: National Electricity Corporation, NEC
- Contract value: 28 M USD
- Contract duration: 20 months.

## El Khartoum (16) new squares LV Network-Sudan



### Project description:

LV over head network at el khartoum state, turnkey basis.

### Scope of work

- Designing, engineering, fabrication, testing, delivery to site, receiving, store, installation, testing, commissioning and start up for 16 squares LV network at el khartoum state, Sudan on turnkey basis as following, 11 kV MV network,
- Type of the circuit: single circuit
- 11/0.433 kV package substations, rated power: 1000 KVA \_ 750 KVA \_ 500 KVA
- LV Network
- Type of conductors: bare AAC conductor

### Job execution:

- EET&D Role: Main contractor
- Client name: National Electricity Corporation, NEC
- Contract value: 7 M USD
- Contract duration: 8 months

## LV network for River Nile state-Sudan

### Project description

LV over head network at river Nile state, Sudan on turnkey basis.

### Scope of work

- Designing, engineering, fabrication, testing, delivery to site, receiving, store, installation, testing, commissioning and start up for LV network at river Nile state, Sudan on turnkey basis as following.
- LV over head distribution line (OHDL)
- Type of poles: concrete poles, Type of the circuit: single circuit
- Type of conductors: aluminum PVC insulated, bare AAC and copper PVC insulate
- Type of insulators: LV porcelain insulators

### Job execution

- EET&D Role: Main contractor
- Client name: National Electricity Corporation, NEC
- Contract value: 24.5 M USD
- Contract duration: 20 months



## LV network extension for Northern state-Sudan

### Project description

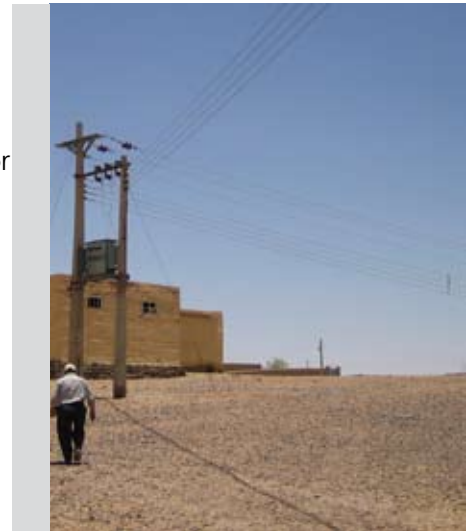
LV over head network at northern state, Sudan on turnkey basis

### Scope of work

- Designing, engineering, fabrication, testing, delivery to site, receiving, store, installation, testing, commissioning and start up for LV network at northern state, turnkey basis as following.
- LV over head distribution line (OHTL)
- Type of poles: concrete poles
- Type of the circuit: single circuit
- Type of conductors: aluminum PVC, copper PVC insulate
- Type of insulators: LV porcelain insulators

### Job execution

- EET&D Role: Main contractor
- Client name: National Electricity Corporation, NEC
- Contract value: 27 M Euro
- Contract duration: 20 months.



## MV network for River Nile governorate-Sudan

### Project description:

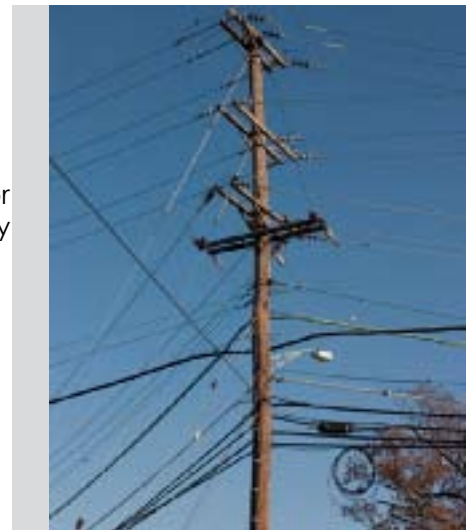
33 kV over head transmission line and 33/11 kV indoor substation at river Nile state, Sudan on turnkey basis.

### Scope of work

- Designing, engineering, fabrication, testing, delivery to site, receiving, store, installation, testing, commissioning and start up for 33 kV over head transmission lines and 33/11 kV substation, turnkey basis as following.
- 33 kV over head transmission line (OHTL)
- Type of the circuit: single circuit & double circuit,
- Pole mounted distribution transformer
- 33/11 kV indoor substations, total quantity: 3 substation

### Job execution:

- EET&D Role: Main contractor
- Client name: National Electricity Corporation, NEC
- Contract value: 68 M USD
- Contract duration: 18 months.



## El Khartoum (48) new squires LV Network.



**Project description:**

LV over head network at el khartoum state, turnkey basis

**Scope of work**

- Designing, engineering, fabrication, testing, delivery to site, receiving, store, installation, testing, commissioning and start up for 48 squires LV network at el khartoum state, Sudan on turnkey basis as following, 11 kV over head transmission line (OHTL)
- Type of poles: concrete poles, Total quantity: 1420 poles
- Type of the circuit: single circuit, Type of conductors: bare AAC conductor, 11/0.433 kV package Substations, LV network, Type of poles: concrete poles, Type of conductors: bare AAC conductor

**Job execution:**

- EET&D Role: Main contractor
- Client name: National Electricity Corporation, NEC
- Contract value: 28 M USD
- Contract duration: 12 months



## Local

1. United Industries El Sewedy
2. El Sewedy Cable
3. El Sewedy Electric- Transformers
4. Arab Cable
5. Arab Steel Fabrication
6. United Metals

## International

1. El Sewedy Cable - Syria
2. El Sewedy Electric - Transformers - Syria
3. El Sewedy Cables - Saudi Arabia
4. El Sewedy Cables - Algeria
5. El Sewedy Cables - Yemen
6. El Sewedy Cables - Qatar
7. El Sewedy Electric - Transformers - Zambia
8. El Sewedy Electric - Transformers - Nigeria



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