Company profile

EMEG GROUP

For Electrical Mechanical Engineering

INDEX

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  - Deir Ali CCPP -IIProjects

- **Projects in Algeria**

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- Mowasah Governmental Hospital old building «Emergency & ICU,Radiation,Intensive Car Unit and Operation»
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- SIAMCO Car Factory
- Aleppo new Factory of preparing tobacco Ein-Altal

INTRODUCTION

EMEG Engineers are primarily responsible for managing a wide range of electrical and mechanical projects across the Syrian Arab Republic. Our strong reputation is built on the high quality of our work across various business sectors and is supported by the depth of knowledge and experience within our group.

This foundation is strengthened by a skilled, professional workforce with strong technical expertise and a highly trained labor force.

EMEG delivers projects successfully by assigning the right people to each task, supported by a core administrative team of 15 staff members and more than 12 engineers covering all electrical and mechanical disciplines. In addition, our workshops employ over 50 qualified technicians and specialists. Our services include planning, procurement and supply, installation, commissioning, and achieving optimal operational conditions, as well as maintenance

Our extensive experience in electrical systems includes the following:

High-voltage power generation and distribution: Substations, power distribution systems, switchyards, generation facilities, overhead lines, transmission, and distribution.
Low-voltage distribution: Switchgear, motor control centers (MCC), panel boards, grounding, lighting, and lightning protection systems.
Low-current systems: Audio-video systems, digital networking, security systems, telecommunications systems, building management systems, and computer network systems.

We also provide specialized services based on our experience in the supervision and commissioning of mechanical systems, including heating, ventilation, and air conditioning (HVAC), fire-fighting systems, water treatment plants, central vacuum systems, clean room systems, and compressed air systems.

Company Commitment:

Thanks to our full capacity and the high level of engineering expertise demonstrated by our team, EMEG engineers have participated in the majority of high-level projects implemented in Syria. Below are some highlights of these projects.

Our pledge to you is simple:

We continuously strive to improve our services in order to exceed your expectations. Our work is our pride.

EMEG was established in 2007 in the field of power generation plants and mechanical and electrical services. Our initial aim was to provide high-quality heating, plumbing, and mechanical services at an affordable price. Over the years, EMEG has grown into an established global mechanical and electrical equipment repair company, building a strong reputation for delivering quality work on time and within budget.

Since 2010, we have expanded into industrial and commercial markets, extending our expertise to major construction projects.

EMEG aims to build and nurture strong partnerships with our customers by offering a range of short- and long-term solutions tailored to their needs. Our business is dedicated to delivering exceptional service and high-quality finished products at fair prices.

Our commitment is not just to meet our customers' expectations, but to exceed them

Professional Services Overview

EMEG provides a comprehensive range of specialist electrical, mechanical, and commissioning engineering services to a wide variety of industries throughout the country. These industries include power generation, marine, petrochemical, steel, paper, pressing and forging, mining, and offshore sectors.

Our team of experts is among the most experienced and well-qualified in the industry, working closely with designers and engineers during the conceptual phase of each project to ensure efficient and practical solutions. EMEG employees are encouraged to be innovative and creative, supporting owners and general contractors in identifying and resolving project challenges.

EMEG has developed a proven system for budget planning and construction cost estimation, enabling projects to be delivered with high accuracy and often achieving final costs within or below the approved budget.

People

With more than 100 employees, EMEG ranks among the leading mechanical and electrical contractors. Our workforce includes power generation plant specialists, plumbers, pipefitters, welders, sheet metal workers, maintenance service technicians, and experienced administrative staff.

Safety (HSE Policy)

EMEG takes great pride in its strong safety culture and commitment to health, safety, and environmental standards. Our HSE system ensures that regular toolbox safety talks are conducted and that job-site safety inspections are carried out routinely by trained and qualified company personnel.

Service / Maintenance Shop

As part of EMEG's ongoing commitment to excellence, we operate a fully equipped service and maintenance facility supported by a trained fleet of experienced mechanics with many years of combined expertise. This capability allows us to anticipate potential issues and recommend preventive maintenance solutions, reducing downtime, minimizing costly repairs, and helping to prevent unexpected system failures.

EMEG Offers the Following Services

- Plumbing, heating, ventilation, and air conditioning (HVAC) services for residential, industrial, and commercial facilities
- Thermal imaging and smoke testing
- Pump refurbishment (electrical, mechanical, and commissioning)
- Alignment services
- Comprehensive in-house machining facilities
- Cast iron fusion welding
- Fuel oil tanks and fuel oil supply systems (electrical, mechanical, and commissioning)
- Firefighting systems (electrical, mechanical, and commissioning)
- Pressure vessels

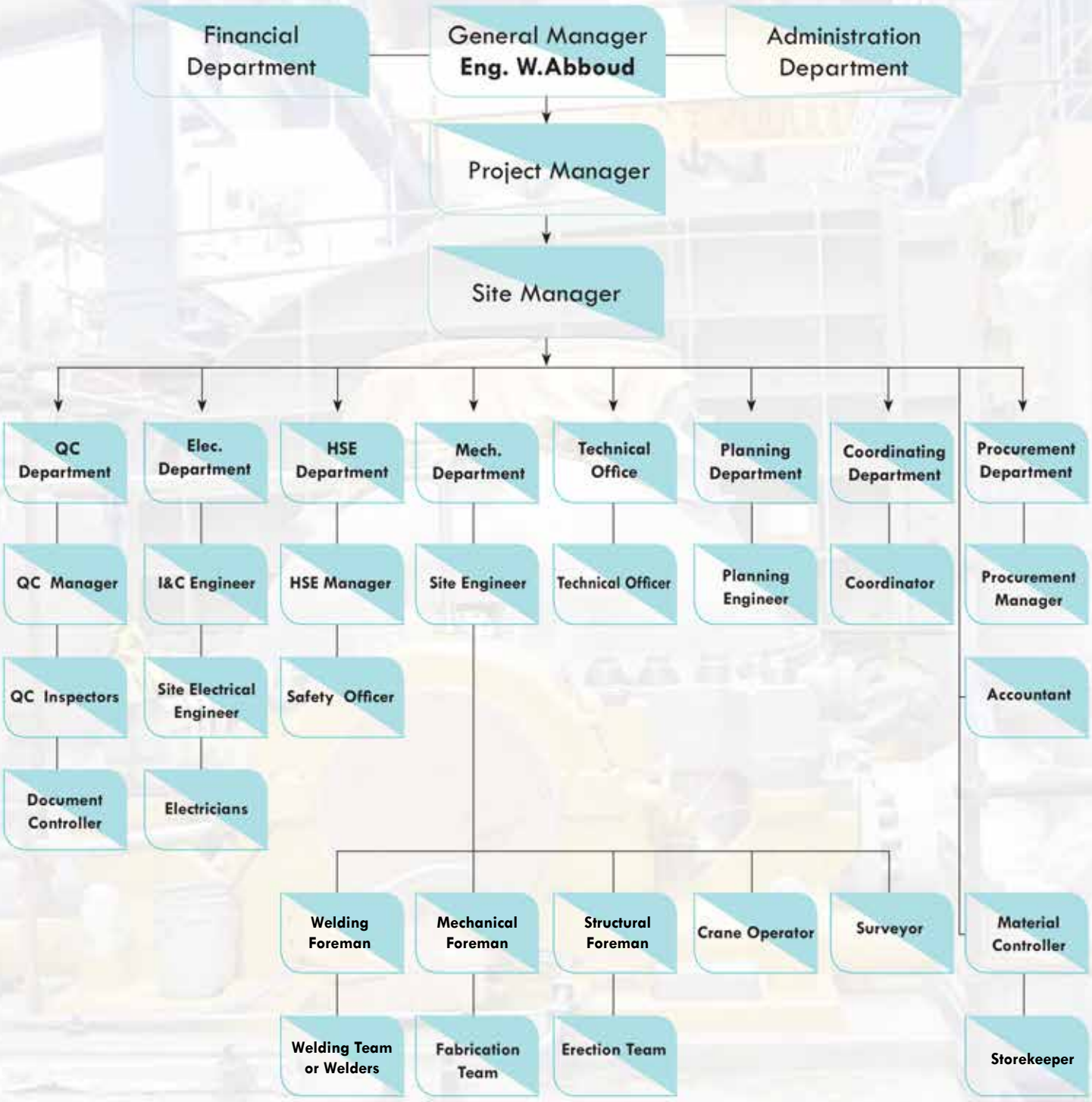
Steam & Gas Turbine Installation

- Regenerative air heater installation, including electrical connection and commissioning
- Auxiliary cooling systems (electrical, mechanical, and commissioning)
- Mixing condenser and vacuum systems (electrical, mechanical, and commissioning)
- Thermal insulation for steam turbines, boilers, and piping

POWER PLANT

PROJECTS

ORGANIZATION CHART



POWER PLANT

Key Personnel Participated in The Following Projects :

Projects in Syria

1- Deir Ali CCPP-II (3 Units × 250 MW) – Gas and Steam Turbine Power Plant

Scope of Work

- Commissioning of mechanical and electrical systems
- Execution of overhead transmission lines (66 kV / 20 kV)
- Installation and termination of low- and medium-voltage
- cables for all units (motors, pumps, and auxiliary systems)
- Supervision of electrical equipment erection, including MCC panels, switchgear, UPS systems, battery chargers, power transformers, and switchyard equipment (circuit breakers, disconnectors, CTs, PTs, busbars, and line towers)
- Commissioning of electrical equipment such as generators and auxiliary systems, MCC panels, UPS systems, battery chargers, transformers, and switchgear
- Supervision of DCS and PLC systems, field instrumentation, and control valves
- Calibration of field instruments and control valves (motorized, pneumatic, and self-controlled), local controllers, and transmitters

In April 2012, EMEG commenced works in cooperation with METKA by providing skilled manpower for testing and operation of electrical and mechanical works at the Deir Ali Substation (400 kV) and Deir Ali 2 Power Generation station. The scope included the supply of engineers, assistant engineers, and qualified technicians.

Electrical Works

Electrical works included the examination and testing of low-, medium-, and high-voltage power supply cables, insulation resistance testing of control cables between point-to-point panels, and insulation testing of all motors installed at the power station. The scope also covered testing and operation of low-voltage panels, testing of the 220 VDC auxiliary systems including battery banks and UPS auxiliary systems, and testing of interlocking circuits between low-voltage panels and the 6.3 kV medium-voltage system. In addition, testing was performed on medium-voltage panels, protection circuits, and current injection systems to ensure safe and reliable operation.

EMEG engineers carried out testing and operation of the PLC and DCS systems, including full testing of electrical circuits, examination of cables and control panels, and operation of the main control room by a dedicated team of engineers, assistant engineers, and technicians.

The scope also included testing, operation, and calibration of precision instruments and associated circuits, as well as testing and operation of the chemical treatment systems across all departments in accordance with the project schedule required by METKA.

EMEG's team also executed fire protection works across all sections of the Deir Ali 2 Substation and Deir Ali 2 Power Station.

The scope included testing and operation of fire protection systems, fire alarm circuits, thermal and smoke sensors, fire extinguishing systems, and water-based firefighting circuits, including all associated accessories.

These works were completed in coordination with SANCO through direct communication to ensure system integration and continuity of operation. All fire protection works were successfully completed in the generation and transformation facilities at Deir Ali 2.

In addition, EMEG followed up on maintenance and operational activities until the end of the warranty period as required by METKA, and submitted the final as-built documentation upon completion of the works

Mechanical Works

A full team of engineers and technicians was provided to test and pressurize mechanical circuits, perform chemical cleaning, conduct steam scavenging, and carry out mechanical valve maintenance across all station sections, with the necessary number of personnel assigned to these tasks.

Engineering and technical teams were supported with all required personnel and equipment for cable laying, connection, and testing works. This equipment continues to be maintained and utilized at the Deir Ali Power Station project.

An administrative team was assigned to lead the technical teams and ensure progress in accordance with the implementation schedule. This team included an engineer, a quality control engineer, a safety officer, a project manager, an accountant, and a time controller.

The team was also responsible for testing the electrical and mechanical systems, as well as operating the entire station. In cases where shortages occurred during the implementation process, the team extended and connected the required cables as needed. As a result, the team executed most of the technical work on the project—an achievement accomplished for the first time in Syria. This integrated team structure is still maintained and remains capable of delivering full project execution with high accuracy.

Key Personnel Participated in The Following Projects :

Projects in Algeria

1- Mobile Gas Turbines 6x18.83 MW Tindouf – Beni Abbes - Tamanrasset

General Description of the Project :

- The Project consists of supervising installation and commissioning of 112 MW site conditions using six (6) mobile Gas turbines with a unit capacity of 18.83 MW adapted to the conditions of each site, at four locations :
- Tindouf (2 turbines) Beni Abbes (2 turbines)
- North Tamanrasset (1 turbine) Tamanrasset South (1 turbine) -

2- Mobile Gas Turbines 12x20 MW FKIRINA – MSILA

General Description of the Project :

The Project consists of supervising installation and commissioning of 240 MW site conditions, 12 mobile Gas turbines with a unit capacity of 20 MW , at two locations :

- ❖ FKIRINA (6 turbines) ❖ MSILA (6 turbines) ❖ Deputy Site Manager.
- ❖ Electrical Supervisor. ❖ IPBs (Isolated Phase Bus Duct) ❖ GCBs (Generator Circuit Breaker)
- ❖ GLAC + GNAC (Generator Line +Neutral Accessory Compartement)
- ❖ NSPBs (Non Segregated Phase Bus Duct) ❖ GIS (Gas Insulated Substation)
- ❖ Outside Electrical Power Substation ❖ WTP (Water Treatment Plant)
- ❖ WWTP (Waste Water Treatment Plant) ❖ FOTP (Fuel Oil Treatment Plant)
- ❖ Cathodic Protection System ❖ Lightning Arrester System
- ❖ Station Utilities (TELEPHONE , DATA , CLOCK , LOUDSPEAKER) ❖ Troubleshooting. ❖ Fault finding.
- ❖ Testing solves and repairs associated with HV/LV, AC/DC motors, with their related switch gear and controls.
- ❖ Transformers step up/down with all voltage ranges. ❖ Battery chargers and UPS systems.
- ❖ All aspects of power supply installations and air conditioning systems.
- ❖ Carry out maintenance, testing and fault finding of electrical equipment.
- ❖ Hazards area isolation and de-isolation of electrical equipment in accordance with ESR (Electrical Safety Rules).
- ❖ Carry out switching on HV/LV switchgear.
- ❖ Routine maintenance for HV/LV switchgears including SF6, vacuum and air circuit breakers

Key Personnel Participated in The Following Projects :

Projects in Ghana

Our group participated in the implementation of

The Bridge Power plant project I :

A combined cycle power plant consisting of five (5) gas turbines made by GE (Type TM2500), with a maximum load of 40 MW each, using a Mark VI control system

A steam turbine made by Triveni, Type GET_6R, two-stage (LP & HP), with a maximum load of 80 MW, also operated by a Mark VI control system.

Each boiler is connected to a **CMI one-through boiler,** with two pressure stages (LP and HP), and a SCADA control system by **EMPRESARIOS AGRUPADOS**, using an **Allen-Bradley PLC.**

BoP (Balance of Plant) systems include a condensate system (3 pumps), a feedwater system (4 pumps), and an air-cooled condenser system **controlled by a DCS system (ABB TA800),** which is integrated with all previously mentioned control systems.

Key Personnel Participated in The Following Projects :

Projects in Ghana

Bridge Power Project II (Tema, Ghana) :

Phase 1 of the Bridge Power Project, located in the Tema Heavy Industrial Area in Ghana, and was developed by Early Power Ltd. (EPL) with METKA serving as the EPC contractor. The objective of this phase is to enhance Ghana's electricity generation capacity using a modern and efficient combined-cycle power configuration.

Stage 1, a 200MW combined cycle gas turbine (CCGT) power plant comprises five (5) General Electric (GE) TM 2500 gen8 units, five (5) once through steam generators (OTSGS), one (1) GE steam turbine unit, an air-cooled condenser (ACC) and associated balance of plant.
15 November 2025

ERECTION OF FIVE GE TM2500 GAS TURBINE ENGINE UNITS DURING STAGE 1A CONSTRUCTION SIMPLE CYCLE OPERATIONS ON LPG

The project is owned and developed by Early Power LTD (EPL), a consortium of Endeavor Energy, a leading US independent power producer focused on Africa and Andaris, a wholly-owned Ghanaian energy investment company. Endeavor

Energy was founded by Denham Capital, an energy and natural resources-focused global private equity fund. EARLY POWER LTD

BRIDGE POWER PROJECT GROUNDBREAKING, 27TH APRIL, 2017 EARLY
POWER LTD The Ghana Bridge Power Project is a 1.2$ billion, up to 515 MW combined cycle power generation project located at Kpone, in the Heavy Industrial Area.

The project will deliver power to ECG under a -25year Power Purchase agreement (PPA) backed by a Put Call Option Agreement (PCOA) with the Government of Ghana.

The PPA and PCOA agreements were approved by the Ghanaian Parliament and executed in September 2016, becoming effective on November 2018 ,22. Early Power LTD (EPL), incorporated in October 2014, is a consortium of Endeavor Energy, a leading US independent power producer focused on Africa and Andaris, a wholly-owned Ghanaian energy investment company.

Endeavor Energy was founded in 2013 by Denham Capital, Fund VI, an energy and natural resources-focused global private equity fund to work with host governments on Just Energy Transition programs neet baseload energy demands in West African countries.

Key Personnel Participated in The Following Projects :

Projects in Libya

Our group participated in the implementation of The Tobruk Gas Power Plant :

1. The Tobruk Gas Power Plant is a power generation project implemented by METKA/Mytilineos for the General Electricity Company of Libya (GECOL) .

2. The plant has a total capacity of about 740 MW, operating in an open-cycle configuration with the ability to run on natural gas or liquid fuel.

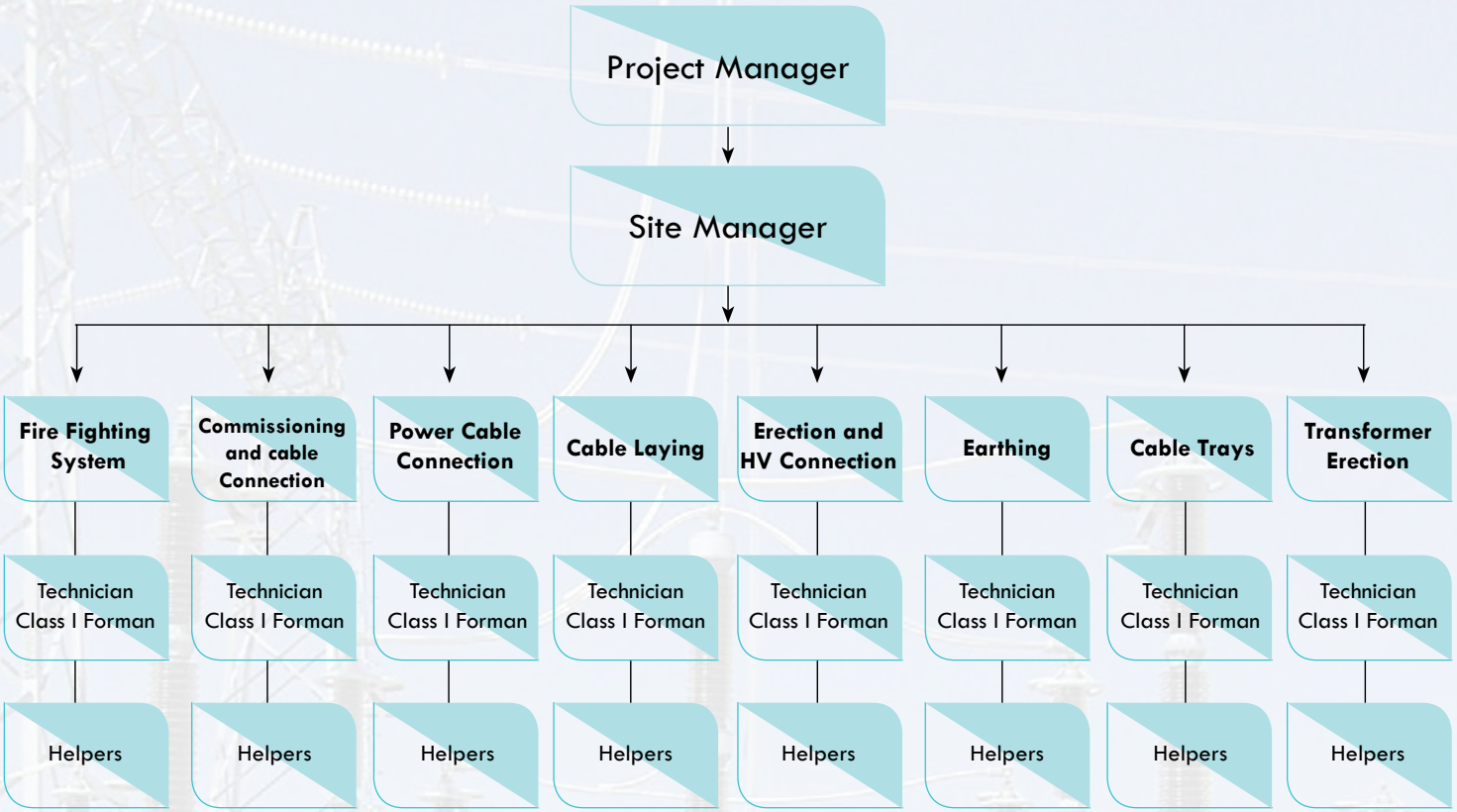
3. The plant includes four gas turbines: two GE GT13E2 units and two Ansaldo AE.94.2 units.

4. The project aims to support and stabilize the electrical grid in eastern Libya, particularly the city of Tobruk and surrounding areas.

SUBSTATIONS

PROJECTS

ORGANIZATION CHART



SUBSTATIONS

Key Personnel Participated in The Following Projects :

Projects in Syria

We executed the installation, erection, and commissioning of the 400 kV Syria–Jordan and Syria–Turkey interconnections (Pan-Arab Network Project), as well as the following power interconnection projects with Siemens, including the following:

1- Syria – Jordan 400 KV Interconnection / Siemens PTD:

including three substations

Deir Ali:

Construction of new 400 KV conventional substations consisting of:

3 Nos. 400 KV Diameter (3 OHL feeders and 2 Transformer feeders).
2 Nos. 230 / 400 KV, 300MVA power transformer. 2 Nos. 20KV , 20MVAr shunt reactors and
2 Nos. 20kV, 20 MVAr Capacitors, Associated auxiliary works

Dimas:

Construction of a new 400KV Conventional substation consisting of:

2 Nos. 400KV Diameter (2 OHL feeders and 1 transformer feeder) 2 Nos. 230 / 400 KV, 300MVA power transformers.
2 Nos. 20KV, 20 MVAr shunt reactors and 2 Nos.20KV, 20MVAr capacitors.

Extension of existing 230KV substation by one feeder. Associated auxiliary works.

Kisweh:

Extension of existing 230KV substation by one feeder.
Dimas & Deir Ali 400 KV Substations Extension.
Extending one 400 KV diameter per each substation.

2- Syria – Turkey 400 KV Interconnection / Siemens PTD:

including three substations

Zeyzoon:

Construction of new 400KV Conventional substation consisting Of:

3 Nos. 400KV Diameter (3 OHL feeders and 2 Transformer feeders) 2 Nos. 400230/KV, 300MVA power transformers.

2 Nos. 20KV, 20MVAr shunt reactor and 2 Nos.20KV, 20 MVAR Capacitors.

Extension of existing 230KV substation by one feeder. Associated auxiliary works.

Aleppo F:

Extension of existing 400KV substation By:

2 Nos.400KV Diameters (1 OHL feeders and 1 transformer Feeder) 1 No. 400230/KV, 300MVA Power transformers,

1 No. 400KV,50MVAr shunt reactor ,

Extension of existing 230KV substation by one feeder. Associated auxiliary works.

Hama II:

Extension of existing 400KV substation by 2 Diameters (2 OHL feeders)

Jandar:

Extension of existing 400KV substation by 2 Diameters (2 OHL feeders):

Lattakia:

Construction of new 400KV Conventional substation consisting Of:

2 Nos. 400 KV Diameter (2 OHL feeders and 2 Transformer feeders)

2 Nos. 230 / 400 KV, 300 MVA power transformers.

2 Nos. 20 KV, 20 MVA Capacitors.

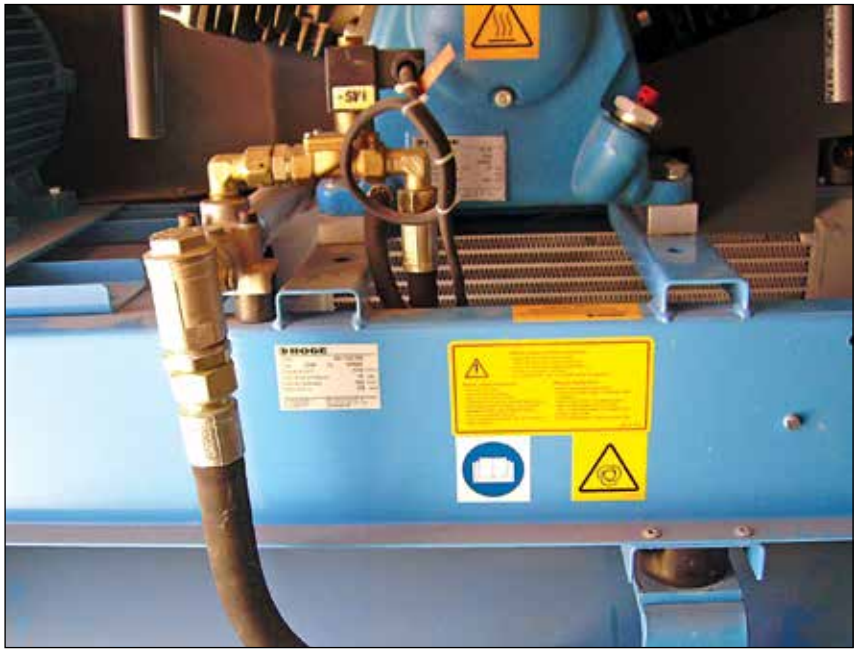
Extension of existing 230KV substation by 6 feeders. Associated auxiliary works.

3- Syria – Iraq 400 KV interconnection / Siemens PTD:

Adra Substation:

Construction of new 400 KV conventional substations consisting of:

1 Nos. new 400 KV Diameter (3 OHL feeders and 2 transformer feeders). Associated auxiliary works to comply with new project needs.



Jandar :

Construction of new 400 KV conventional substations consisting of

1 Nos. new 400 KV Diameter to reach 5 diameters (3 OHL feeders). Associated auxiliary works to comply with new project needs.

Nasserieh:

Construction of new 400 KV Conventional substation consisting of:

3 Nos. 400 KV Diameter (2 OHL feeders and 1 transformer feeder), 1 Nos. 230 /400 KV, 300MVA power transformers.
1 Nos.20 KV, 20 MVAr capacitors Bank,
1 Nos. 200.4/ KV, 800 KVA Auxiliary transformer.

Associated auxiliary works.

Taym:

Construction of new 400 KV Conventional substation consisting of:

3 Nos. 400 KV Diameter (2 OHL feeders and 1 transformer feeder), 1 Nos. 230 /400 KV, 300MVA power transformers.
1 Nos. 20 KV, 20 MVAr shunt reactors and
1 Nos. 200.4/ KV, 800 KVA Auxiliary transformer.

Associated auxiliary works.

Palmyra:

Construction of new 400KV Conventional substation consisting of:

2 Nos. 400 KV Diameter (2 OHL feeders and 1 transformer feeder), 1 Nos. 230 /400 KV, 300MVA power transformers.
1 Nos.20 KV, 20MVAr capacitors Bank and
1 Nos. 200.4/ KV, 800 KVA Auxiliary transformer.

Associated auxiliary works.

4- Syria – Iraq 400 KV Interconnection / ISOLUX Spain :

including three substations:

Aleppo -w:

Construction of new 400 KV conventional substations consisting of

3 Nos. 400 KV Diameter (3 OHL feeders and 2 Transformer feeders). 2 Nos. 230 /400 KV, 300MVA power transformer.
2 Nos .20 kV, 20 MVAr Capacitors, 230KV substation by two feeders.
Associated auxiliary works.

Hassakeh :

Construction of a new 400KV Conventional substation consisting of:

2 Nos. 400KV Diameter (2 OHL feeders and 1 transformer feeder), 2 Nos. 230 /400 KV, 300MVA power transformers.
2 Nos.20 KV, 20MVAr capacitors, 230KV substation by two feeders.

Associated auxiliary works

Dimas :

Construction of EXT 400 KV conventional substations consisting of

1 Nos. 400 KV Diameter (1 OHL feeders and 1 Transformer feeders).
1 Nos. 230/ 400KV, 300MVA power transformer.
2 Nos .20 KV, 20 KV auxiliary transformer, 230KV substation by one feeder.

Associated auxiliary works.

Tishreen II :

Erection, installation & commissioning for complete GIS station including:

3* (230/ 66 KV) of 125 MVA transformer
3* (66/ 20 KV) of 30 MVA transformer
6* (20 /0.4 KV) of 100 KVA Earthing transformer
3 * 230 KV + 3 * 66 KV + 18 * 20 KV feeders.

In addition to DC + Battery System, control & Protection Equipments, mechanical structures, High & Medium Voltage cables,

Kodsaya S/S :

Erection, installation & commissioning for complete GIS station including:

4 Nos. 230 KV Diameter (2 OHL Feeder and 2 Transformers)

2 Nos. 230/ 66 /20 KV , 125MVA power transformer 16NOS. 20kVA.

High Voltage Power Line Transmission Projects:

Erection, installation for complete Kodsaih line in Damascus including Preassembling and erection the towers ,OHL.OPCW Cable ,Civil work For 10 km.

AIS (230/ 66 / 20 KV) Forsan Substation / AREVA France:

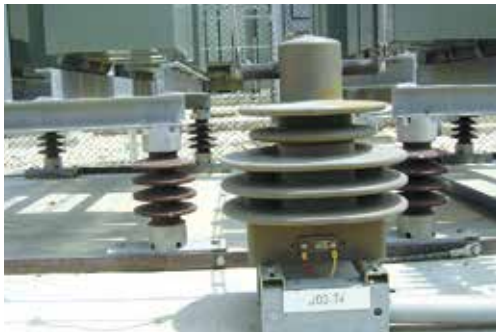
Erection, installation & commissioning for an extension diameter 230 KV includes:

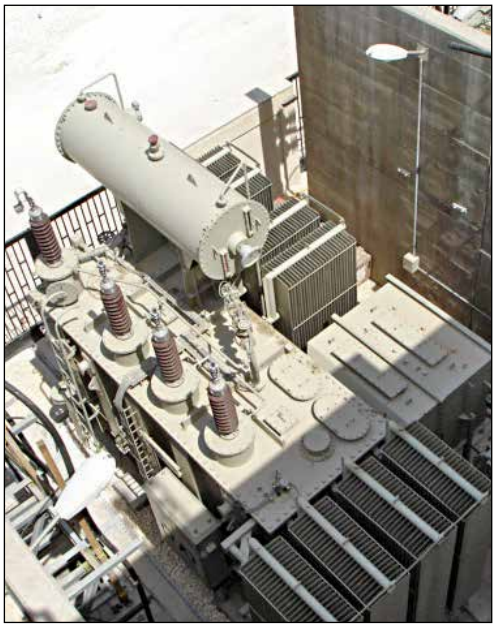
2 * (230 KV) feeder

3 * Current Transformer

6 * Voltage Transformer

Control & Protection Equipments, metal structures, earthing system, AC/DC panels and all related works. Started 2005





GIS (230/ 66 / 20 KV) ALEPPO Substation / AREVA France:

Erection, installation & commissioning for complete GIS station including:

3* (230/ 66 KV) of 125 MVA transformer
3* (66/ 20 KV) of 30 MVA transformer
6* (20 /0.4 KV) of 100 KVA Earthing transformer
3 * 230 KV + 3 * 66 KV + 18 * 20 KV feeders.

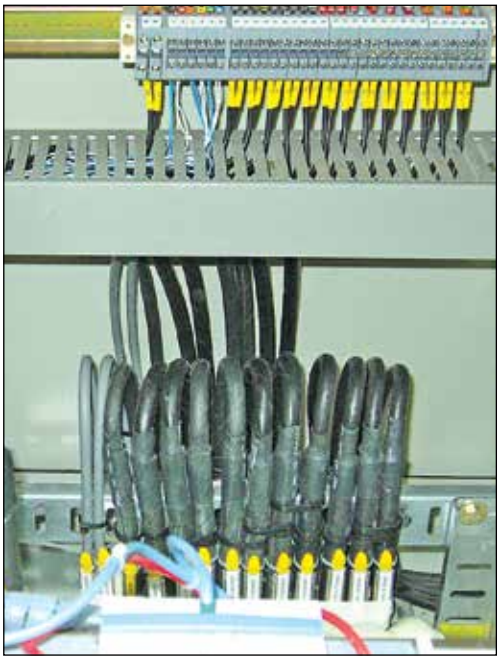
In addition to DC + Battery System, control & Protection Equipments, mechanical structures, High & Medium Voltage cables, Started 2005.

GIS (230/ 66 / 20 KV) Baramkeh Substation / AREVA France

Erection, installation & commissioning for complete GIS station in Damascus including:

3* (230/ 66 KV) of 125 MVA transformer
3* (66/ 20 KV) of 30 MVA transformer
6* (20 /0.4 KV) of 100 KVA Earthing transformer
3 * 230 KV + 3 * 66 KV + 18 * 20 KV feeders.

In addition to DC + Battery System, control & Protection Equipments, mechanical structures, High & Medium Voltage cables, all indoor / outdoor installations / Started 2005



SCADA System / AREVA Alstom France:

1- SCADA OPC Syria project and command for all high voltage substations in Syria:

Installing and commissioning for SCADA, telecom, adaptation, and control systems for (71) Seventy-One (230- 400 kv) Substations all over Syria. Started 2004

2 - SCADA OPC Syria project Extension :

Installing and commissioning for SCADA, telecom, adaptation, and control systems for (15) fifteen (230- 400 kv) Substations all over Syria. It started 2005

Key Personnel Participated in The Following Projects :

Projects in Saudi Arabia

-1 Tow MV Substation (13.8 / 34.5 / 132 KV):

NO.1 : Erection, installation & commissioning for complete MN station in Dammam including:

2* (132 /34.5 KV) of 125 MVA transformer
7* (34.5 KV) of transformer feeder.
2* (34.5KV) feeder
10* (13.8 KV) of transformer feeder.
10* (13.8KV) feeder

In addition to AC/ DC + Battery System, control & Protection Equipments, mechanical structures, Medium Voltage cables, SCADA System all indoor / outdoor installations / Started 2011

NO. 2 : Erection, installation & commissioning for complete MN station in Dammam including:

2* (132/ 13.8 KV) of 100MVA transformer
2* (13.8 KV) of transformer feeder.
7* (13.8 KV) feeder
4* (4.16 KV) of transformer feeder.
12* (4.16KV) feeder

In addition to AC/ DC + Battery System, control & Protection Equipments, mechanical structures, Medium Voltage cables, SCADA System all indoor / outdoor installations / Started 2011.

2 - GIS (13.8 / 132 / 380 KV) Riyadh Substation 9027 INABENSA Spain:

Erection, installation & commissioning for complete GIS station in Dammam including:

3* (380/ 132 KV) of 502 MVA transformer
3* (132 /13.8 KV) of 60 MVA transformer
3* (13.8 /0.4 KV) of 100 KVA Earthing transformer
16 * 380 KV + 28 * 132 KV + 28 * 13.8 KV feeders.

In addition to AC/DC + Battery System, control & Protection Equipments, mechanical structures, High & Medium Voltage cables, SCADA ,RTU ,SAS,SOE,TFR, DSM & Telecomm System ,Lighting Shunt Reactor 40Mvar ,132Kv all indoor / outdoor installations / Started 2011

GOVERNMENT BUILDINGS

PROJECTS

GOVERNMENT BUILDINGS

Women's Central Prison in Adra :

The rehabilitation of the prison includes supply and installation of all Electrical, mechanical, control Works and civil works.

Electrical work:

Prison Lighting, and Sound system, Main Distribution Board (MDB), Distribution and machines boards fire alarm, lightning, cabling, security & alarm systems.

Mechanical works include:

Heating Ventilation & Air Conditioning (HVAC).

Mowasah Hospital Emergency building :

The rehabilitation of the hospital installation of all Electrical and Civil Works.

Electrical work:

Main Distribution Board (MDB), Lighting, Cabling, Control Board.

Civil works:

building Expansion to accommodate the new MDB, and control Board , and others.

Mowasah Hospital old building:

(Emergency & ICU, Radiation, Intensive Care Unit and Operation Room)
The rehabilitation of the hospital included installation of all electrical and civil work.

Electrical work:

Main Distribution Board (MDB), Lighting, Cabling, Control panels.

Civil work:

building expansion to accommodate the new MDB, and control panels.

Mowasah Hospital Sound System:

The rehabilitation of the hospital installation of all Electrical and Civil Works.

Electrical work:

Engineering, installation, and commissioning of the entire system, including:
control console, receiver, mixer, switching unit, power amplifier set, monitor, cables, and speakers

Civil works:

Building expansion to accommodate the sound system.

Central Bank of Syria

Project Reference No. (20/2011) for the presentation, installation, and commissioning of electrical power supply works for the chillers at the Central Bank of Syria in Damascus..

INDUSTRIAL COMPLEXES

PROJECTS

INDUSTRIAL COMPLEXES

Midsteel Iron Factory : 66/ 20 / 230 KV Substation

Erection, installation & commissioning for complete GIS station in Damascus including:

1* (230 /66 KV) of 125 MVA transformer

1* (6620/ KV) of 30 MVA transformer

2* (20 /0.4 KV) of 100 KVA Earthing transformer

2 * 230 KV + 5 * 6.6 KV + 6 * 20 KV feeders.

In addition to AC/DC + Battery System, control & Protection Equipments, mechanical structures, High & Medium Voltage cables, all indoor / outdoor installations / Started in 2009.

SIAMCO Car Factory:

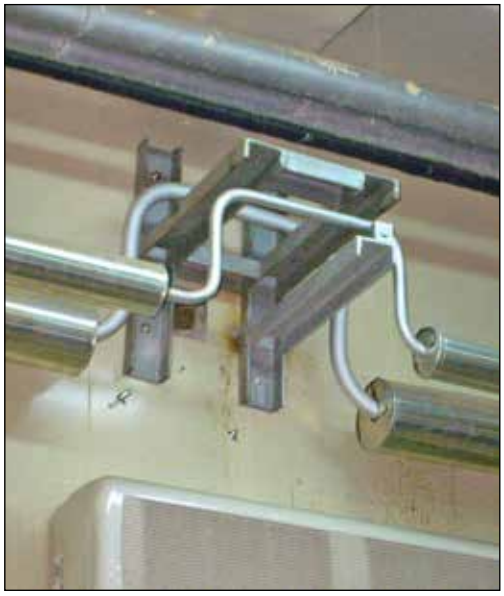
The rehabilitation of the factory installation of all Electrical, mechanical, and control Works.

Electrical works:

Gen-Set 630 KVA, Lighting, 3Power transformers (10001400+ KVA) and insulation transformer, Main Distribution Board (MDB), Distribution and machines boards.

Mechanical works include:

Cool Water & Hot Water & air treatment & Pumps , steam boiler air compressor .



Aleppo new Factory of preparing tobacco Ein-Al tal :

The rehabilitation of the factory includes supply and installation of all Electrical, mechanical, control Works and civil works.

Electrical work:

Gen-Set 1500 KVA, Lighting, Power transformers (1000 + 1400 KVA) and insulation transformer, Main Distribution Board (MDB), Distribution and machines boards.

Mechanical works include:

Water & air treatment & Pumps , steam boiler air compressor
Civil work: building Expansion to accommodate the new machines and others.

EMEG provides a wide range of services to industrial sectors on a daily basis, both locally and internationally. With operations across the Middle East, Europe, and Africa, the company maintains branches in the United Kingdom and Romania and continues to execute projects in countries such as Ghana and Libya.

Customer satisfaction remains a top priority at EMEG, and all technical and operational efforts are directed toward delivering reliable, efficient, and professional services.

EMEG welcomes ongoing communication with its clients and values feedback as part of its commitment to continuous improvement.

EMEG

For Electrical Mechanical Engineering

Experience Certificates

EXPERIENCE CERTIFICATES

AREVA

To Whom It May Concern:

This to certify that Mr. Walid Aboud was working as a project manager with Technical Group (AREVA T&D erection subcontractor) in OPC PROGECT Syria (National Control Center), he was doing his scope of work perfectly, and upon his request he took this certificate.

Regards,

Talal Eskandar
Areva T&D Project Manager

Damascus 18/May/2008

AREVA
AREVA T&D
Chakib Arslan Street
Damascus
Syria

EXPERIENCE CERTIFICATES

AREVA

To Whom It May Concern:

This to certify that Mr. Walid Aboud was working as a project manager with Technical Group (AREVA T&D erection subcontractor) in the project of Baramkeh and Aleppo A 230/66/20 kV GIS Substation, he was doing his scope of work perfectly, and upon his request he took this certificate.

Regards,

Talal Eskandar
Areva T&D Project Manager

Damascus 04/Sep/2006

AREVA

EXPERIENCE CERTIFICATES

METAL CONSTRUCTIONS OF GREECE S.A.
(METKA)

- **HEADQUARTERS - ATHENS :**
  8, ARTEMIDOS STR.
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  GREECE
  P.O. BOX : 50445
  TEL. : +30 210 2709200
  FAX : +30 210 2759528
  e-mail : info@metka.gr
- **BRANCH – FACTORY – VOLOS :**
  15, MYTILINIS & ETHNIKON AGONON STR.
  384 46 N. IONIA (VOLOS)
  GREECE
  TEL. : +30 24210 60461 - 5
  FAX : +30 24210 66582
  e-mail : ampa@metka.gr
- TAX CODE No : **EL - 094017290**

Our Ref :

To:

WHOM IT MAY CONCERN

Date : 02.05.2014

Combined Cycle Power Plants of EPC Contractor METKA

Dear Sirs,

This is to certify that **(EMEG)** *for Electrical, Mechanical and Engineering Group* (E. Walid Aboud) is currently subcontracted by our company for providing engineering and technical man-power to be involved in the Commissioning & Operation of a 701 MW CCPP (GTs Open Cycle Operation).
EMEG were responsible for coordination of the technicalities regarding erection commissioning and testing requirements with our Commissioning team.
They were doing their scope of work sincerely, and always available, attentive, solution-oriented and a trusted member of the subcontractor's project team.
We are pleased to confirm that their performance and experience fulfils our requirements as they are currently executing the work on time with best quality and on our complete satisfaction.

Sincerely,

METAL CONSTRUCTIONS OF GREECE S.A.
(METKA)

Theodoros Vatsiniou
Commissioning Dpt. Director

EXPERIENCE CERTIFICATES

METKA

Date: 05/10/2016

Subject: **THE EXTENSION OF DEIR ALI COMBINED CYCLE POWER PLANT CONTRACT NO. 495/EXT/PEEG**

REFERENCE LETTER FOR EMEG

TO WHOM IT MAY CONCERN

This is to certify that EMEG Group (Eng. Walid Abboud) has been a sub-contractor for the provision of engineering and technical man-power to be involved in the commissioning & operation of a 701MW CCPP (2GTs + 2 HRSGs + 1 ST).

EMEG has been responsible for the coordination of technicalities with the commissioning team of the Consortium regarding commissioning and testing.

They have performed their scope of work with sincerity, high availability and attention and they have always been a solution-oriented and trusted member of the team.

We are pleased to confirm that their performance and experience fulfils our requirements as they are currently executing the work on time with best quality and to the Consortium's satisfaction.

Sincerely yours,
On behalf of the Consortium METKA – Ansaldo Energia

Anastasios Tremis
Consortium Site Manager

Headquarters / Athens
8 Artemidos str., Marousi, 151 25 Athens, Greece
T: +30 210 2704 200 F: +30 210 2759 539 E: info@metka.com
Tax Code No: Ε' - 094017290

Industrial Plant / Volos
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T: +30 24210 60461 F: +30 24210 66582 E: info@metka.com
www.metka.com

EXPERIENCE CERTIFICATES

SIEMENS

Power Transmission and Distribution

To Whom It May Concern

Name: Christian Lange
Department: PTD H 26
Telephone: (09131)7-35372
Fax: (09131)7-35106
E-mail: Christian.Lange@siemens.com

Our reference: U741/360822/B1/Lg
Date: April 27th 2004

Subject: Work Report for Mr. Walid Aboud

We would like to confirm that Mr. Walid Aboud is associated with Siemens Company for the Syria-Jordan Interconnection and Syria Turkey Interconnection projects along with their extensions from October 1999 till to date.

The project were aimed at constructing four new and extending five high-voltage substations in Syria comprising 400/230kV outdoor switchgear, a digital protection system and a conventional control system.

Mr. Aboud started working as subcontractor's site manager and then later on was promoted to work as project manager, by his company, for the Syria Turkey Interconnection Project. Along with managing the project from subcontractor's side, he was also responsible for coordination of the technicalities regarding erection, commissioning and testing requirements with our site management.

Mr. Aboud was always a reliable, attentive, solution-oriented and a trusted member of the subcontractor's project team. He has shown a quick understanding of the methods and techniques employed in a complex electrical system and gained good expertise during this time.

We wish to express our satisfaction with his performance and our appreciation of his support enabling us to meet our Customer's expectations in executing the job in an excellent manner.

For his future career, we wish Mr. Aboud success and good luck!

Christian J. Lange

Director Projects
Middle-East & Africa

High Voltage Division
Head
Michael Rhode

Group Executive Management of Power Transmission and Distribution
Dr. U. Niethage, Group President
Dr. J. Schloss

Postal address:
PTD H 26
PO Box 3220
91050 Erlangen

Office address:
PTD H 26
Paul-Gossen-Str. 100
91052 Erlangen

EXPERIENCE CERTIFICATES

SIEMENS

PTD Projects Syria

Name	Y. Jilani
Department	PTD Projects Syria
Telephone	+963 / 11 / 612 42 78
Fax	+963 / 11 / 612 50 77
Your letter	
Our Reference	
Date	07.12.2004
Pages	1

TO WHOM IT MAY CONCERN

Subject: Work Report for Mr. Walid Aboud

We would like to confirm that Mr. Aboud was associated with Siemens PTD Projects, Syria (PTD PS) for the Syria-Jordan and Syria-Turkey Interconnection Projects (along with their extensions) from October 1999 till to date.

The projects were aimed at constructing four new and extending five existing high-voltage substations in Syria comprising 400/230kV outdoor switchgear, a digital protection system and a conventional control system. The substation sites were located at Deir Ali, Dimas, Adra, Kisweh, Jandar, Zayzoon, Aleppo, Hama and Lattakia.

Mr. Aboud was working as Subcontractor's project manager and as commissioning assistant in the field of interlocking, control and protection for 400/230/20kV Switchgear Systems on different sites of the project.

Mr. Aboud's work was to our entire satisfaction and we appreciate his support in execution of our job on time with best quality. We wish that he continues to play an active role in subcontractor's team for our future projects.

Y. Jilani
Project Manager

PTD Projects Syria
SIEMENS

Siemens AG - Damascus Branch
Power Transmission & Distribution Projects Syria (PTD PS)

Tel 612 42 78
Fax 612 50 77

PO Box 2298 - Damascus

EXPERIENCE CERTIFICATES

ISOLUX CORSÁN

ISOLUX INGENIERIA, S.A.
Syria Branch
17 Nissan St. - building 185 - 1st. F - Kafer Souseh
P.O. Box: 5576-Damascus-Syria
Tel. +963 11 88279040 - 213 17 88
Fax: +963 11 2133739
Mobil: 0955336849/0944476823

Walid Aboud
EMEG

Dec 5th 2007

Our Ref.: ISO.ING.SB/340/2008

SUBJECT: Contract Nº 395/EXT/PEEGT- 400KV Aleppo-W and Hasakeh-2 Substations.
RECOMMENDATION LETTER

To whom it may concern,

This is to certify that Electrical, Mechanical and Engineering Group (EMEG) is currently subcontracted by our company as main electromechanical contractor for the above mentioned substations.

We are pleased to confirm that their performance and experience fulfils all our requirements as they are currently executing the work on our complete satisfaction.

For your information.

Regards.

Eng. ROBERTO DIAZ LUPERENA
Branch Manager
ISOLUX INGENIERIA, S.A.
SYRIA BRANCH
GRUPO ISOLUX CORSAN

EXPERIENCE CERTIFICATES

ISOLUX CORSÁN

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Eng.Walid Alabboud
EMEG

Dec 5th 2010

Our Ref.: ISO.ING.SB/270/2010

SUBJECT: Contract Nº 254/ 2008/EXT - (Tishreen 2)
RECOMMENDATION LETTAR

To whom it may concern,

This is to certify that Electrical, Mechanical and Engineering Group (EMEG) is currently subcontracted by our company as main electromechanical contractor for the above mentioned substations.

We are pleased to confirm that their performance and experience fulfils all our requirements as they are currently executing the work on our complete satisfaction.

For your information.

Regards,

Eng. BASSAM KHALED
Branch Manager
ISOLUX INGEIERIA, S.A
SYRIA BRANCH
GRUPO ISOLUX CORSAN

ISOLUX INGENIERIA S.A. Syria Branch

EXPERIENCE CERTIFICATES

ISOLUX CORSÁN

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Fax: +963 11 2133739
Mobil: +34 670 209 947 /+963 944 476 823

Eng.Walid Alabboud
EMEG

Jun 5th 2010

Our Ref.: ISO.ING.SB/310/2010

SUBJECT: Contract Nº 479/EXT-PEEGT SYRIA-400/230KV DIMAS EXTENTION
RECOMMENDATION LETTAR

To whom it may concern,

This is to certify that Electrical, Mechanical and Engineering Group (EMEG) is currently subcontracted by our company as main electromechanical contractor for the above mentioned substations.

We are pleased to confirm that their performance and experience fulfils all our requirements as they are currently executing the work on our complete satisfaction.

For your information.

Regards,

Eng. BASSAM KHALED
Branch Manager
ISOLUX INGEIERIA, S.A
SYRIA BRANCH
GRUPO ISOLUX CORSAN

ISOLUX INGENIERIA S.A Syria - Branch

ISOLUX CORSÁN

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Eng.Walid Alabboud
EMEG

OCT 5th 2010

Our Ref.: ISO.ING.SB/342/2010

SUBJECT: Contract Nº 468/EXT-PEEGT-230/66 /20 KV Kodsaya S/S
RECOMMENDATION LETTAR

To whom it may concern,

This is to certify that Electrical, Mechanical and Engineering Group (EMEG) is currently subcontracted by our company as main electromechanical contractor for the above mentioned substations.

We are pleased to confirm that their performance and experience fulfils all our requirements as they are currently executing the work on our complete satisfaction.

For your information.

Regards,

Eng. BASSAM KHALED
Branch Manager
ISOLUX INGEIERIA, S.A
SYRIA BRANCH
GRUPO ISOLUX CORSAN

ISOLUX INGENIERIA S.A. Syria Branch

EXPERIENCE CERTIFICATES

Assad Said
For Contracting Co. LTD.
C.R. : 10873

ASC/MAI-525/ Osais 0051 14.02.2011

Al Osais Inabensa Co. Ltd
Ph: +966 (0)3 819 1870 xtn: 105
Fax: +966 (03 819 1871
Email: sahil@osais.com

For the attention of **Eng. Walid Alabboud / EMEG**

Subject: Contract Nº 9027/EXT - Riyadh Substation INABENSA Spai GIS (380 / 132 / 13.8 KV)

To Whom It May Concern,

This is to certify that Electrical, Mechanical and Engineering Group (EMEG) is currently subcontracted by our company as main electromechanical contractor for the above mentioned substations.

in the project of Riyadh Substation 9027 INABENSA Spai GIS (380 / 132 / 13.8 KV), he was doing his scope of work perfectly, and upon his request he took this certificate.

We are pleased to confirm that their performance and experience fulfils all our requirements as they are currently executing the work on our complete satisfaction.

For your information.

Regards,

Eng. BASSAM KHALED

Tel. : 00966 1 479 0900 / 00966 1 478 8344 Fax : 00966 1 476 5294
P.O.Box 3936 Riyadh 11481 - C.C. No. : 5085 - Kingdom of Saudi Arabia
E-mail:info@assadsaid.com

Website:www.assadsaid.com

COMAS
tobacco machinery

Date 30th Oct., 2003

TO WHOM IT MAY CONCERN

Ref. n° CM/gc

LETTER OF SERVICE

Dear Sirs,

We, COMAS S.p.A. (Italy), hereby declare that Eng. Walid Aboud has worked as a "site-activity co-ordinator" for the Company "TG Technical Group", engaged by G.O.T. (General Organization of Tobacco", Syria, to implement the electrical supply connections from the our machines to the corresponding electrical control panel units, installed by G.O.T. at Aleppo, during the year 2003.

We therefore can recommend him to anyone who may need his services as we have been satisfied with the work he has performed for us through the Company "TG Technical Group".

Yours faithfully,

COMAS S.p.A.

Dr. Cesare Martin
Commercial Manager

For More Information

London. UK :

49 Manly Dixon Drive EN36BQ
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Tel. : +963 11 231 56 00
Fax. : +963 11 232 06 94

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Ouzaai Street- Barbir
Mob. : +961 715 49 505
Tel. : +961 166 36 78
Fax. : +961 166 36 78

website: emeg.group **info@emeg.group**