

# Magdy Gouda Abdel Rahman Shemis

## Senior Electrical Engineer

He is an Electrical Engineer with more than 28 years experience in power generation, substations and airports projects. He worked as commissioning manager, engineering manager and construction manager in a number of large scale projects with international reputable organizations.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 05/05/1956

### EDUCATION

: B. Sc. in Electric Power & Machines Engineering, Mansoura University, 1980

### LANGUAGES

Arabic : Native Language  
English : Excellent

### COMPUTER SKILLS

: Windows, Microsoft Office Word, Excel, MS Project

### TRAINING COURSES AND CERTIFICATIONS

: Numerical Protection System Siprotec (Siemens Training Centre).  
: 7SS 52 Bus bar Protection (Siemens PTD SE Training Centre).

### CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2009 till now (Jan. 2011)  
**Employer** : EGYPTROL  
**Job title** : Electrical Commissioning Manager  
**Job Description** :

- Prepare commissioning procedure for electrical systems.
- Plan and supervise company's commissioning team activities in different job sites.
- Participate in offers preparation in bidding phase.
- Participate in electrical systems engineering studies.

**Dates** : From Mar. 2007 till Jun. 2009  
**Employer** : Thermo LLC  
**Project** : Dubai airport (AX324) terminal 3 & concourse 2

**Job title** : Project Packages Manager  
**Job Description** : For electrical packages installation of different substations (33 substations) he was leading the following construction and commissioning team activities:

- LV switchgears main and sub distributions boards (MDB&ESB).
- Motors control centres (MCC).
- Substations & transformers main earthing system.
- Electrical installations for rotundas.

**Dates** : From Jan. 2006 till Feb. 2007

**Employer** : Al Toukhi Company for Industry & Trading, KSA

**Job title** : Manager of Electrical Engineering and Design Department

**Job Description** :

- Team leader of designer staff.
- Responsible for management/coordination for varies design phases.
- Reviewing and analysis of the documentation and studies process flow.
- Sizing calculations for power plants, substations equipments, relay setting calculation, system coordination and protection schemes.

**Dates** : From Dec. 2003 till Jan. 2006

**Employer** : Al Toukhi Company for Industry & Trading, KSA

**Project** :

- Jazan extension Power Plant for SAUDI ELECTRICITY COMPANY (6x102.400MW gas turbine generators GE-USA Make) and 132KV substation extension GIS type ABB make.
- Arar Extension Power Plant for SAUDI ELECTRICITY COMPANY (2x102.400MW gas turbine generators GE-USA make).
- Rafha Extension Power Plant for SAUDI ELECTRICITY COMPANY (2x37MW gas turbine generators GE-France make) and 33KV substations.
- Tihama Extension Power Plant for SAUDI ELECTRICITY COMPANY (2x102.400MW Gas turbine generators GE-USA make).
- Muhayil Substation (132KV / 33KV).

**Job title** : Electrical Engineering & Design Coordinator

**Job Description** :

- Responsible for development of main metering protection.
- Single line diagram, reviewing system study, relay setting calculation & coordination.
- Cable schedule, interfacing chart, procurements of materials, preparing of purchase orders and reviewing supplier detail design for the following equipments:
  - Jazan 132 KV GIS S/S extension for two Bays (1 ½ C.B.) ABB make.
  - 33KV, 13.8KV, 480 SWG. ABB make for JAZAN P.P.
  - SIEMENS make for ARAR & RAFHA SWG. and Schneider make for Tihama P.P.
  - MV, LV cable & bus duct.
  - Generator step up, Unit auxiliaries & station auxiliary's transformers.
  - Battery, Battery chargers and UPS / DC distribution system.
  - Muhayil S/S 132KV substation & 33KV S/S ABB make, power transformers and protection equipments.

**Dates** : From Jan. 2003 till Dec. 2003  
**Employer** : Egyptian Electricity Holding Company (EEHC)  
**Project** : Talkha Power Plant  
**Job title** : Protection Engineer  
**Job Description** : Responsible for (220/66/6KV) GIS substation (Merlin Gerin).

**Dates** : From Oct. 2001 till Dec. 2002  
**Employer** : Siemens AG  
**Project** :

- ITL Project (Electrical Interconnection between Tunisia and Libya): Mednine, Zarzis & Bouchemma 225KV/150KV Substation).
- 9 Plane Project (Mornaguia & Monastir 225KV/150KV Substation).

**Job title** : Testing & Commissioning Engineer  
**Job Description** :

- Responsible for line protection system as distance relays (7SA52, Epac 3000), transformer protection system, bus bar protection (7SS5) and control system.
- Follow up and resolve all guarantee issue.

**Dates** : From May 2001 till Sep. 2001  
**Employer** : Alstom T&D  
**Project** : Suez Port Said Power Plant 2x2x350MW  
**Job title** : Protection & Commissioning Engineer for 500KV substation

**Dates** : From Jan. 2001 till Apr. 2001  
**Employer** : Operation & Maintenance Power Company (OMPC)  
**Project** : El-Kureimat Power Plant Unit 1&2 (2x600MW Power Station)  
**Job title** : Electrical Maintenance Superintendent Engineer

**Dates** : From Jun. 2000 till Dec. 2000  
**Employer** : Siemens AG  
**Project** : Midelec GTPP (3xV64.3)  
**Job title** : Protection Engineer  
**Job Description** : Commissioning Engineer for Generator & Transformers Protection System, switchgear, 220DC System (battery and batter charges).

**Dates** : From Aug. 1998 till Jan. 2000  
**Employer** : Rueckert Gmbh & Co. KG (ABB subcontractor)  
**Project** : New Athens International Airport (N.A.I.A.) Project  
**Job title** : Electrical Engineer  
**Job Description** :

- Supervise 20KV outdoors cabling installation.
- Preparation of method statements for each individual phase of cable pulling, installation of 20KV slip-on-types indoor termination, plug in termination for connection to metal-enclosed SF6-insulated switchgears and joints.
- Execution of H.V. testing.

- Energizing of M.V. switchgears and transformers.

**Dates** : From Jan. 1996 till Jun. 1998  
**Employer** : ABB Calor Emag Schaltanlagen AG  
**Project** : Al Ain International Airport  
**Job title** : Commissioning Engineer (Relays & Control Specialist)  
**Job Description** :

- Commissioning of power distribution systems (MV, LV switchgear, transformers, emergency generators and control).
- Training the client's personal on operation & maintenance of all LV and MV electrical systems.

**Dates** : From Dec. 1993 till Jan. 1996  
**Employer** : ABB/ACE  
**Project** :

- Cairo West Power Plant Unit 5 & 6 (2x350MW).
- El-Kureimat Power Plant Unit 1 & 2 (2x600MW).

**Job title** : Commissioning & Guarantee Engineer  
**Job Description** :

- Commissioning of generators, transformers protection system, MV & LV switchgear, 220&24V DC system cable test (MV & LV cables) and UPS system, auto transfer system, as built drawings.
- Testing & commissioning MV switchgear and protection system (El-Kureimat Power Plant).

**Dates** : From Oct. 1989 till Dec. 1993  
**Employer** : Egypt Electricity Authority (EEA)  
**Project** : Talkha Power Plant  
**Job title** : Protection Engineer  
**Job Description** :

- Responsible for commissioning and testing of power transformers, protection system and control system for 220/66/6.6KV Talkha Substation.
- Testing and commissioning of transformers & generator protection system for unit no. 1 (210MW).
- Training of operation Engineer's staff at GIS system and protection system.

**Dates** : From Jun. 1987 till Oct. 1989  
**Employer** : Egypt Electricity Authority (EEA)  
**Project** : Cairo 500/220/11KV Substation  
**Job title** : Protection Engineer

**Dates** : From 1982 till Jun. 1987  
**Employer** : Sirafi Establishment, Saudi Arabia  
**Job title** : Electrical Engineer  
**Job Description** : Supervise MV & LV cables installation and electrical distribution system for hotels and buildings.