

# Magdy Hussein Hamid

## Senior Mechanical Engineer

He holds a B. Sc. and a post graduate Diploma in Mechanical Engineering. He has 17 years experience in fossil fuel power plants operation and complete knowledge in electrical and I&C components of the power generation plants. He worked in power plants and pumping stations in Egypt, Syria and Algeria.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 04/05/1967  
Marital Status : Married

### EDUCATION

: B. Sc. in Mechanical Engineering (Thermal Power), Assiut University, 1993  
: Post graduate Diploma of Mechanical Engineering (Thermal Power), Assiut University, 2001

### LANGUAGES

Arabic : Native Language  
English : Fluent

### COMPUTER SKILLS

: Windows, Microsoft Office Word, Excel, Power Point, Internet  
: XP Teleperm, TLAN – 90 PCV 4.3C(QNX), Tosbac 7/40E  
: Fortran

### TRAINING COURSES AND CERTIFICATIONS

: Advanced training of operation, Power Station in Abu-Kerr Thermal Power Plant.  
: Training course in North Cairo Training Centre.  
: In-site training in Assiut Power Plant.  
: Experience certification from Consortium Koch / Siemens Companies.  
: Power Point course in Assiut Power Plant, also certifications of Word and Excel.

### CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2010 till now (Jan. 2011)  
Employer : EGYPTROL (Commissioning Subcontractor for HRSG Contractor - NEM)

**Project** : Al Atf Combined Cycle Power Plant 750MW  
**Job title** : Commissioning, Start-up and Operation Leader  
**Job Description** :

- Prepare details of commissioning schedule coordinating with other contractors to meet project overall schedule.
- Manage commissioning activities on a day to day basis.
- Represent NEM in the daily commissioning meeting.
- Plan for the equipment's cold and hot function tests.
- Provide technical support for commissioning team.
- Supervise 24/7 operation shift engineers of MDEPC.
- Analyze and troubleshoot commissioning and operation problems.
- Supervise HRSG performance and reliability test.

**Dates** : From Nov. 2009 till Mar. 2010  
**Employer** : EGYPTROL seconded to ABB Manheim

**Project** : Water Pumping Project, Algeria  
**Job title** : Commissioning and Start-up Leader  
**Job Description** :

- Prepare details of commissioning schedule.
- Manage commissioning activities on a day to day basis.
- Provide technical support for commissioning team.

**Dates** : From Apr. 2009 till Nov. 2009  
**Employer** : EGYPTROL (Commissioning Subcontractor for BoP Contractor - TOYOTA/TOSHIBA)

**Project** : Al Atf Combined Cycle Power Plant 750MW  
**Job title** : Mechanical Commissioning, Start-up and Operation Leader  
**Job Description** :

- Prepare details of commissioning schedule coordinating with other contractors to meet project overall schedule.
- Managing commissioning activities on a day to day basis.
- Attend commissioning daily meeting with the client representing TOYOTA/TOSHIBA.
- Plan for the equipment's cold and hot function tests.
- Provide technical support for commissioning team.
- Supervise 24/7 operation shift engineers of MDEPC.
- Analysis and troubleshooting of commissioning and operation problems.

**Dates** : From Jan. 2008 till Mar. 2009  
**Employer** : Upper Egypt Electricity Production Company (UEEPC)  
**Project** : Assiut Thermal Power Station, 2x312MW Steam Power Plant including:

- MITSUBISHI ball firing dual fired (N.G. /HFO) drum type, forced circulation, reheat boiler with 2x50% FD /GR fans, air heater, soot blowers, etc.
- ANSALDO front & rear burners dual fired (N.G./HFO) drum type, natural water circulation, reheat boiler with 2x50% FD /GR fans, air heater, soot blowers, etc.
- MITSUBISHI STG with H, IP and LP cylinders, H2 cooled Generator and FRANCO TOSI river water cooled Condenser with C.H. ZIKESCH GMBH. HP, SULZER LP Steam Bypass systems.
- ANSALDO STG with H, IP and LP cylinders, H2 cooled Generator

and river water cooled Condenser with REXROTH HP/LP Steam Bypass systems.

- BOP including 7 stage regenerator feed water heaters, circulating water, 2x50% MFWP and 1x100% TFWP, closed cooling water, compressed air, EDG, fuel handling, ball cleaning, aux boiler and TELEDYNE ENERGY H2 production systems.

**Job title** : Deputy Head of Operations Department

- Job Description** :
- Leading and coordinating station operation activities.
  - Managing and prioritize work loads.
  - Making analyses for operation trouble-shooting.
  - Preparing procedure for systematic and sequential pre-commissioning, commissioning, start-up of plant after maintenance from the engineering, technical documents and vendor information.
  - Supervise work according to routine maintenance schedules for plant and equipment.
  - Ensure the setting up of safety and precautionary requirements and procedures are followed before, during and after maintenance.
  - Making daily technical reports about the unit's abilities & efficiencies for Operation Manager.
  - Team leader & coordinator of operation activities schedules with other internal departments and with the dispatch center.
  - Provide effective support to the team to maximize the contribution made to the plant objectives.
  - Delegates effectively and creates a work climate where people succeed and empowers people to take action.
  - Demonstrates the ability to influence events and achieve objectives to time and budget.
  - Hold regular review meetings with the maintenance departments to resolve any equipment related problems.
  - Trainer for operation engineers.

**Dates** : From Oct. 2007 till Jan. 2008

**Employer** : KOCH/SIEMENS Consortium

**Project** : Al Naserria Power Plant Extension, Syria

Combined Cycle Plant comprising:

- 3 Fiat Avio gas turbine, 115MW each.
- One Siemens Steam Turbine 150MW with HP & LP casing.
- Siemens Air Cooled Generator.
- HP & LP bypass system.
- Direct contact jet condenser cooled by dry air cooling tower.
- NEM HRSG with HP & LP drums and forced recirculation pumps.
- BOP including: HP & LP feed water pumps, RO Demi plants, condensate polisher, raw and sanitary water systems, etc.

**Job title** : Start-up & Shift Engineer

- Job Description** :
- Responsible for conducting plant start-up activities during the shift.
  - Maintain efficient power plant stability during performance, reliability and guarantee tests.

**Dates** : From Nov. 2005 till Oct. 2007

**Employer** : Upper Egypt Electricity Production Company (UEEPC)

**Project** : Assiut Thermal Power Station  
**Job title** : Deputy Head of Operations Department

**Dates** : From Mar. 2002 till Nov. 2005  
**Employer** : Upper Egypt Electricity Production Company (UEEPC)  
**Project** : Assiut Thermal Power Station  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Making daily technical reports about the unit's abilities & efficiencies for Head of Operation department.
- Supervise and distribute work during the shift.
- Receive and carry out instructions from the power station management.
- Brief, instruct and train subordinate staff according to instructions issued.
- Issue switching instructions prior to issuing a permit to work.
- Carry out, supervise and ensure that safe and proper switching is carried out.
- Issue Permit-to-Work, Sanction-for-Test and Limitation-of-Access in accordance with regulations.
- Carry out switching as authorized by the management.
- Maintain files and records of instructions, memoranda, etc. in good order.
- Supervise personnel safety and report all hazardous events and accidents.
- Report verbally and in writing, any faults that have occurred.
- Keep records of operations, faults, switching, hydrological conditions, etc.
- Attend to faults that have occurred in order to rectify them himself or call for assistance as soon as possible (with due regard to instructions issued).
- At shift change, inform the next shift about the current operating situation, orders, issued Permits-to-Work and any other matters that are necessary to know for the operation of the power station.
- Handing over the plant from maintenance in line with the operation schedules and requirements.
- Anticipating and responding effectively to operational demands and assist in achieving safe and efficient generation and maintain power plant stability.
- Connect & disconnect electrical circuit.
- Administrative executive for the shift.

**Dates** : From Apr. 1994 till Mar. 2002  
**Employer** : Upper Egypt Electricity Production Company (UEEPC)  
**Project** : Assiut Thermal Power Station  
**Job title** : Operation Shift Engineer  
**Job Description** :

- Supervising casual labourers, entrepreneurs' staff, etc.
- Checking round the plant according to instructions, taking readings of instruments, gauges, etc.
- Lubricating, cleaning, adjusting and carrying out minor maintenance work on equipment and machinery, as specified in the scheduled

- maintenance chart or as instructed by the Shift Charge Engineer.
- Assisting the Shift Charge Engineer and the Control Room Technician with operation of switching apparatus that cannot be remotely controlled from the Control Room, trouble-shooting, etc.
  - Assisting the Shift Charge Engineer in operational duties outside the Control Room.
  - Reporting abnormal observations, faults, etc. to the Shift Charge Engineer.
  - Carrying out any other duties or instructions delegated.
  - Making quality decisions and exercise sound judgment.
  - Control of active and reactive power, voltage, current, temperature, etc. according to settings.
  - Start-up, synchronize, load and shut down units as required.
  - In case of system disturbance, normalization of system through safe and accepted switching procedures.
  - Perform all switching that can be done from the control room.
  - Monitor, control, record and report indications, alarms, trips, faults and abnormalities observed.

**Further  
Experience**

- :
- In long maintenance period works as assistant maintenance engineer in parallel with my basic work.
  - Co-operating with Mitsubishi Company in internal chemical cleaning of 1085 Ton/hour water tube boiler.
  - Working in external chemical cleaning of super heaters & reheaters of 1085 ton/hour steam generator.
  - Working in internal chemical cleaning of condenser tube side.