

103338-MEC-148GMYn-E-2001
Mechanical Maintenance & Condition Monitoring Engineer

Holds a B. Sc. in Mechanical Power Engineering and has about 24 years' experience, working mainly in maintenance field. Dealing with main steam turbine 4x315MW, auxiliaries, feed water pumps, condensate pumps, compressors, circulate pumps, closed cooling pumps, heat exchanger, etc. and as DEWA Commissioning & Tendering Engineer preparing tendering testing supplier materials.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/05/1977
Gender : Male
Marital Status : Married
Residence : Shoubra El-Kheima

EDUCATION

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 2001

LANGUAGES

Arabic : Native Language
English : Very Good
French : Basics

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D
: SAP

TRAINING COURSES AND CERTIFICATIONS

: DOOSAN Training for WEST CAIRO POWER STATION PROJECT IN KOREA (Jul./Aug. 2019).
: Course of SAP Navigation, DEWA Wave-II SAP Implementation Project, EDWA (DUBAI ELECTRICITY AND WATER AUTH.).
: Attend conference of VIBRATION INSTITUTE with RITEC (Oct. 2022).
: Course of vibration analysis conditioning monitoring and balance from Delta Company Electronic B&K TECHNOLOGY DENMARK 2526 vibrotest equipment and laser alignment with CSI 8117 equipment.
: Basics and site specifics training courses, constituting a program of concentrated study of power plant equipment and system theory and application from Shoubra El-Kheima Power Station Training Center (from Dec. 2002 till Apr. 2003) (OVER SEAS BECHTEL).

- : Vibration analysis of rotating machine course from Shoubra El-Kheima Power Station Training Center.
- : Vibration condition monitoring and balancing equipment course from Shoubra El-Kheima Power Station Training Center (Jan. 2004).
- : Alignment course from Shoubra El-Kheima Power Station Training Center (Jul. 2004).
- : Hot & cold unit operation course from Shoubra El-Kheima Power Station Training Center.
- : The benefits of unit outage cases and how to deal with it course from Shoubra El-Kheima Power Station Training Center.
- : The emergency unit outage and how to deal with it course from Shoubra El-Kheima Power Station Training Center.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2013 till now

Employer : NORTH CAIRO COMPANY FOR PRODUCING ELECTRICITY

Project : Shoubra El-Kheima Power Station (4x315MW steam turbine)

Job title : Mechanical Maintenance & Condition Monitoring Engineer

Job Description :

- Prepare and execute the annual overall inspection.
- Steam turbine inspection (Steam turbine (Westinghouse 315MW at 3000 rpm).
- AUX. maintenance (Boiler feed water pump, Condensate water pump Closed cooling water pump, Circulating water pumps, etc.).

Condition Monitoring Engineer - portable inst. & Online sys. BENTLEY NEVADA 3500.

- Vibration readding for all main equipment (install database for all machine).
- Analysis & diagnosis all defects and faults of machine.
- Erbesd MX30 with program MX V10. 18 & B&K data collector 2526 equip.
- FFT, time wave, envelop, polar diagram, phase analysis, bode diagram, orbit.
- Carry out BALANCE (Steam turbine, FDFs, GRFs, etc.).
- Carry out ALIGNMENT BY LASER ALIGN. Equip. (easy laser, ultrasonic, etc.).

Dates : From Nov. 2008 till Dec. 2012

Employer : DEWA (DUBAI ELECTRICITY AND WATER AUTH.)

Project : JABEL ALI POWER STATION, DUBAI – UAE

Job title : Maintenance & Tendering Engineer

Job Description :

- MMD - IP (mechanical maintenance department - internal project).
- Commissioning and start-up each equipment - condition motoring vibration analysis.
- Prepare for tendering and comparing between them & approval.
- Deal with SAP operating system O&M.
- Testing & approved providing materials by supplier.
- Using AUTOCAD DRAWING program for modify approval drawing during project.

- Supervision & following all project.
- Prepare presentation slides and evaluated the project process.

Dates : From May 2008 till Nov. 2008
Employer : SUCO (SUEZ OIL Company)
Project : Petroleum Crude Oil Product Company, RAS BADRAN, ABORDES – EGYPT
Job title : Mechanical Maintenance Engineer - rotary machine
Job Description :

- Execute for two shutdowns.
- Rotary machine maintenance.
- Testing stationary equipment.

Dates : From Nov. 2002 till May 2008
Employer : NORTH CAIRO COMPANY FOR PRODUCING ELECTRICITY
Project : Shoubra El-Kheima Power Station (4x315MW steam turbine)
Job Description :

- Maintenance Engineer (Oct. 2005 – May 2008):
 - Prepare and execute the annual overall inspection.
 - Steam turbine inspection (Steam turbine (Westinghouse 315MW at 3000 rpm).
 - AUX. maintenance (Boiler feed water pump, Condensate water pump Closed cooling water pump, Circulating water pumps, etc.).
- Operation Engineer (from Nov. 2002 till Oct. 2005):
 - Control room vision process.
 - Isolate equipment for maintenance departments.

Dates : From Jul. 2002 till Nov. 2002
Project : Kattamya Center Project Cairo – Egypt, Contract: Ascon/ETA Nabcontract J.V. (AENJV)
Job title : Site Engineer

Dates : From Mar. 2002 till Jun. 2002
Employer : Cool Way for Contraction of Central Air Condition

Dates : From Sep. 2001 till Mar. 2002
Employer : Nahdat Misr for Elec. Industrial