

Holds a B. Sc. in Mechanical Power Engineering and has about 24 years' experience in mechanical engineering, operation and maintenance of power plants, project management, Oil & Gas Field, and Petrochemical Industries.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/11/1973
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Ain Shams University, 1998
: Diploma in Mechanical Power, Technical Institute, 1993
: Diploma in Mechanical Assembly, Technical Secondary School, 1991

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2000

TRAINING COURSES AND CERTIFICATIONS

: Shoubra El-Kheima Power Plant Basics and Site Specifics Courses (Bechtel Company) (from Feb. till Jun. 2001).
: Vibration Measuring and Diagnostic for Rotary Machine (1 week).
: Vibration and its Effect on Equipment and Buildings (1 week).
: Alignment for Rotary Machine (1 week).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2019 till now
Employer : MECH. GROUP (Advanced Maintenance Solutions) MG (my own company)
Job title : General Manager

Job Description :

- Rotating and Static Machine Maintenance and Overhauling.
- Mechanical Equipment Troubleshooting.
- Rotating Machine Vibration Analysis and Diagnostic.
- Alignment by Laser Device.
- Training Center Director.

Dates : From Sep. 2013 till Jul. 2019

Employer : Advanced Consulting for Technologies (ACT), Egypt

Job title : Service Director

Job Description :

- Rotating Machine Vibration Analysis and Diagnostic.
- Alignment by Laser Device.
- Mechanical Equipment Troubleshooting and Maintenance.
- Training Center Director.

Dates : From Nov. 2014 till Mar. 2015 (temporary job)

Employer : PEMCO Co.

Project : Shoaiba Power Plant Shutdown, KSA

Job title : Site Manager

Dates : From Feb. 2012 till Aug. 2013

Employer : Kuwait National Petroleum Company (KNPC)

Job title : Rotating Equipment Engineer

Job Description :

- Rotating Equipment Troubleshooter.
- Rotating Equipment Maintenance Engineer

Dates : From May 2010 till Jan. 2012

Employer : Petrochemical Industrial Company (PIC), Kuwait

Job title : Reliability Engineer (Rotary)

Job Description :

- Troubleshoot and analyze equipment malfunction.
- Failures analyses and Machinery performance evaluation.
- Plan, coordinate and support machinery repair.
- Condition base spare parts planning.
- Maintenance planning based on condition and predictive analysis, knowledge of health, safety and environmental requirements in oil and gas industry.
- Reliability Engineering Methodologies, Rotating Equipment and Condition Monitoring area.
- Provide leadership for Mechanical (PM/PDM for Rotating Equipment).
- Provide ownership to one or more machinery reliability programs for a specific type of equipment (i.e. compressors, pumps, fans, etc.).
- Leader and Specialist in Root Cause Analysis (RCA) for diverse problems.
- Advisor in the Condition Monitoring for Rotating Equipment, using Predictive Maintenance Techniques like (Vibration Analysis, Oil Lube Analysis, Endoscope Inspection, etc.).

Dates : From Jul. 2008 till Apr. 2010
Employer : Petrochemical Industrial Company (PIC), Kuwait
Job title : Area Maintenance Team Leader (UREA PLANT)
Job Description : Mechanical Maintenance Engineer (Arabi Eneritech Co.), responsible for:

- CO₂ Compressors (Nuovo Pignone (Reciprocating Compressor) and Hitachi Centrifugal Compressor).
- High Pressure Carbamate Pumps (Flowserve (Worthington previously) Plunger Pump and Ebara Centrifugal Pump).
- High Pressure Ammonia Pumps (Flowserve (Worthington previously) Plunger Pump and Ebara Centrifugal Pump).
- Granulation Equipments (High Capacity Blowers, Rotex Vibrating Screens (safety & Main Screen), Urea Crushers, Bucket Elevator, Conveyer Belt, Gear Boxes, Formaldehyde Dosing Pumps, ... etc.).
- Heat Exchangers (LP & HP Condensers, 4 Bar Absorber, Plate Heat Exchanger, Shell and Tube Heat Exchanger, ...etc.).
- Coordinate with operations on all work being performed in the area.
- Respond to emergency and urgent work requests.
- Revise work load distribution to address emergency and urgent work.
- Supervise the execution of the work.
- Review work permits.
- Conduct daily safety meetings with craft/Contract people.
- Evaluate craft performance.
- Account for contractor employee time.
- Respond to after hours calls.
- Work in close coordination with the planner on all emergency and urgent work when additional support is needed.
- Feedback work accomplished to the scheduler at the end of the day.
- Liaison between planning crafts people, reliability engineering and crafts people when job plans are not accurate or adequate.
- Record actual resource utilization in Maximo.
- Record observations such as fits, clearances, and key measurements in Maximo.

Dates : From Jan. 2008 till Apr. 2008
Employer : ALSTOM Power Service, KSA
Job title : Steam Turbine and Thermal Cycle Maintenance Engineer
Job Description : Responsible for steam turbine and thermal cycle annual turnaround in (Saudi Electricity Company) - Shoaiba Power Plant Annual inspection unit no. 1, 2, 3 & 4.

Dates : From Apr. 2007 till Dec. 2007
Employer : Suez Oil Company (SUOCO), Egypt
Job title : Mechanical Engineer Onshore & Offshore & Predictive Maintenance Engineer

Dates : From Jan. 2007 till Apr. 2007
Employer : ALSTOM Power Service, KSA
Job title : Steam Turbine and Thermal Cycle Maintenance Engineer

Job Description : Responsible for steam turbine and thermal cycle annual turnaround in (Saudi Electricity Company) - Rabigh Power Plant Annual inspection unit no. 1 & 4.

Dates : From Jul. 2006 till Jan. 2007

Employer : Suez Oil Company (SUOCO), Egypt

Job title : Mechanical Engineer Onshore & Offshore & Predictive Maintenance Engineer

Job Description :

- Condition Monitoring Engineer use the Available Tools to Replace the Preventive Maintenance Mode with the Predictive Maintenance Mode to Improve Equipment Reliability & Availability.
- Direct and Supervise the mechanical maintenance for Gas Turbine (GE frame 5 Thomassen Holland).
- Direct and Supervise the mechanical maintenance for Gas lift compressors (4 reciprocating compressors) (Dresser-Rand).
- Direct and Supervise the mechanical maintenance for Gas turbine fuel gas compressors (3 reciprocating compressors) (Thomassen).
- Direct and Supervise The mechanical maintenance for instrument air compressors (compair).
- Direct and Supervise the mechanical maintenance for multi effect flash desalination unit (esmil).
- Direct and Supervise the mechanical maintenance for R.O. desalination unit.
- Direct and Supervise the Activities of Rotating Machinery Crew in the Inspection Repair and P.M. of all Categories of Rotating Machinery.
- Direct and Supervise the Activities of Static Equipment Crew in the Inspection, Repair and P. M. of all Associated Static Equipment.
- Prepare Maintenance Work Instruction for Preventative Maintenance of Rotating Machines & Static Equipment.
- Prepare and Record Failure Analysis for the Equipment and Evaluate Mean Time Between Failures (MTBF) to improve Equipment Reliability.
- Prepare Risk Assessment for Rotating & Static Work (Repair & PM).
- Selection of Materials for the Units and Tools by means of Commercial and Technical Evaluation for the Received Offers.
- Preparation of the Spares, Material Requisitions and Proposals.
- Prepare Action Plan and Scope of Work for different Equipment.
- Follow up the Safety Rules and Work Permit System for the different Jobs.
- Follow up both Onshore and Offshore Activities, Maintenance, Repair and Overhaul.

Dates : From Mar. 2006 till Jun. 2006

Project : Shoubra El-Kheima Power Station 4x315MW

Job title : Steam Turbine Maintenance Engineer & Predictive Maintenance Engineer

Job Description :

- Predictive Maintenance Engineer:
 - Vibration Monitoring and Diagnostic.
 - Failure Analyses.
 - Balancing for Rotary Machine.
- Maintenance Engineer for:
 - Main Turbine Overhaul 315MW.

- Boiler Feed Pumps (240 Bar, 700 Ton/Hr, 7 Stages).
- Heat Exchangers.
- Valves.
- Horizontal Pumps.
- Positive Displacement Pumps (Sliding Vane Pumps, Screw Pumps).
- Vertical Pumps (Allis Chalmers - Goulds).
- Air Compressors (Centrifugal & Reciprocating Compressor).

Dates : From Aug. 2005 till Mar. 2006
Employer : Dubai Electricity and Water Authority (DEWA), UAE
Job title : Mechanical Maintenance Engineer
Job Description :

- Combined Cycle Steam Turbine.
- Recirculation Pumps for Heat Recovery Steam Generator (HRSG).
- Recirculation Pumps for West Heat Boiler (WHB).
- Caustic Dosing Pumps.
- Hydrazine Dosing Pumps.
- Phosphate Dosing Pumps.
- Multi Stage Boiler Feed Water Pumps.
- Single Stage Feed Water Pumps.
- Reciprocating Air Compressors.
- Valves (Manual, Motorized and Pneumatic).

Dates : From Jan. 2005 till Jul. 2005
Employer : Burullus Gas Company
Project : Simian / Sienna & Sapphire Project
Job title : Mechanical Commissioning Engineer
Job Description :

- Testing (Hydrostatic Test, Flushing by Air, Leak Test by Air (GLT), Pressurized Leak Test by Nitrogen & Purging).
- Commissioning (Pipelines, Valves, Pumps, Filters, Gas Compressor, Gas Turbine, Heat Exchangers, Storage Tanks).
- Corrective Maintenance before Start-up.
- Start-up the Project.

Dates : From Jan. 2001 till Dec. 2004
Project : Shoubra El-Kheima Power Station 4x315MW
Job title : Steam Turbine Maintenance Engineer & Predictive Maintenance Engineer
Job Description :

- Predictive Maintenance Engineer:
 - Vibration Monitoring and Diagnostic.
 - Failure Analyses.
 - Balancing for Rotary Machine.
- Maintenance Engineer for:
 - Main Turbine Overhaul 315MW.
 - Boiler Feed Pumps (240 Bar, 700 Ton/Hr, 7 Stages).
 - Heat Exchangers.
 - Valves.
 - Horizontal Pumps.
 - Positive Displacement Pumps (Sliding Vane Pumps, Screw Pumps).

- Vertical Pumps (Allis Chalmers - Goulds).
- Air Compressors (Centrifugal & Reciprocating Compressor).

Dates : From Jun. 1999 till Nov. 2000
Employer : International Business Corporation (IBC), Egypt
Job title : Production Engineer for Refrigeration Boxes
Job Description : Responsible for Design and Production the Refrigeration Boxes.

Dates : From Oct. 1998 till May 1999
Employer : Comag, Egypt
Job title : Mechanical Engineer for Water and Fire Proofing
Job Description :

- Water Proofing for Water Treatment Concrete Tanks.
- Fire Proofing for Pipe Rack Steel Structure.

Field of experience :

- Experienced Mechanical Engineer with extensive management skills.
- Successfully managed a predictive maintenance department in great power station in Egypt and successfully Dynamic Balancing for: four steam turbine 315MW, one steam turbine 30MW, twelve Boiler Feed Pumps 240 Bar, 700 Ton / Hr, 5500 Rpm).
- Successfully managed an annual maintenance repair and inspection outages on many units 315MW steam turbines in Egypt and two 260MW, four 400MW steam turbines with ALSTOM Power Service with a contract value of \$ 2 million.
- Successfully managed an Area Maintenance Team Leader and turnaround for Rotating Equipments in Petrochemical industrial company (PIC) in Kuwait.
- Senior Reliability Engineer for Rotating Equipment in Petrochemical industrial company (PIC) in Kuwait.
- Successfully managed Training Courses for Engineers and Technicians.
- Expert for Ingersoll Rand (Cameron) (multi-stage geared) Air Compressor (112000 NM³/Hr. – 11400 KW) Major overhaul.
- Expert for Siemens Integrally Geared Centrifugal Gas Compressor Major overhaul.
- General Knowledge for Polypropylene Plant Such as {Bagging machine (WINDMOLLERS), Palletizer (MOLLERS), Stretch holders (MOLLERS), Transport and warehouse conveyors.
- Rotating Equipments:
 - Major Overhauls for High Capacity Steam Turbine Units (Westinghouse).
 - Major Overhauls for High Pressure Multi Stage Centrifugal Pump (Transamerica Delaval, Allis Chalmers, Ebara, Sulzer, Goulds Pump, etc.).
 - Major Overhauls for High Capacity Reciprocating Gas Compressors (Dresser-Rand, Nuovo Pignone).
 - Major Overhauls for High Capacity Chilling Unit Screw Compressor (MyCom Screw Compressor).
 - Major Overhauls for Instrument Air Compressors (Reciprocating Compressors (Siad, Compair), Centrifugal Compressors (Ingersoll Rand Centac), Screw Compressor (Atlas Copco)).
 - Positive Displacement Pumps (Sliding Vane Pumps, Screw

Pumps).

- Static Equipments:
 - Heat Exchangers (Plate Heat Exchangers, Shell and Tube, Open Type (Deaerator)).
 - Valves (High Pressure Steam Valves (Isolation and Control Valves), High Capacity Control Valves (Ball, Butterfly, Piston valve, Globe Valve, etc.)).
- Predictive Maintenance:
 - Dynamic Field Balancing for:
 - Main Turbine 315MW (Shoubra El-Kheima Power Station).
 - Main Turbine 30MW (Seufe Power Station).
 - Main Turbine 30MW (Matrouh Power Station).
 - Boiler Feed Pumps (240 Bar, 700 Ton / Hr, 5500 Rpm).
- Training Programs:
 - Establishing Training Programs for Engineers and Technicians (Alignment by (Dial Indicator, Laser Alignment Machine), Vibration Measurement, Balancing for Rotating Machines, Corrective Maintenance (CM), Preventive Maintenance (PM), Predictive Maintenance (PDM), Turbine Maintenance, Compressor Maintenance, Pump Maintenance, Valve Maintenance and Heat Exchangers Maintenance).