

Holds a B. Sc. in Mechanical Engineering and has over 16 years hands-on experience working in maintenance, operation, commissioning and start-up at several industrial projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 19/06/1977
Gender : Male
Marital Status : Married
Residence : Currently Dubai, UAE

EDUCATION

: B. Sc. in Mechanical Engineering, Higher Technological Institute – 10th of Ramadan, 2000

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

: Vibration course LEVEL II (NATCOM).
: Comprehensive Bearing Maintenance (SKF).
: Emergency response team.
: Olympus bore scope.
: GE bore scope.
: CARL STORZ bore scope.
: Actions Employees Can Take (AECT), Du Pont (Mar. 2007).
: Automatic Control, PLC, S.7 (Ain Shams University) (Sep. 2005).
: Customer Service, American Chamber (Mar. 2005).
: Hydraulic System, Ain Shams University (Oct. 2004).
: Turbotronic 4 Field Principles (TT4), Belgium.
: Turbotronic 4 Field Programming, Belgium.
: Basic H2S training, UAE.

- : BASIC OFFSHORE SAFETY INDUCTION & EMERGENCY TRAINING (BOSIET) (UAE).
- : RSLogix 5000 Control system for Siemens SGT-400 (Siemens UK).
- : PGT25+ Gas Turbine Operation and maintenance (GE Italy).
- : GE Centrifugal Compressor (GE Italy).
- : Siemens power generation SGT-300 Operation and maintenance (Siemens UK).
- : PCS7 control system for Siemens SGT-300 (Siemens UK).
- : Mark VIe Speed Tronic (GE Italy).
- : Boiler maintenance training at El-Badrashin for Oil Soap (from May till Aug. 1999).
- : Boeing aeroplanes maintenance training at Egypt Air (from May till Aug. 1998).
- : Training in Diesel Generator, Fire Fighting Pump & Air Compressor at Schlumberger of Petroleum Co. (from May till Aug. 1997).
- : Training in Central Air-Conditioner Maintenance & Movement of Hall Belt at Cairo Airport (from May till Aug. 1996).
- : Training in Production Line Maintenance at PimPim for Food Products (from Jan. till Mar. 1995).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2011 till now
- Employer** : SOLAR Turbines Europe (UAE)
- Job title** : FSR (Field Service Engineer)
- Job Description** :
- Working in commissioning and start-up procedures for different types of Solar turbines products (Compressor and generator set).
 - Exchange Dry Gas Seal for different compressor sizes.
 - Re bundle for different types of Solar Compressors. Bore scope inspection for all accesses parts of the unit. Testing and commissioning the fire and gas system devices.
 - VFD configuration and set the permeates as the engine designed.
 - Modify and add in software of the units (alarm signal, S/D signal, DI, DO.....etc.). Modify and add HMI function and configure the modification.
 - Testing and commissioning the fuel system. Engine exchange and change the gear box.
 - Participate in projects (lube oil flushing, alignment, lifting and rigging, balancing, etc...) and electrical such as fire and Gas loop checks, live loop checks for transmitters and sensing switches calibration, etc...).
 - Check the CT's and PT's for generator and reviewing the PMG wiring.
 - Carried out all the generator tests and load test.
 - Organize and plan for the work flow and identify the responsibilities.
 - Assembled and dissembled all the package parts.
 - Carried out water wash activities.
 - User for the RSLogix control system.
 - Downloaded the software and running the RSNTworx.
 - Trouble shooting for mechanical and control problems.

- Configured all types of the Simplicity HMI's.
- Working in the retrofit the control system.
- Installation, leveling, pre alignment and alignment for the package.
- Testing the lube oil pumps.
- Testing and applied the performance procedures for the compressor and the Generator.
- Configured the battery charger.
- Witness on the lube oil flushing.
- Fuel valves leak testing.
- Generate the work flow reports.

Dates	:	From Jun. 2005 till Nov. 2011
Employer	:	Rashid Petroleum Co. (RASPETCO-BG)
Job title	:	Turbo Machinery Section Head
Job Description	:	<ul style="list-style-type: none"> • Working on gas turbine: <ul style="list-style-type: none"> - Nuovo Pignone. - Solar (Power Generation-Compression). - Siemens (Power Generation-Booster Compressor). • Semiannual and annual planned maintenance for all units. • Bore scope inspection for Solar, Siemens and Nuovo Pignone Turbines. • Work on the Simplicity HMI (Human Machine Interface) software Viewer and Designer for GE Gas Turbine Engines. • Operation, maintenance and troubleshooting for Centaur 40 model Solar Gas Turbine (Turbine-Generator set), with TT4000 HMI Viewer, and PLC Allen Bradley RsLogix 5000. • Operation, maintenance and troubleshooting for MARS 90 model Solar Gas Turbine (Turbine-Compressor set-C406), with TT4000 HMI Viewer, and PLC Allen Bradley RsLogix 5000. • Review and read all P&IDs of all units. • Operation, maintenance, troubleshooting for Siemens (Alstom) SGT-100-1S DLE (Dry Low Emission) Gas Turbine Generator Set, with AB RsLogix 5000. • Adequate Experience in Centrifugal compressors operation and performance map, anti-surge protection system Good Experience in Centrifugal compressors operation and performance map, anti-surge protection system • Operation, maintenance, troubleshooting for GE Nuovo Pignone PGT-10 A With DLN (Dry Low NOX) Gas turbine, Drive for Centrifugal Compressor (RB6B) Thermodyn as a process gas compressor. • Work with Mark VI and VI e microprocessor based Control System Toolbox software, and Hardware Major overhaul for GE Nuovo Pignone. • Troubles shoot and repair for all units. • Gas turbines controls and software (Speedtronic and MARK VI, VIe). • Anti-Surge testing and compressor operation. • Achieve the planned maintenance (weekly, monthly, semiannual, annual, combustion inspection, hot gas path and major overhaul). • Material requisition issuing for spares and special tools for all kind of maintenance and also for the operation spares. • Review all technical and commercial offers.

- Assist all department members and discuss with them annual performance.
- Nominate the employees for technical training based on their skills.
- Discuss scope and plan of work with vendors and contractors before the job.
- Prepare the Annual Appraisal for department employees.
- Improve the reliability of units by following the maintenance plan for each.
- Organize and plan for the work flow and identify the responsibilities.
- Participate at Risk assessment.
- Implement the PTW (permit to work system) requirements and papers, issuing the permit, prepare the Risk Assessments, Electrical and mechanical isolation certificates, protective system isolation certificate, etc.
- Order the materials required for the periodic maintenance, and corrective maintenance and adjust the min max required for operational spare parts.
- Material offers and tender evaluation according to the technical evaluation and best pricing.
- Bore scope inspection for all units.
- User Snapshot vibration analyzer.
- Setting reports on work flow.
- Participate in the HAZOP study.
- Assignment plan for the team members.
- Receive the work order from planning department accompanied with work procedures to achieve the job successfully, submit customer receiving signatures to planning to close the issued order.
- Global Maintenance Solution (GMS) user.
- Major jobs achieved:
 - Working in commissioning and start-up procedures for Siemens Gas Turbine DLE 8MW at site conditions SGT-300 Cyclone, Drive for power generator, including punch list items and site queries issuing, carried out turbine performance test at start-up.
 - Performed Solar Turbine Control System Retrofit from PLC-5/40C and TT2000 Viewer to RsLogix 5000 L5561 Allen Bradley with TT4000 HMI software viewer for 2 Units Performed RGB (reduction gear box) exchange for solar gas turbine centaur-40.
 - Carried out Bore scope inspection for Solar centrifugal compressor C406.
 - Carried out wash inspection for centrifugal compressor C406.
 - Performed GE - Nuovo Pignone gas Turbine (PGT10/A2) Control System Retrofit from MARK VI with MARK VIe HMI software viewer for 2 Units.
 - Working in commissioning and start-up procedures for GE Gas Turbine 13MW at site conditions LM 25+, Drive for mechanical Centrifugal compressor, including punch list items and site queries issuing, carried out turbine and compressor performance test at startup, carried out anti-surge controller test and other site commissioning activities.
 - Participate in projects (lube oil flushing, alignment, lifting and rigging, balancing, etc...) and electrical such as fire and Gas loop checks, live loop checks for transmitters and sensing switches calibration, etc...).

- Working in commissioning and start-up procedures for Siemens Gas Turbine DLE 10MW at site conditions SGT-400-2S Cyclone, Drive for mechanical Centrifugal compressor, including punch list items and site queries issuing, carried out turbine and compressor performance test at startup, carried out anti- surge controller test and other site commissioning activities.
- Change Engine of Solar gas turbine Centure 40.
- Change blade of GG for Siemens gas turbine SGT-400 booster compressor.
- Engine change for Siemens gas turbine SGT-400 booster compressor.
- Power turbine change for Siemens gas turbine SGT-400 booster compressor.
- Carried out trim balance for Siemens gas turbine PT shaft of SGT-400 booster compressor.
- Carried out trim balance for Siemens gas turbine GG of SGT-400 booster compressor.
- An inspection for Siemens gas turbine SGT-400 booster compressor.
- Change bundle for Siemens compressor of SGT-400.
- Major overhaul for Solar power generation gas turbine.
- Carried out exchange reduction gear box for Solar gas turbine.
- Bundle change for Thermodyne compressor (RB6B and RB6-2B) and vice versa.
- Inspection A, B and C for Siemens gas turbine SGT-100.
- Combustion inspection and NDT of the combustion linear for GE Nuovo Pignone PGT10/A.
- Calibrate and Adjust Pressure, Temperature, level Transmitters, Position Transmitters (LVDT), I/P Converter, RTD's, Thermocouples, Vibration and speed probes, etc.
- Calibrate the Wood Ward DLN system of GE - Nuovo Pignone PGT10/A2.
- Hot gas path for GE Nouvo Pignone.
- Major overhaul for GE Nuovo Pignone.
- Major overhaul for BHS gear box of Nuovo Pignone - PGT 10.
- Good knowledge of mechanical pump types and pump classification and its applications.

Dates : From Feb. 2001 till Jun. 2005

Employer : PICO Industrial Services

Job title : Mechanical Engineer

Job Description :

- Member in the selecting a new equipment for the projects.
- Service and parts team leader (10th of Ramadan zone) for rotary screw and centrifugal air compressors.
- Working in commissioning and start-up procedures for air compressors range.
- Trainer, start-up and commissioning for special products and rotary screw compressor.
- Disassembly, assembly and overhauling heat exchanger.
- Carried out major overhaul for air compressors.
- Carried out maintenance and trouble shooting for all air dryers types.
- Technical support for sales department.

- Responsible for parts a large proposal deals.
- Follow up all customers need (parts and service).
- Preparing Annual and Monthly income plan.
- Preparing Monthly visit schedule plan.
- Following up the plan & solve any problems may interrupt it.
- Having the full ability of controlling the workers manners.
- Improving the worker's productivity rate by creating a harmonic team work.
- Maintenance and carrying out repairs of all machinery and equipments in factories and petroleum corporations.
- Overhaul maintenance of machines.
- Detection and correction of breakdowns.
- Setting reports on work flow.
- Holding meetings with my team members setting plans for future work.