

**100495-ELE-1MO-E-2007**  
**Operation & Maintenance Manager**

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 15 years' experience in operation and maintenance of Diesel and Gas Engine in Power Station.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 03/08/1985  
Gender : Male  
Marital Status : Married  
Residence : Hurghada, Red Sea

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Mansoura University, 2007

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: SIMATIC manager step 7  
: SFT 2841 (Schneider program)  
: SAP logon 740  
: DrivePM\_1\_4  
: Vamp set

## TRAINING COURSES AND CERTIFICATIONS

: Wartsila 32 Engine training course.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Oct. 2022 till now  
**Employer** : MIKANO INTERNATIONAL LTD  
**Project** : Jotna Power Station, Nigeria  
**Job title** : Operation & Maintenance Manager

**Job Description** : 

- Responsible for operation and maintenance power station include gas engine MWM 2032 (4x4.3MW), Diesel engine YORC 0033CV61 (5x2MW), genset control system (TEM-EVO SYSTEM and PLC SIEMENS (S300 & ET200S), Comap InreliGen 500 control system engine instrumentation (pressure, temperature, level, speed, knocking, limit switch), engine auxiliary (HT pump, LT pump, radiator fan, frequency converter (ABB) and UPS (ABB).
- Coordinate scheduling of all routine electrical and mechanical maintenance work and operation shift.
- Diagnose the electrical problem, Lead trouble shooting process replace or repair parts.
- Maintenance MV switch gear (Schneider (SF6C.B 11KV), LV auxiliary panel (air C.B 2000A) 24VDC & 110VDC Battery and charger panel, neutral earthing resistor panel and UPS.
- Dealing with firefighting system, fire alarm detector and fire alarm addressable panel.
- Following up the availability of required mechanical and electrical spare part and tools.

**Dates** : From May 2018 till Sep. 2022  
**Employer** : UNION CEMENT  
**Project** : Union Cement Power Station, YEMEN  
**Job title** : Team Leader Electrical Engineer

**Job Description** : 

- Responsible for maintenance power station include diesel engine Wartsila W18V32 (4x8MW), genset control system (Wios and Wise system and PLC Schneider (modicon quantum), engine instrumentation (pressure, temperature, level, speed, knocking, limit switch), engine auxiliary (feeder unit, pump motor, radiator fan, frequency converter (vacon) and UPS (ABB).
- Coordinate scheduling of all routine maintenance work and diagnose the electrical problem, lead trouble shooting process replace or repair parts, test and make adjustment when required.
- Configuration protection device (SIPROTEC 4 7SJ62) for medium voltage switchgear C.B (6.6KV) Engine Protection device (vamp 210, 260, 265, 140), 24VDC & 110VDC Battery and charger panel.
- Maintenance MV switch gear (ABB), LV auxiliary panel (air C.B 2500A).
- Dealing with firefighting system, fire alarm detector and fire alarm addressable panel.
- Following up the availability of required electrical spare part and tools.

**Dates** : From Jul. 2012 till May 2018  
**Employer** : TAQA Arabia  
**Project** : E-STYRENICS Project  
**Job title** : Senior Operation & Maintenance Engineer

**Job Description** : 

- Responsible for operation and maintenance power station include gas engine MWM 2032 V16 & 12 (2x4.3MW & 1x3.3MW) which connect to national grid, genset control system (TEM-EVO SYSTEM and PLC SIEMENS (S300 & ET200S), engine instrumentation (pressure, temperature, level, speed, knocking limit switch), engine auxiliary (gas

unit, pump motor, radiator fan, frequency converter (ABB)).

- Configuration protection device (sepam 20, 40, 80) for medium voltage switch gear C.B (11KV) Engine Protection device (semap ECG), grid protection device (KNAE) and synchronizing device (KSY).
- Maintenance MV switch gear (Schneider (MC SET vacuum C.B 11KV), LV auxiliary panel (air C.B 2000A) 24VDC & 110VDC Battery and charger panel, neutral earthing resistor panel and UPS.
- Dealing with firefighting system, fire alarm detector and fire alarm addressable panel.
- Preparing daily progress reports, monthly reports and work order reports.

**Dates** : From Nov. 2011 till Jul. 2012  
**Employer** : KAHRABA  
**Project** : Borg Arab Power Station, Alexandria  
**Job title** : Operation & Maintenance Engineer  
**Job Description** :

- Operation and maintenance power station include gas engine Wartsila W16V34SG (2x7MW & 2x4MW), genset control system (wios and wise system and PLC SIEMENS (S300 & signal modules), engine instrumentation (pressure, temperature, level, speed, knocking, limit switch), engine auxiliary (gas unit, pump motor, radiator fan, frequency converter (vacon) and UPS (ABB).
- Configuration protection device (sepam 20, 40, 80) for medium voltage switch gear C.B (11KV) Engine Protection device (vamp 210, 260, 265, 140), 24VDC & 110VDC Battery and charger panel.
- Maintenance MV switchgear (Schneider), LV auxiliary panel (air C.B 2500A).
- Dealing with firefighting system, fire alarm detector and fire alarm addressable panel.
- Preparing daily progress reports, monthly reports and work order reports.

**Dates** : From Jan. 2008 till Nov. 2011  
**Employer** : KHARAFI NATIONAL  
**Project** : Port Galab Power Station, Red Sea  
**Job title** : Operation & Maintenance Engineer  
**Job Description** :

- Operation and maintenance power station include Diesel Engine (4x3.4MW "MAN") (2x8MW Wartsila) genset control system (using DCS (ABB) and PLC (Schneider) Control system engine instrumentation (pressure, temperature, level, speed, knocking, limit switch), engine auxiliary (gas unit, pump motor, radiator fan, frequency converter (vacon) and UPS.
- Configuration protection device (REF, REM (541, 543)) for medium voltage switch gear C.B (11KV) Engine Protection device (vamp 210, 260, 265, 140), 24VDC & 110VDC Battery and charger panel.
- Maintenance MV switch gear (SF6 C.B (ABB), LV auxiliary panel (air C.B 2500A).
- Dealing with firefighting system and fire alarm detector and fire alarm addressable panel.
- Preparing daily progress reports, monthly reports and work order reports.

- Field of experience :**
- Comprehensive and sound knowledge of Operation and Maintenance of power plant such as Diesel & Gas Engine (Wartsila, Man, Deutz, MWM, Yorc), Genset control panel, instrumentation device, MV Transformers, switch gear, protection device, low voltage panel, DC system, VFD and UPS.
  - Diagnose the electrical problem, lead trouble shooting, test and make adjustment when required.
  - Coordinate scheduling of all routine maintenance works and preform the electrical related preventive and corrective maintenance task for the plant equipment by using SAP logon program.
  - Following up the availability of required electrical spare part, tool and consumable.
  - Capability of preparing different kinds of reports KPI's.