 ***Saber Abdelaal* (Technical Training Advisor, Electrical Maintenance)**

**Personal details**

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| Name | **SABER MOHAMED ABD ELAAL MOHAMED** |
| Date of Birth | June 6th, 1976 |
| Nationality ,current location | Egyptian , Egypt |
| Contacts | Cell Phone +964 7845893483 , +201123717453  : saberaal : 00201123717453 saber-abdelaal  E-mail : [sabmr@hotmail.com](mailto:sabmr@hotmail.com) ,  [saber.abdelaal@majnoon-ifms.com](mailto:saber.abdelaal@majnoon-ifms.com) |
| **Educational/Qualification**  **- B. Sc. in Electrical Engineering Power, Faculty of Engineering, Suez Canal University. Egypt**  **Grade: Very Good. Project Grade: excellent. 1999.**  **- Twenty Four (24) Years practical experience in Electrical Installation, commissioning, and maintenance in OIL &GAS Fields**  **- 18 year experiences in Electrical Engineering Competency Training (Class Room & OJT)and online training in Middle east countries**  **- Experiences Summery**   * **NEBOSH Certified** * **Energy Management Diploma** * **AIPS Certified Professional Electrical Trainer** * **TOT certified** * **CMMS ,RCM , PTW** * **Oil & gas Off shore maintenance activities** * **Supervise on site work activities.** * **Supervise workshop daily activities** * **UPS , VFDs maintenance and troubleshooting** * **Emergency D.G. installation, Maintenance and troubleshooting (CAT. fiat, Cummins)** * **Gas turbo generators maintenance and troubleshooting** * **Gas Plant Shutdown activities planning** | | |
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**Work Experience:**

1. **Current Employer**

 **ANTON OIL SERVICE (AOS)**

**(MAJNOON OIL FIELD -BOC COMPANY) –IRAQ**

**Technical Training Advisor (Electrical)** at Majnoon oil field Basra Oil Company –Iraq with the following duties: -

* Participate in the planning, development, strategy, implementation and assessment of training programs
* Follow up the performance of the training providers in Majnoon Oil field learning center MLC and mentor their assignment targets
* Facilitate training by the selection and development of materials ,Curriculumand methods appropriate to trainees needs based on the field systems and equipment
* Provide exemplary levels of electrical engineering skills for a wide range of tasks. to aid trainee’s development
* Follow up and Conduct a class room training, and tutorials using teaching methods and materials for specific electrical equipment
* Follow up and Carry out the On Job Training (OJT) for Iraqi electrical engineers & technicians according to competency based (CBT) and personal development plan
* Assessment and Review of trainees performance against agreed action plans
* Reporting progress and the KPI data and assist in the mapping / re-mapping of Qualifications as directed by Line Manager.

1. **Previous Employer**

** Belayem Petroleum Company (PETROBEL) –Egypt**

**one of the Major Oil and Gas Producer in Egypt of oil and gas in different sites in Egypt (EGPC &ENI)**

**Electrical Maintenance Manager** and **Technical Training Advisor** at Nile Delta Gas Field Petrobel Company –Egypt

With the following activities:-

* Adhere to existing working practices, methods, procedures, undertake relevant training and development activities and to respond positively to new and alternative systems
* Adhere to company policies and procedures including those relating to Health & Safety and technical standards
* Ensure quality and accuracy and completeness of work activities
* Coordinates activities by scheduling work assignments, setting priorities, and directing the work of subordinate employees
* Forecasting annual budget requirements   for the electrical systems and manage contracts and other activities. And Preparing the Requisitions supplies, materials,
* Manage and facilitate all interfaces between electrical section and other disciplines within company and contractors.
* Develops and documents preventative and reactive maintenance procedures, and ensures all personnel are trained in their safe and proper activities execution
* Technical Training needs analysis (TNA ) and evaluate training providers offers
* Facilitates technical training seasons theoretical and practical for the junior electrical engineers and electrician
* Deliver the training of the new projects / equipment's for field engineers and technicians within the company different fields
* Maintenance scheduling, planning and execution supervision for Plant electrical equipment
* Gas turbine turbo-generators control system operation , and troubleshooting for the control and protection system (mark-6 and GE60)

**Projects and Commissioning**

Participate in commissioning and start up for the following projects: -

1- (PETROBEL) BALTIM east onshore platform waste water treatment station 2003

2- (UGDC) united gas derivative company at Port Said, Dimmita (part time through emc) 2004

3- (PETROBEL) BALTIM north offshore gas production platform 2006

4- (RASHPITCO) new gas compression plant project (part time through petromaint) 2008

5-(PETROBEL) new turbo –compressor switchgear & ups 2009

6-(PETROBEL) power generation gas turbine control revamping to mark-vi and witness the FAT at nuovo pignone Florence -Italy (2010)

7-(PETROBEL) power generation PMS (power management system) and witness the FAT

at ABB Cairo-Egypt (2011)

8- (PETROBEL) NOROUS GAS PROJECTS 2016

9- (PETROBEL) BALTIM EAST WEST offshore gas production platform 2018

10- (PETROBEL) protection relays upgrading project 2021

1. **Training delivering Experiences**
2. **From June 2012 till march 2015**

Description: Oxy Logo **Occidental petroleum Corporation**

**OXY COMPANY- sultanate of Oman-UEPS Dubai**

**Senior Electrical Instructor and OJT "On Job Trainer**" in OXY OMAN COMPANY Oman north (safa /wadilaithm and mukhaizna ) **Oil & Gas Field** through united eastern petroleum service company UEPS (competency training project- CETP certified Electrical Training Program Accredited from SQA )

With the following activities:-

* Conduct class room training , and tutorials using teaching methods and materials And Carry out the on job training(OJT) for Omani electrical engineers and technicians according to competency based (CBT) and personal development plan (PDP) under supervision from SQA (Scottish qualification authority )
* Facilitate training by the selection and development of materials ,Curriculumand methods appropriate to trainees needs
* Execute laboratory experiments using **LAB-VOLT simulator**
* Dedicate my experience in on job training in the field electrical equipment
* Providing exemplary levels of electrical engineering skills for a wide range of tasks. to aid trainee’s development and achieve the VQ’s they require to advance through their training (i.e. : **SQA , job related higher certificates** )
* Assessment and Review of trainees performance against agreed action plans
* Provide trainees with guidance to support their learning and enhance their knowledge and progress within the constraints of assessment confidentiality.
* Maintain accurate training records, registers and timetables
* Prepare, mark and grade assignment material and examination questions as required to support trainees feedback and progress.
* Establish and maintain good working relations with all personalities involved in the training and development of allocated trainees
* Reporting progress and the KPI data and assist in the mapping / re-mapping of Qualifications as directed by Line Manager.

**During the project the following training course were covered:**

* Electricity and electrical circuit fundamentals
* electrical hazard and safety precautions
* Power generation and generators operation and maintenance
* electrical drawing and schematic diagrams
* Power & instruments transformers construction ,operation ,maintenance
* maintenance and maintenance planning for electrical equipment
* commissioning and start up for electrical equipment and control systems
* safe operation and maintenance of elec. equipment in hazard area
* Hazard area classification (NEC,IEC,ATEX)
* Safely selection ,installation & ,maintenance , of electrical equipment in oil and gas fields
* motors selection maintenance and protection & control circuit troubleshooting
* Power cable construction ,testing ,repairing
* UPS and DC system operation and maintenance
* Compressed air system
* Diesel power generators packages maintenance and troubleshooting
* Gas treatment process (Dehydration ,stabilization and compression ) auxiliary electrical equipment
* VFDs theory of operation and maintenance producers
* Electrical protection system and protection relays
* Switchgear and circuit breakers maintenance
* Practical troubleshooting session for different motor control circuits
* LOTO procedure training

**A part verification for all delivered training course were done using the following criteria:**

* Multi choice written test in class room training
* Hazard free experiments performance using the lab volt simulator
* Specific Job task carry out in the filed according to Maintenance planning and operation approval

**b) Training Delivering as Freelance Electrical Instructor**

Conducted multiple electrical engineering training courses as Freelance Electrical instructor in many Companies in different middle east countries

Currently delivering online training course due to Covid-19: -

**Some of training courses recently conducted**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No** | **Course Title** | **Course duration (days)** | **Remarks** |
| 1 | Safe selection , maintenance ,operation and troubleshooting of electrical equipment | **5** | Public course Tag – Egypt |
| 2 | Commissioning of Electrical equipment and control system | **5** | Public course DEWA –UAE |
| 3 | Electrical hazard and safety | **3** | In House OXY Oman |
| 4 | Power system protection | **5** | Public and In house for , UAE |
| 5 | Generator operation ,maintenance and troubleshooting | **5** | Public course DEWA –UAE |
| 6 | Power distribution system | **5** | In house (KJO ) KSA |
| 7 | Motor control and protection system | **4** | In house (KJO ) KSA |
| 8 | Electrical hazards and safety precautions  HV safety | **4** | In house (KOC ) Kuwait |
| 9 | Electrical equipment (generators, motors ,transformers ,….)selection maintenance and troubleshooting | **5** | In House OXY Oman |
| 10 | Power generation fundamental | **5** | In House OXY Oman |
| 11 | Power generation advanced | **5** | In House OXY Oman |
| 12 | Safe operation , maintenance and troubleshooting of circuit breakers and switchgears | **4** | In house (KJO ) KSA |
| 13 | Electrical engineering Basic | **5** | In house Petrobel Egypt |
| 14 | LV installation (mcc , protection , cables ….) | **4** | In House Osborne eng. –UAE |
| 15 | Practical course for motor control circuits | **5** | In House Osborne eng. –UAE |
| 16 | Electrical motor maintenance and troubleshooting | **4** | In house (KOC ) Kuwait |
| 17 | UPS and battery charger operation and maintenance | **5** | In house Petrobel Egypt |
| 18 | Electrical protection | **5** | Public course sahara petrochemical- KSA |
| 19 | Transformer operation and troubleshooting | **5** | In house Petrobel Egypt |
| 20 | Medium & high voltage switchgear (Circuit Breaker )operation and maintenance | **5** | Public course Malaysia |
| 21 | Practical troubleshooting of electrical equipment and control circuit | **3** | Public course DEWA UAE |
| 22 | Electrical Hazards , Energy isolation standards | **4** | Public course DEWA UAE |
| 23 | Modern & Advanced Power System Protective Relaying & Relay Testing | **5** | Public course dolphin energy –UAE |
| 24 | Electrical Drawing Reading & Interpreting | **5** | Public course Transco –UAE |
| 25 | Faults Finding Techniques in electrical power system | **5** | Public course Transco –UAE |
| 26 | MV Motors , speed Driver and Generator | **5** | In-house ADNOC-UAE |
| 27 | Energy Management System approaches | **3** | In-house ADNOC-UAE |
| 28 | HV Electrical Safety | **4** | In-house ADNOC sour gas –UAE |
| 29 | Electrical systems design , commissioning and start up | **5** | Public course Transco –UAE |
| 30 | Circuit breaker and switchgear | **4** | Next Schlumberger co. Oman |
| 31 | Protection Relays | **2** | KNPC – Kuwait |
| 32 | Advanced Electrical Safety (May-2021) | **5** | Qatar Petroleum ( QP- Online ) |
| 33 | HV Electrical Safety (July-2021) | **4** | ADNOC sour gas (Online) |
| 34 | Electrical Motors & MCC Panels Maintenance and Troubleshooting Practical –November-2021 | **3** | Oman Cement co. OCC (Online) |
| 35 | Grounding system design operation and maintenance –January 2022 | **5** | KNPC –Online |
| 36 | Advanced Electrical Safety – Feb.2022 | **5** | Qatar Energy Co. (Online) |
| 37 | HV ,LV network fundamentals | **5** | TPO Oman ( online) |
| 38 | Advanced HV Electrical Protection | **5** | Oman Cement Company |
| 39 | LVMV/HV switchgear Maintenance and troubleshooting | **5** | SABIC-KSA |
| 40 | Electrical Protection | **5** | SABIC-KSA |
| 41 | Technical Drawing | **3** | KPTC -Kuwait |
| 42 | Electrical Drawing, wiring Reading and interpreting | **5** | SABIC-KSA |
| 43 | Autonomous Electrical Maintenance technology | **5** | Yamama cement – KSA |
| 44 | Energy Storage ( Batteries & DC Panel ) Testing, maintenance ,inspection | **5** | Yamama cement – KSA |
| 45 | Electrical Protection System | **5** | SABIC –KSA |

**3- August 2001-Till June 2012** **BELAYIEM PETROLEUM COMPANY, AGIP (ENI) ITALY AS A SHARE HOLDER one of the Major Oil and Gas Producer in Egypt with production of 550000 equivalent barrel oil per day of oil and gas in different sites in Egypt**

Electrical Site Engineer for gas Fields as follows: At (ABU Madi - Nile delta fields) ONSHORE & OFFSHORE PLATFORM at Mediterranean Sea and promoted in the following positions:

**:** From 2001 TILL 2003: electrical maintenance engineer

**:** From 2003 till 2006 : senior electrical maintenance engineer , electrical job trainer

**:** From 2006 till 2009: power station section head and senior OJT

**:**From 2009 till 2012: electrical maintenance department manager .OJT & training coordinator

**Duties:**

1. Provides support to multi-discipline engineering team in Conceptual Studies,.
2. Prepares and develops scope of work for Engineering Consultants for all Electrical works and projects.
3. Prepare daily,weekly,and monthly maintenance activities reports
4. Prepares material requisitions for equipment / material according to annual budget.
5. Participates in site surveys of facilities to establish and identify the actual requirements.
6. Participates in HAZOP / HAZAN, and other HSE related design reviews and audits.
7. OJT (on job trainer) Avails guided access to technical engineering knowledge and training

aspects for junior electrical engineers, technicians

1. Witnesses performance tests and FAT on technical equipment for acceptance or rejection based on company requirements, specifications and standard.
2. Participates in commissioning of systems as required.
3. Evaluate Power adequacy and recommend solution in case more power is required.
4. Carry out studies to optimize power demand in all plants.
5. Provide a Technical support for the Selection of electrical equipment such as (Transformer, HV/LV switchgears, UPS, motors, etc.)
6. Enhance electrical equipment performance and recommend modification / change of these equipment/systems using new technology.
7. On /off shore electrical maintenance activities
8. Supervise workshop daily activities
9. **CMMS** *COMUTERIZED MAINTENANCE MANAGEMENT SYSTEM* (SAP system) planner. preventive /corrective maintenance orders follow up
10. 6,6KV generators (avk-ansaldo) preventive maintenance, overhaul, operation and troubleshooting
11. Gas turbine control and protection system (speedtronic vi ) preventive maintenance, operation, troubles shooting and calibration
12. Electrical power distribution substations Management and faults analysis. Maintenance of switch gears, circuit breakers (abb , sice , schneider, )
13. Power Transformers preventive maintenance and oil check (dielectric strength test, …)
14. Protection relays (CEE, Merlin grin, Schneider, ) calibration and re-setting according to variant Condition
15. 6kv, 0.4kv motors ( ABB , siemens. Marilli, ansaldo ,cemp, weg,) preventive maintenance (vibration check , greasing) and troubleshooting.
16. emergency diesel generators (Cummins, Caterpillar, and fiat) parallel operation , maintenance and troubleshooting Carrying out load test
17. UPS , D.C. panels (sice , powerware , convel, ABB, gutor) Preventive maintenance and troubleshooting and batteries maintenance and testing
18. Power and control circuits analysis and testing and cables splicing- fault clearing for power and control circuits
19. Off-shore platform Electrical system maintenance include:- (Photovoltaic system, diesel generator. Navigation system, and dc Panels,)
20. Fire Fighting & alarm systems FM-200, CO2(fitre –fas-silvani) Maintenance and troubleshooting
21. Performing and planning all electrical maintenance activities during plant shutdown period
22. **August 2000 –August 2001**

** New Valley Phosphate Mining Company, JOY international mining company Upper Egypt -** Electrical Engineer

**Duties:**

Maintain the long wall department electrical equipment's Shearer control system, crusher control circuit troubleshooting, medium voltage & low voltage motors control circuits managing and modifying

**5- July 1999 –August 2000 military service period**

Worked in maintenance and repairing workshops of Electrical Equipment's

**Computer Skills:**Excellent user for Microsoft office & presentation skills

**SAP System CMMS** (Computerized Maintenance Management System)

AutoCAD & Primavera

**Language Skills:**

Native Language: Arabic.

Very Good command of both written and spoken English