



Ibrahim Anis

Tel: + 971 50 4449836

Abu Dhabi, UAE.

E.Mail: anees31@eim.ae

Profile

- For more than 18 years I have been working in large **Power and Desalination** plants 14 years as **Operation Shift Charge Engineer**, 2 years as a **Mechanical Maintenance Supervisor**, and 2 years as a **Commissioning Engineer**. During my Power and Desalination Industry career path, I have developed systematic problem solving skills, faultfinding techniques, and effective team communication skills. These skills have enabled me on many occasions to identify the root cause of some equipment failures in the plant, where I have suggested corrective solutions improving plant performance and availability.
- Trained on **Grid Direct Solar Electric Design and Installation and Safety**, including the array, inverter, circuit conductors, and overcurrent protection and have passed **PV Safety Insulation program** organized by **Solar Energy International SEI**

Education

B.Sc.(Honors)Mechanical Engineering

University of Khartoum Sudan 1986

Nationality

Sudanese

Date of Birth

29 June 1962

Summary of Achievements:

At Al Taweelah Power & Desalination Plant Abu Dhabi,

- Developed, Position Qualification Requirement (knowledge and skill curriculum), for technical positions in the plant (Operation & Maintenance).

At Abu Dhabi Oil Company (Takreer) Ruwais Refinery,

- Developed site-specific training material for all the existing power plant units, Gas Turbines, Waste Heat Recovery Boilers, Steam Turbine, HP Steam Boilers systems and balance of plant, and Electrical Generators

At different Power and Desalination Plants,

- I have contributed significantly in suggesting some corrective actions on running power plants, as well as advising on some modifications of newly commissioned systems, at the power plants where I have worked. These resulted in preventing equipment failures and improved plants availability on several occasions ,(Case studies available on request)

The list include

1. **Finding** the cause of reoccurring tube leak in High Pressure Boiler, suggesting remedial action that was applied successfully(**Abu Dhabi Power Plant 2006**)
2. **Solving** a liquid fuel firing failure in an Auxiliary Boiler which was persisting for almost one year since commissioning, thus enabling the dual fuel to operate normally on either gas or oil as designed (Mirfa Power Plant 1999)
3. **Solving** a PLC problem which was preventing a newly commissioned Waste Heat Recovery Boiler from full load operation, **after resolution only**, did the customer **DEWA** issued the acceptance certificate (**Jebel Ali G Station Extension Project 1997**)
4. **Finding** the cause of new commissioned Steam Turbine Shaft periodic Vibration increase, and taking simple remedial actions that solved the problem.(Khartoum North Power Station 1993)

Skill Summary

- Design and Install Grid Direct Solar PV system
- Power and Desalination Plant Safety Authorized Abu Dhabi Water & Electricity and Dubai Water& Electricity Authority since 1997
- Supervision of Power and Desalination Plant Operation and Maintenance
- Plant efficiency monitoring , and finding ways to reduce controllable losses
- Active team motivator and player
- Commissioning Of New Power Plants, Gas Turbines, Boilers, Electrical Generators, High and Low Voltage substations
- Identifying any functioning deficiency of a component or a system in a Power / Desalination Plant, analyze the cause, and suggest corrective action.
- Use Computerized Plant Maintenance Planning System program, for preparation of the Plant maintenance activities with special care for safety aspects.
- Develop, and implement, competency based Training Programs

Work Experience

Feb 2018 to Date: Spark Training & Consultancy

Title : **Training Specialist**

Reporting to General Manager

Designed, and developed industrial competency training programs including the following

- Developed Power Generation, Transmission & Distribution Competency Training Solution
- Site Specific Training material Design and Development
- Co-design with software developers simulation training programs

August 2014 to October 2017: Total Tractebel Emirates O&M

Title : **Learning & Training Manager**

Reporting to HR and Administration Manager

Worked at Taweelah A1 (Power and Desalination Plant (capacity Power 1600 MW, water 85 MIG/Day located in Emirate of Abu Dhabi

- **Developed and managed** the Company Competency based Training Program

- **Prepared** 3 years training plan and budget, as per the plant training needs analysis done in coordination with line managers, addressing job specific requirements, as well as HSE mandatory training Matrices.

April 2011 to June 2014: Abu National Oil Company ADNOC Ruwais Refinery (Contractor Petroman Consultancy)

Title : On Job Training Instructor

Reporting to Ruwais Refinery Training Center Training section head

- **On Job Training Instructor**; at the Ruwais Refinery UAE General Utility Plant,
- **Involved in Plant activities to improve safety and reliability** of plant, by suggesting modification or addition of plant area or equipment

April 2008 to Jan 2011 Emirates Simulation Abu Dhabi UAE

Title : Simulator Training Officer

Reporting to ESA Operation Manager

- I have being involved in the establishment of the new Training Academy.
- I carried complete Simulators running tests, and commissioning for the Combined Cycle Power Plant and MSF Desalination Simulators,

Jan 1998 to March 2008: Water&Electricity Authority Abu Dhabi

Jan 1998 – May 2000 : Mirfa Power Plant.

Title : Mechanical Supervisor

- As a Mechanical Maintenance Supervisor, carry out day to day corrective and preventive mechanical maintenance for Siemens 64.3 V Gas Turbines systems and auxiliaries , Waste Heat Recovery Boilers and their Mechanical auxiliaries, the job included the following,
 - **Plan** Preventive corrective maintenance schedules using MAXIMO for maintenance work management
 - **Procure** necessary spare parts
 - **Carry** Root cause analysis for Equipment mal functions
 - **Follow** Plant Safety rules and PTW procedures to supervise and execute work orders as a Competent person (maintenance)

June 2000 to April 2008: Bainonah Power Co Abu Dhabi Power Station

Title: Shift Charge Engineer

Responsible for the following:

- **Supervision** of the 450 MW Combined Cycle Power and MSF Desalination Plant Operation; following the Load Dispatch Center Power and water production targets
- **Supervise** Shift Operation Staff of Senior and field operators
- **Identify** any functioning deficiency of plant or equipment faults, and suggest corrective actions and
- **Used** MAXIMO for maintenance work management
- **Managed** the Permit to work system Lockout and Tagout

April 1996 – Jan 1998 : Ansaldo Energia Spa. Dubai

Title : Commisioing Engineer & Test Director

Reporting to Commissioning Manager

- **Commissioning** Engineer at Jebel-Ali 'G' Station Power Plant Extension Project (**Dubai Electricity and Water Authority**) DEWA
- This was a combined cycle power plant project, comprising the addition of Siemens V 94.2 Gas Turbine, WHRB and Ansaldo Steam Turbines,
- **Responsible** for the commissioning activities done to bring the power plant extension (Gas Turbine, WHRB, and Steam Turbine, 2X 60 Mw and 120 MW Generators, High and Low Voltage Substation, Fire Protection System from the construction phase to the commercial operation phase.
- **As a Test Director, leading** DEWA Approved plan Project Stages
 1. Mechanical Completion and Certification
 2. Pre commissioning Activities (Flushing and Blowing)
 3. Assign deficiencies to a punch list for resolution
 4. Commissioning and Equipment Function Test Certification
- **Shift In Charge** during the reliability 1 month continuous operation of the Combined Cycle plant till the successful plant final performance test and handover to the client DEWA

Dec.1989 to Feb. 1996 : National Electricity Corporation Khartoum North Power Station- Sudan.

Sept. 1993 to Feb. 1996 **Shift Charge Engineer**

Jan. 1992 to Sept. 1993 **Shift Engineer**

Jan. 1990 to Jan. 1992 **Assistant shift Engineer**

This was a steam power plant, with a total electrical power out put of 220 MW

Training

- 22 Aug 2018 **Solar Installation Safety** Solar Energy International
- 29Oct-2Nov.2017:**Solar Electric Design and Installation - Grid Direct PV-101** by Solar Energy International at RAK University Research Center
- 18-19 Sep 2017:**Power & Desalination Plant Safety Rules** for Designated Persons by InstinctUK
- 10 -11 Oct 2016: **Electrical Authorization for Non- Electrician** by APAVE
- 7-9 Aug. 2016: **IOSH Managing Safely**
- 29 Jun-10 Jul 2008: **Instructor Training Certificate in Instructional System Design (ISD)** for Classroom and Simulator training by GSE Systems Inc. Maryland USA
- Jul 2004: International Computer Driving License **ICDL**
- 3-6 Sept.2000: **Maximo Maintenance & Operation Management by MRO Abu Dhabi**
- 14-16 May 1994: **Power Station Electrical Protection Systems Site Training** INGRA Croatia
- 1-13 Jun 1991: **Power System Engineering Course** by KEMA of Netherlands in Sudan

Languages

Arabic : Excellent
English : Excellent