

Ahmed Hamdy Abd Elrahman

Shift charge and PTW/LOTO engineer

Eclipse, Maximo, NEBOSH IGC, IOSH, TOT, Assessor, internal verifier, Six Sigma

MBA holder with Anglia Ruskin University London UK 2022

Bachelor of Engineering, electrical Power and Machines Department 2008

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Career summary

- Fourteen years of experience as a shift charge engineer, Lead power plant PTW/LOTO engineer, commissioning, startup, and Operation. MBA holder with Anglia Ruskin University London UK 2022 and BSC in electrical engineering 2008. Power plants Al Aweer Siemens SGT5-4000F 829MW, Layyah MHI M701F 1026MW, El Aff MHI M701F 750MW, and Banha GE9FA 750MW. Gulf region experience Dubai electricity and water authority (DEWA), SEWA, Elsewedy power, and ENGIE at Umm Alnar Power Plant. Clear and open communication at all levels with demonstrated vision, teamwork, leadership organizational, coordinating skills, judgment and decision making.

Work experience

1. Shift charge and PTW/LOTO engineer (MHI 701F-SGT5 4000F)

Layyah CCPP 1026MW and Al Aweer plant 830 MW, Elsewedy electric-Dubai
January 2022-Present

Responsibilities

- Operate the plant in a safe and efficient manner, following all plant procedures, health and safety policies and current operating practices.
- Coordination of field executed work during the commissioning phase for all equipment under commissioning control.
- Lead the PTW team and ensure all PTW personnel are following the PTW procedure.
- Familiarity with Work Management Systems and permitting practices as well as the tasks relating to commissioning and start-up of the facility.
- Ensure all users of the PTW and Lock Out Tag Out (LOTO) procedure are appropriately trained in its use and application.

2. Power plant control room and PTW/LOTO engineer

Umm Alnar power plant, ENGIE and Arabian power company Abu Dhabi
March•2019-December 2021

Responsibilities

- Prepare all PTW, Raise W. O's using ISSOW and coordinate with planning section for outage, annual outage maintenance, MOS Program and short-term preventive maintenance STPM.
- Maintain maintenance activities as a safety controller to ensure proper plant operation at all times.
- perform periodical control room and local operation of the power and water plant and making accurate and timely decisions on matters affecting local plant processes and performance.
- Understand plant status at shift takeover and/or handover and exchanges important details to the shift team. Ensures accurate and detailed information is passed to the following shift.
- possessing a detailed understanding of Company safety rules and practical application of such in the field Leading to authorization to perform the role of a Designated Person and safety controller.
- Operate the plant in a safe and efficient manner, following all plant procedures, health and safety policies and current operating practices.

3. Power plant operator and LOTO engineer

Dubai electricity and water authority (DEWA)

January 2018 – March 2019

Responsibilities

- Operation of the plant, safety, reliably and efficiently to achieve plant performance and ensure optimum level of power and water export as required.
- Perform operational actions (i.e. valve operation, switching on/off pumps or resetting the local alarms, etc.) to avoid any abnormal plant operations and correct existing abnormalities.
- Follows operational procedures and instructions to ensure work is carried out in a controlled manner.
- Control and maintain auxiliary equipment, such as pumps, fans, compressors, condensers, feed water heaters, filters, and chlorinators, to supply water, fuel, lubricants, air, and auxiliary power
- Monitor and inspect power plant equipment and indicators to detect evidence of operating problems.
- Start or stop generators, auxiliary pumping equipment, turbines, and other power plant equipment, and connect or disconnect equipment from circuits.

4. Lead Control Room and PTW/LOTO engineer

El Atf CCPP 750 MW (M701F) and Banha 750 MW CCPP (GE 9FA)

Egypt middle delta electricity production company (MDEPC)

• July 2009– Jan 2018

Responsibilities

- Operate the plant safely and efficiently during shift by leading a team of field operators and Control Room operators.
- Participate in the plant daily morning meeting, giving input regarding plant operational needs.
- Issue and cancel work permits in the capacity of Senior Authorized Person.
- Carried out the required isolation/de-isolation in the process.
- Generate reports such as generation reports, incident, accident and near miss.
- Adjust controls to generate specified electrical power, or to regulate the flow of power between generating stations and substations.
- Writing daily shift report for operational activities.
- Manages effectively plant transients in a safe and reliable manner.
- Write operation procedures, periodic tests and all other documents.
- Put in place a work permits organization, writing the adequate procedure.
- Manage the issuing of work permits.

Skills

- Power units and desalination plants DCS operation.
- Teamwork and communication skills.
- Leadership and coordination.
- Safety and high-performance skills.
- Responsibility and reporting.

Professional Certificates

- Occupational safety and health administration (**OSHA**) advanced diploma in H&S certified by National Association of Safety Professionals (**NASP**).
- International General Certificate in occupational safety and health course (**NEBOSH IGC**).
- Managing safely from the institute of occupational safety and health (**IOSH**).
- Certified Quality Management Six Sigma Yellow Belt professional from **VMEDU**.
- TOT training of technical trainers.
- Certified Assessor and internal verifier City and guilds quality academy.
- Onshore HUNDAI Heavy Industries jobsite training testing and operation for 245KV GIS.