

Khalid Aldossary

Safety Inspector | Saudi Electricity Company (SEC)

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📍 Dammam, Saudi Arabia

OBJECTIVE

Safety Inspector with over 9 years of experience in power generation and water desalination at Qurayyah Steam Power Plant. Started my career as a power generation operator, then took on a shift supervisory role in water treatment and desalination, before advancing to the position of Safety and Loss Prevention Inspector. Skilled in applying safety standards, reducing risks and losses, and ensuring regulatory compliance. Seeking a professional role that allows me to leverage my technical and administrative experience while contributing to a safe and efficient work environment.

EDUCATION

- Diploma, Steam Power Plant** – Saudi Electricity Company Institute **Sep 2013 – Jul 2015**

WORK EXPERIENCE

- Safety Inspector & Loss Prevention** – Saudi Electricity Company (SEC) **Feb 2023 – Aug 2024**

- Ensured full HSE compliance, including work permits, fire protection systems, PPE, and safety standards.
- Prepared and developed the plant's emergency response plan, assigned tasks, and led emergency drills.
- Carried out risk assessments across different areas of the plant.
- Investigated incidents and helped identify the root causes.
- Conducted regular safety training for employees.
- Took part in compliance audits to ensure safety regulations were followed.
- Assisted in planning and implementing loss prevention measures.

- Distilled Water Station Shift In-Charge** – Saudi Electricity Company (SEC) **Aug 2019 – Feb 2023**

- Supervised the operation and monitoring of:

- The thermal seawater desalination plant to ensure continuous water production.
- The auxiliary boiler to maintain pressure, temperature, steam generation
- The distilled water plant to maintain production consistency and water quality for operational processes
- The demineralization system using acid regeneration to produce high purity water
- The chlorine system to maintain effective disinfection levels
- The water treatment plant and chemical dosing processes to meet drinking water quality standards

- Steam Power Plant Operator** – Saudi Electricity Company (SEC) **Jul 2015 – Aug 2019**

- Operated main plant systems including boilers, turbines, and a 360 MW generator.
- Operated and monitored hydrogen production equipment, including compressors and generators.
- Performed routine inspections of fire protection system (CO₂, Halon, foam, and water systems).
- Prepared and updated plant performance reports for operations and management teams.
- Monitored and executed changeovers of auxiliary plant equipment to maintain reliability and operational continuity.

TRAINING & CERTIFICATIONS

- NEBOSH International General Certificate (IGC)** **Nov 2024**
- Osha Safety at Work** **Dec 2024**
- ISO 45001:2018 Safety Management System Auditor/Lead Auditor** **Oct 2024**
- Generation Work Permit Issuer & Receiver.** **Mar 2023**
- Cybersecurity for Executives.** **Mar 2023**
- SEC 5-Star OHS Management System.** **Jan 2021**
- Fundamentals of firefighting** **Aug 2016**

- Computer Skills:** Microsoft Office (Expert)
- Languages:** Arabic (Native) & English (Very Good)