

# Khalid Alhelali

Mechanical Engineer |  
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## OBJECTIVE:

I seek to develop the work environment in which I am in, gain experience, reach my goal and the position I aspire to reach, and highlight the effective role in a competitive work environment to provide the best.

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## EDUCATION:

### **Bachelor of Engineering (B.E.) – Mechanical and Material Engineering**

University of Jeddah, Jeddah, Sep 2018 - Jun 2024 (4.4 out of 5)

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## EXPERIENCE:

### **Site Engineer**

#### **SAS Systems Engineering, Jeddah, Saudi Arabia — August 2024 – Present**

Supervised and executed the installation, testing, and commissioning of clean agent fire suppression systems and fire protection pumps in Saudi Electricity Company (SEC) substations (380 kV, 132 kV, and 110 kV).

Managed project documentation, material inspections, and coordination with consultants, contractors, and suppliers. Ensured all works were carried out according to approved drawings and project specifications. Handled financial coordination, progress monitoring, and quality assurance to deliver projects on schedule.

#### **Key Projects:**

- **ABHOUR 380/110/13.8 kV Substation**      - **HARAM-3 110/13.8 kV Substation**
- **TAIBA WEST 110/13.8 kV Substation**      - **SOUMO 110/13.8 kV Substation**
- **TABUK INDUSTRIAL CITY 132/13.8 kV Substation**

#### **Mechanical Engineer (Summer Training)**

#### **Rabigh Operation and Maintenance Co, Rabigh, Jul 2023 - Aug 2023**

- Inspect and maintain steam power plant equipment and RO water desalination systems to ensure safe and efficient operation.
- Investigate incidents and malfunctions to identify causes and implement preventive measures for enhanced safety and reliability.

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## PROJECTS:

- **Senior Project**  
Design and development of an off-grid portable photovoltaic solar system
- **Water Desalination**  
Design reverse osmosis plant of seawater

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## SKILLS:

- Engineering Software                      - Microsoft Office Software                      - Invoicing
- Documentation & Reporting                      - Communicate Effectively                      - Collaboration

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## LICENSES & CERTIFICATIONS:

- **Mechanical Engineer**  
Saudi Council of Engineers – 1042277
- **Master SOLIDWORKS 2019 - 3D CAD using real-world examples**  
Udemy, 2023
- **IELTS: Overall, (5.0 out of 9)**  
Manchester, 2020
- **English Language Course, Kaplan Manchester**  
Manchester, 2019