

Emad Alghamdi

Mechanical Engineering

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OBJECTIVE

Mechanical Engineer with two years of hands-on experience in site supervision, mechanical systems installation, and project coordination. I hold a Bachelor's degree in Mechanical Engineering from Al Baha University and have contributed to major infrastructure projects including King Salman Park and Sports Boulevard. I certify my practical experience in site work, mechanical execution, and team management, with solid skills in HVAC systems, TSE lines, pumps, and low-voltage systems. Proficient in AutoCAD, ANSYS, and CFD analysis, and consistently ensure successful mechanical implementation and site compliance.

EDUCATION

Bachelor of Mechanical Engineering

Al-Baha University, Al-Baha,
September, 2023

Achieved the Dean's List Two times for outstanding academic performance.

EXPERIENCES

❖ Site Mechanical Engineering | Freyssinet Saudi Arabia,

2023/12 - present

Sports Boulevard Foundation

- TSE line – Supervised excavation, laying, and backfilling works with testing and inspection.
- Pumps – Oversaw installation and alignment of pump units and connection to piping network.
- Street light – Coordinated trenching, cabling, and installation of lighting poles and control panels.
- Low voltage – Handled routing and termination of LV cables for external systems.
- HVAC – Managed duct installation, equipment mounting, and ensured compliance with approved shop drawings.

King Salman Park project

- Supervising the mechanical parts of the building, the air conditioning system, pumps and generators.
- Division of work among employees.
- Development of productivity efficiency.
- Working within a team.
- Field work team leader.

❖ Training (Saudia Airlines)

- From June 2023 to August 2023

❖ Graduation project

- Thermal performance prediction of double pipe heat exchanger using CFD code

AWARDS

Recognized for outstanding performance during my graduation project contributing to successful Mechanical Engineering initiatives.

SKILLS

- Solar Energy Systems
- Time management
- Flexible work
- Work under pressure
- Working within a team
- Leadership
- Microsoft Office
- Ansys software
- AutoCAD
- Report Writing

CERTIFICATION

- Occupational safety and health management according to the American OSHA standards
- Agile & Scrum Project Management Risk Management
- ABB e-design (DOC) Network Design/Calculation Tool
- Solar Energy – The Future and the present

LANGUAGES

- Arabic
- English