

# Salah Alshammari

## *Mechanical Engineer*

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🌐 [SALAH ALSHAMMARI](#)

📍 Riyadh, Saudi Arabia

### SUMMARY

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Mechanical Engineer with over 7 years of progressive experience in mechanical systems design, installation, and maintenance across large-scale projects in construction, infrastructure, and facility management. Proven expertise in managing HVAC, firefighting, chiller, plumbing, and BMS systems, with strong skills in testing, commissioning, and quality assurance. Recognized for leading multidisciplinary teams, ensuring compliance with safety and engineering codes, and delivering projects ahead of schedule while maintaining cost efficiency. Dedicated to continuous improvement, sustainability, and applying international engineering standards.

### EDUCATION

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- **Bachelor of Science in Mechanical Engineering**  
University of Hail – Hail, KSA  
Graduation Date: 05/2010 – 05/2016

### EXPERIENCE

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#### **Nesma & Partners Company – Diriyah Project, Riyadh, KSA**

**Sr. Mechanical Engineer** | 09/2023 – Present

**Website:** [nesmapartners.com](http://nesmapartners.com)

- Leading the mechanical department (HVAC, Firefighting, Chillers, Plumbing) for one of the Kingdom's landmark projects.
- Overseeing design reviews, construction supervision, and coordination between stakeholders to resolve site issues.
- Managing testing and commissioning processes ensuring full compliance with project specifications.
- Conducting quality control and quality assurance inspections to align with safety and building codes.
- Preparing progress reports, technical documentation, and coordinating with consultants and contractors.

#### **Saudi Baytur Company – Misk Non-Profit Schools, Riyadh, KSA**

**Chief Mechanical Engineer** | 05/2022 – 09/2023

**Website:** [baytur.com.sa](http://baytur.com.sa)

- Directed all mechanical works (Firefighting, Chillers, HVAC, Plumbing, Pumps) across multiple school facilities.
- Led installation, testing, and commissioning of MEP systems ensuring seamless handover.
- Reviewed design drawings, conducted clash detection, and coordinated with consultants to resolve design conflicts.
- Supervised a multidisciplinary team, ensuring continuous workflow with proper allocation of manpower and materials.
- Liaised with clients and consultants in meetings to provide technical solutions and project updates.

#### **I-Manco Trading and Contracting Company, Riyadh, KSA**

**Mechanical Maintenance Engineer** | 05/2018 – 09/2022

**Website:** [iman-group.com](http://iman-group.com)

- Handled operation and maintenance of Firefighting, HVAC, Boilers, Pumps, Plumbing, Welding, and Generators.
- Monitored and optimized performance of systems through Maximo and BMS to prevent failures.
- Implemented preventive and corrective maintenance plans to enhance equipment efficiency and reduce

downtime.

- Ensured strict adherence to safety regulations and PPE compliance to eliminate workplace injuries.
- Collaborated with project management in system redesign and upgrades to improve performance and lifecycle.

### **Scientific Equipment House Company, Dammam, KSA**

**Project Engineer** | 05/2017 – 04/2018

**Website:** [smeh.com.sa](http://smeh.com.sa)

- Supervised multidisciplinary projects (Mechanical, Electrical, Civil) from design to delivery.
- Monitored project documentation, budget, and compliance with safety and quality standards.
- Conducted risk assessments, developed mitigation plans, and supported emergency response cases.
- Coordinated with project stakeholders to ensure timely completion within allocated resources.

## **SKILLS**

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### **Technical Skills:**

- HVAC Systems Design & Supervision.
- Firefighting & Plumbing Systems Management.
- Testing, Commissioning & QA/QC Procedures.
- Building Management Systems (BMS).
- Preventive & Corrective Maintenance Planning.
- Project Risk & Cost Control.

### **Personal Skills:**

- Strong Leadership & Team Management.
- Effective Communication & Negotiation.
- Problem Solving & Critical Thinking.
- Adaptability under Pressure.
- Strategic Planning & Decision Making.
- Time Management & Task Prioritization.

## **CERTIFICATES**

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- Project Management Professional (PMP) – PMI.
- Certified Maintenance & Reliability Professional (CMRP) – SMRP.
- HVAC Engineering – SCE.
- Saudi Mechanical & Building Codes – SCE.
- Building Management Systems – SCE.
- LEED Green System – KSUMC.
- Medical Gas System – KSUMC.
- Facility Management System – KSUMC.
- National Fire Protection Associate (NFPA).

## **AWARDS**

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- **CBAHI Accreditation Award** – Honored for supporting the implementation of high standards in mechanical systems and facility management in compliance with healthcare accreditation requirements.

**Website:** <https://portal.cbahi.gov.sa/arabic/home>

## **VOLUNTEERING**

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### **Tarmeem Organization**

**Sr. Mechanical Engineer** | 08/2024 – 10/2024, Riyadh, KSA

- Led facility management and renovation works for 108 buildings.
- Supervised team operations and completed the project ahead of schedule.

## **LANGUAGES**

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- Arabic – English.