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**Resident Mechanical Engineer at Dar AL-Handasah (Shair and Partners)**

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## PROFESSIONAL SUMMARY

**Resident Mechanical Engineer with 20+ years** of experience in construction and project management. Expertise in **HVAC, plumbing, firefighting, infrastructure, LPG, fuel, instrumentation, and control systems**. Strong leadership **managing large engineering team**. Proven track record in overseeing project execution, ensuring compliance with international codes, and delivering projects on time and within budget.

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## EXPERIENCE

### **Resident Mechanical Engineer**

**Dar AL-Handasah (Shair and Partners), Jeddah, Saudi Arabia**

**King Abdulaziz International Airport (KAIA) Project | Jan 2024 – Present**

- **Main Contractor:** Saudi Binladin Group (SBG)
- **Consultant & Construction Manager:** Dar Al-Handasah
- **Client:** GACA (Governance) – JEDCO (PM)
- **Project Budget:** 44.3 Billion SAR
- Led **mechanical and I&C systems** final testing, commissioning, and compliance validation.
- Managed project closure and handover ensuring full compliance with KAIA, GACA, project specifications and international standards.
- Directed a team of **23 engineers**, ensuring efficient project execution and stakeholder coordination.
- Supervised defect rectifications, snag list resolutions, and final documentation submission.

### **Mechanical Construction Manager**

**MERAS International Investment Company, Taif, Saudi Arabia**

**Taif Entertainment Complex Project | Oct 2024 – Dec 2024**

- **Main Contractor:** BUJV Albawani & UCC Joint Venture
- **Consultant:** Dar Al-Handasah
- **Client:** Saudi Entertainment Ventures
- **Project Budget:** 1.1 Billion SAR
- Oversaw **HVAC, firefighting, and plumbing system** installations and ensured compliance with regulations.
- Managed procurement, site coordination, and quality control.

### **Mechanical Construction Manager**

**Saudi Taab Contracting Company, Yanbu, Saudi Arabia**

**Yanbu Entertainment Complex Project Al Nawras Island | Mar 2024 – Sep 2024**

- **Main Contractor:** BUJV Albawani & UCC Joint Venture
- **Consultant:** Dar Al-Handasah
- **Client:** Saudi Entertainment Ventures
- **Project Budget:** 900 Million SAR
- Led **mechanical infrastructure, HVAC, and firefighting** installation across the project.
- Ensured adherence to **state building codes and specifications**.

### **Mechanical Construction Manager**

**Al Kifah Contracting Company, Khobar, Saudi Arabia**

**Al Khobar Hospital Project (500 Beds) | Apr 2023 – Feb 2024**

- **Consultant:** AD Engineering Company
- **Client:** Ministry of Health
- **Project Budget:** 700 Million SAR
- Supervised **medical gases, steam boilers, STP plant, reverse osmosis, HVAC, LPG, and fuel systems.**
- Provided **technical support, variation analysis, and project coordination.**

### **Mechanical Construction Manager**

**Al Kifah Contracting Company, Dhahran, Saudi Arabia**

**KFUPM Amaad Business Park Residential Towers | Apr 2021 – Mar 2023**

- **Consultant:** Wood Al Hejailan
- **Client:** Business Park Complex Company (BPCC)
- **Project Budget:** 1.8 Billion SAR
- Oversaw **construction of 12 residential towers** ensuring quality, safety, and budget compliance.
- Managed material requests, variation orders, and subcontractor invoicing.

### **Senior Mechanical Engineer**

**Al Kifah Contracting Company, Riyadh, Saudi Arabia**

**Construction of 15 Schools | Oct 2018 – Mar 2021**

- **Consultant:** AECOM Arabia Ltd
- **Client:** Tatweer Building Company (TBC)
- **Project Budget:** 200 Million SAR
- Led mechanical works ensuring compliance with AECOM standards.

### **Superintendent Mechanical Engineer**

**Al Kifah Contracting Company, Jubail, Saudi Arabia**

**Defense Force Infrastructure & Buildings (C-26) | Jun 2015 – Sep 2018**

- **Consultant:** Bechtel Corporation
- **Client:** Royal Commission for Jubail and Yanbu
- **Project Budget:** 500 Million SAR
- Managed **HVAC, firefighting, and plumbing system** construction for **54 buildings, lift station and infrastructure.**

### **Senior Mechanical Engineer**

**Elrazy Pharmaceutical Company, Egypt**

**Construction of pharmaceutical factory | June 2011 - May 2015**

- **Consultant:** Smart consultancy group, Khaled Fatten
- **Client:** Elrazy pharmaceutical Company
- Managed **HVAC, firefighting, and plumbing system** and **Purified water station**

### **Senior Mechanical Maintenance Engineer**

**Elrazy Pharmaceutical Company, Egypt | Oct 2007 – May 2011**

- Conducted **Factory Acceptance Tests (FAT) in China** for factory machinery.
- Performed **validation procedures (IQ, OQ, PQ)** for production equipment.
- Developed and approved **SOPs for machines and utilities.**
- Prepared and managed **preventive maintenance plans** in coordination with production teams.
- Planned and procured **local and foreign spare parts** based on annual budget.
- Ensured maintenance records were properly documented per quality requirements.

## Mechanical Engineer

Armed Forces, Egypt | Oct 2005 – Sep 2007

- Maintained and operated **engineering department equipment**.
  - Conducted **maintenance and installation** of mechanical systems.
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## EDUCATION

### Bachelor's Degree in Mechanical Engineering

Al Minia University, Egypt | May 2004 | 71.07%

- **Specialization** – Design and Production Mechanical Engineering
- **Graduation Project** – Excellent in Graduation Project in Design of Drop Weight Test

## SKILLS & COMPETENCIES

- **HVAC Design & Execution** (Carrier HAP, AutoCAD, Revit)
  - **Project Planning & Scheduling**
  - **Quality, Health, Safety, and Environment (QHSE)**
  - **Construction & Resource Management**
  - **Stakeholder Coordination & Leadership**
  - **Problem-Solving & Decision Making**
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## CERTIFICATIONS & TRAINING

- **PMP Exam Preparation & Workshops (42 PDUs)** – Udemy
- **Agile Project Management** – Luqman Academy
- **Design of HVAC Systems** – Egyptian Engineers Syndicate
- **Positive Energy** by AL Faisal University – Coursera
- **Communication skills training** from logic Center
- **Six Sigma** – Modern Management Center
- **Decision Making & Problem-Solving** – Modern Management Center
- **English conversation course** from British language institute

## LANGUAGES

- **Arabic:** Native
- **English:** Advanced (Written & Spoken)