

## HUSSAM ALAHMAD

Riyadh, Saudi Arabia

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Jordanian | Iqama: Transferable

### PROFESSIONAL SUMMARY

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A qualified Mechanical Engineer with **10 years of experience** in dynamic, growth-oriented environments. Proven track record in engineering development, simulation. Seeking to contribute my expertise to an innovative, forward-thinking company within the construction industry, where I can further develop advanced engineering solutions and support cutting-edge project execution.

### WORK EXPERIENCE

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#### Senior Mechanical Engineer | September 2021-Present

CREET International Contracting Co.

- Review mechanical designs to ensure alignment with project specifications and standards AS below: -
  - 1- **Firefighting system** (Piping work & novec system / clean agent & water mist system & foam system & Hoods fire suppression) & anything related.
  - 2- **plumbing system** (drainage & water supply & Solar hot water System & water filter & soft system, Pump) & anything related.
  - 3- **compressed air system** (piping work, compressors, dryer) & anything related.
  - 4- **HVAC system** (Duct work Ventilation & Air Conditioning, Chiller, AHU, FAHU, split, Exhaust, ecology) & anything related.
  - 5- **chilled water system** (piping work, Pump) & anything related.
  - 6- **Boilers steam system** (LPG & Electrical) (piping work & Condensate) & anything related.
  - 7- **Ammonia & Refrigeration system** (piping work, compressors, ammonia vessel, heat exchanger, evaporator, valve station, SCADA) & anything related.
  - 8- **LPG system** (piping work, tank storage, compressor vaporizer, pneumatic manifold, filling & detector) & anything related.
  - 9- **Infrastructure system** (piping work, Firefighting, sewer, potable water, storm, Irrigation, district cooling, LPG network, oil & Grease interceptor, Submersible Pump). & anything related.

#### Projects:

1. **Catrion Laundry Facility (Red Sea) (Project value 180 million)**
  2. **Catrion Catering Facility (Red Sea) (Project value 200 million)**
  3. **YORK Industries (King Abdullah Economic City) (Project value 12 million)**
  4. **Cement Product Industry (King Abdullah Economic City) (Project value 55 million)**
  5. **Atala garden Infrastructure (King Abdullah Economic City) (Project value 120 million)**
  6. **Pump Station (King Abdullah Economic City) (Project value 9 million)**
  7. **Restaurants project (King Abdullah University of Science and Technology) (Project value 5 million)**
  8. **Labor village project Accommodation Phase 1, 2, 3 project (King Abdullah Economic City) (Project value 230 million)**
- Supervise subcontractors to confirm all mechanical works comply with approved designs and specifications.
  - Prepare and issue all site-related documents, including Pre-Qualification documents, Method of Statement (MOS), Inspection and Test Plans (ITP), Material Inspection Requests (MIR), Work Inspection Requests (WIR), and take-offs for executed works.
  - Maintain accurate and detailed records of inspections, tests, and approvals.
  - Coordinate with consultants and clients to resolve site-related issues and ensure smooth project progress. Issue Interim Payment Certificates (IPCs) to subcontractors, ensuring timely and accurate billing.
  - Monitor material delivery schedules and ensure timely receipt of approved materials on site.

- Coordinate closely with civil, electrical, logistics, and other teams to ensure seamless integration of mechanical systems within the overall project.
- Prepare material take-offs and raise Material Requests (MRs) for both subcontractors and project needs. Generate weekly priority payment lists to support milestone completion without delays.
- Identify and resolve on-site design clashes and technical issues in coordination with relevant departments, consultants, and clients.
- Manage administrative tasks such as gate passes, accommodation requests, and monitor subcontractors' accommodation status.
- Collaborate with site management to facilitate Payment Applications (IPAs).

### **Mechanical Project Engineer | April 2018- August 2021**

Creet International Contracting Co.

- Prepared and submitted technical documentation, including Material Submittals, Shop Drawings, Method Statements (MOS), Inspection and Test Plans (ITPs), and Technical Calculations in line with project specifications and local codes.
- Coordinated with consultants, contractors, and regulatory authorities to obtain required technical approvals and ensure project compliance.
- Managed material procurement and logistics based on site requirements; ensured timely delivery and conformance to approved specifications and quality standards.
- Supervised the installation, testing, and commissioning of mechanical systems, including piping networks, pumps, valves, HVAC equipment, and control systems.
- Collaborated with civil, electrical, and safety teams to resolve design clashes, coordinate installation sequencing, and ensure integration of mechanical systems within the overall project.
- Led site inspections, system testing (e.g., pressure/leak tests), and full system commissioning, ensuring functionality and readiness for operation.
- Finalized and submitted as-built drawings and documentation in accordance with project and client requirements for smooth project handover.
- Enforced HSE protocols and monitored on-site activities to ensure compliance with health, safety, and environmental standards for mechanical works.

### **Junior Mechanical Engineer | January 2015- March 2018**

Creet International Contracting Co.

- Assisted the Senior Mechanical Engineer in supervising the installation of mechanical systems on-site, including HVAC, plumbing, and fire protection systems.
- Monitored daily site activities to ensure works were executed in compliance with approved drawings, specifications, and method statements.
- Coordinated with subcontractors and site personnel to track progress and resolve minor technical/site issues under supervision. Conducted material inspections upon delivery to verify compliance with approved submittals and project standards.
- Supported the testing and commissioning of mechanical systems, including preparation of checklists and coordination with testing teams.
- Assisted in preparing and updating as-built drawings and documentation for project handover.
- Prepared daily site reports and submitted updates to the Senior Engineer, highlighting work progress, manpower, and potential delays.
- Ensured that mechanical works adhered to safety regulations and site HSE protocols.
- Attended site coordination meetings and provided input on installation sequencing and access requirements. Carried out quantity take-offs and material requests based on site conditions and approved drawings.

## **Academic History**

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### **Muata university | 2011-2015**

*Bachelor of Science in Mechanical*

*Engineering Member of Saudi council  
Engineers.*

## **Tools & Technologies**

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CAD Design (AutoCAD, Navisworks)  
MS office (word, excel, PowerPoint)  
Aconex  
Procore

## **Languages**

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English | Arabic

## **References**

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Available upon request