

# SHAHAB RAEES

## MECHANICAL ENGINEER

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Current Location: Riyadh, KSA for immediate joining Transferable Iqama

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### PROFESSIONAL EXPERIENCE

- **17 years** of strategic roles within Organizations like Promag (PMC Company), Safeway Engineering Solution (MEP Contracting Company), AAA (PMC Company), Paragon Construction Company. Kaaf Engineers (MEP Contracting Company).
- Wide Client environment like Emaar Pakistan, Getz Pharma Pakistan, Sami Pharma, Ocean Shopping Mall, Center Point, Bahria Town, Metro Shopping Mall, Mega Cooperate Tower.
- The setting of strategic direction for MP/HVAC in the projects mentioned above with measurable objective. The development of joint MP/HVAC initiatives, and awareness of the MP/HVAC standards and regulations.

### Key Skills

- Design
- Planning
- Project Management
- Quality Assurance Development and Supervision work
- Material Procurement
- Testing and Commissioning
- Facility Management (Operation & Maintenance)

### Area of Expertise

- Areas of specialization are **HVAC** system, **Fire Fighting** system, **Plumbing** system, **Natural Gas** system, **Irrigation** system, **Infra Structure**, **Swimming Pool** System, **Elevators**, **Generator**.

### Major Roles in Various Organizations

- **Mechanical Inspection Engineer** with Promag Project Management Karachi Pakistan (November 2023 to August 2025).
- **Project Manager Mechanical** with Safeway Engineering Solution MEP Contracting Company Karachi Pakistan (July 2021 to November 2023).
- **MP/HVAC Project Engineer** with **Getz Pharma** Company Karachi Pakistan (June 2019 to June 2021).
- **MP/HVAC Site Engineer** with AAA PMC Company Karachi Pakistan (June 2018 to June 2019).
- **MP/HVAC Construction Manager** with Paragon Construction Company Karachi Pakistan (March 2017 to May 2018).
- **MP/HVAC Site Engineer** with Kaaf Engineers MEP Contracting Company Karachi- Pakistan (Jan 2014 to Feb 2017).
- **MP Site Engineer** with Nadeem Associate MP Contracting Company Karachi- Pakistan (Jan 2008 to December 2013).

### Employment Record

**Company:** Promag Pvt Ltd Karachi Pakistan  
**Project:** Panorama Tower Emaar Karachi, Pakistan (Unit of Dubai based Emaar Properties UAE)  
**Job position:** Mechanical Inspection Engineer  
**Year:** November 2023 to August 2025.

### RESPONSIBILITIES

- Review **MP/HVAC systems shop drawings**, material submittal, **method of statement TC**, and **FAT procedure**.
- Ensure quality of work is in compliance with contract requirements, and good construction practice, only approved materials and equipment's are installed in **compliance with the approved method of statements and**

#### **shop drawings.**

- Ensure MP/HVAC equipment and service room are constructed as per approved method of statements and in compliance with contracts requirements.
- Ensure installation and execution work as per **design standards, codes of practice, local authorities** and good engineering principles.
- Advise planning engineer of any slippage of progress related to site activities.
- Attend **technical meetings** with contractors/client.
- Attend **Factory acceptance test**.
- Supervise and coordinate **pre-commissioning activities** prior to functional testing with contractors and system specialties.
- Process safe completion of multi-discipline **testing and commissioning activities** in line with the projectschedule and milestones in a consistent and timely manner.
- Witness and verify **testing and commissioning of MP/HVAC systems** as per method statements in accordance with present regulations, standards, and specifications on systems.
- Prepare **snag list/ punch list** if found during testing and commissioning along with end user.

**Company:** Safeway Engineering Solution MEP Contracting Company Karachi Pakistan  
**Project:** Sami Pharma Production Building.  
**Job position:** Project Manager Mechanical  
**Year:** July 2021 to November 2023

#### **RESPONSIBILITIES**

- To review **MP/HVAC systems contract documents**, making suggestions/modifications as they relate to the MP/HVAC systems.
- **Manage and lead MP/HVAC subcontractors** throughout the duration of the project.
- **Assist the scheduling department** with developing detailed CPM schedules for all MP/HVAC installation activities, including **cost and resource loading**.
- **Prepare installation commissioning method statements** to ensure compliance with project standards/quality.
- **Prepare MP/HVAC shop drawings** and ensure their compliance with design requirements, and contract requirements, and properly coordinate with other discipline.
- **Prepare material submittal** and ensure compliance with contract requirement/specification for client/consultant approval.
- **Prepare as-built drawings** to submit client/consultant for approval.
- **Material planning** according to the project requirement, coordinating with the project team making planning timely and effectively.
- **Review and approve material and equipment** for MP/HVAC systems prior to installation.
- Monitor the **installation and start-up of MP/HVAC systems and commissioning** of projects.
- Coordinate activities, **materials procurement**, and other related activities.
- Take overall responsibility for the performance of all MEP trades.

**Company:** Getz Pharma Company Karachi Pakistan  
**Project:** Production Building Getz Pharma Company Karachi Pakistan  
**Job position:** Project Engineer Mechanical  
**Year:** June 2019 to June 2021

#### **RESPONSIBILITIES**

- Review MP/HVAC systems **shop drawings, material submittal, method of statement TC, and FAT** procedure.
- Ensure quality of work is in compliance with contract requirements, and good construction practice, only
- Approved materials and equipment's are installed in compliance with the approved method of statements and shop drawings.
- Ensure MP/HVAC systems equipment and service room are constructed as per approved method of statements and its compliance with contracts requirements.
- Ensure installation and execution work as per design standards, codes of practice, local authorities and good engineering principles.

- Advice planning engineer of any slippage of progress related to site activities.
- Attend **technical meetings with contractors/client**.
- Attend **Factory acceptance test**.
- Supervise and coordinate **pre-commissioning activities** prior to functional testing with contractors and system specialists.
- Process **safe completion of multi-discipline testing and commissioning** activities in line with the project schedule and milestones in a consistent and timely manner.
- **Witness and verify testing and commissioning** of MP/HVAC systems as per method statements in accordance with present regulations, standards, and specifications on systems.
- Prepare **snag list/ punch list** if found during testing and commissioning along with end user. Send of officially to the contractor.

**Company:** AAA PMC Company Karachi Pakistan  
**Projects:** Getz Pharma Company Karachi Pakistan  
**Job position:** Site Engineer Mechanical  
**Year:** June 2018 to June 2019

#### RESPONSIBILITIES

- Review MP/HVAC systems shop drawings, material submittal, method of statement TC, and FAT procedure.
- Ensure quality of work is in compliance with contract requirements, and good construction practice, only approved materials and equipment's are installed in compliance with the approved method of statements and shop drawings.
- Ensure **MP/HVAC systems equipment and service room** are constructed as per approved method of statements and its compliance with contracts requirements.
- Ensure **installation and execution work of MP/HVAC systems** as per design standards, codes of practice, local authorities and good engineering principles.
- Supervise and coordinate of **MP/HVAC systems pre-commissioning** activities prior to functional testing with contractors and system specialists.
- Process safe completion of **multi-discipline testing and commissioning** activities of MP/HVAC systems in line with the project schedule and milestones in a consistent and timely manner.
- Witness and verify **testing and commissioning of MP/HVAC systems** as per method statements in accordance with present regulations, standards, and specifications on systems.
- Prepare **snag list/ punch list** of MP/HVAC systems if found during testing and commissioning along with end user and send of officially to the contractor.

**Company:** Paragon Construction Company Karachi Pakistan  
**Projects:** Grand Mosque Bahria Town Karachi Pakistan  
**Job position:** Construction Manager Mechanical  
**Year:** March 2017 to May 2018

#### RESPONSIBILITIES

- Prepare **shop drawings** of MP/HVAC systems and ensure their compliance with design requirements, and contract requirements, and properly coordinate with other discipline.
- Prepare **material submittal** of MP/HVAC systems and ensure compliance with contract requirement/specification for client/consultant approval.
- Prepare **installation of MP/HVAC systems and commissioning** method statements.
- Supervise **installation of MP/HVAC systems** activities.
- Supervise of **MP/HVAC systems pre-commissioning & commissioning** activities.
- Supervise of **MP/HVAC systems de snag** work.

**Company: Kaaf Engineers MEP Contracting Company Karachi- Pakistan**

**Projects: Coral Tower Emaar Karachi Pakistan Mega Cooperate Tower Karachi Pakistan**

**Job position: Site Engineer Mechanical**

**Year: Jan 2014 to Feb 2017**

#### **RESPONSIBILITIES**

- To review **specifications, and BOQ** related to the **electromechanical** work.
- **Manage and lead Mechanical subcontractors** throughout the duration of the project.
- Prepare MP installation commissioning method statements to ensure compliance with project standards/quality.
- Prepare MP shop drawings and ensure their compliance with design requirements, and contract requirements, and properly coordinate with other discipline.
- Prepare MP material submittal and ensure compliance with contract requirement/specification for client/consultant approval.
- Prepare MP **as-built drawings** to submit client/consultant for approval.
- MP material planning according to the project requirement, coordinating with the project team making planning timely and effectively.
- **Review and approve MP material** and equipment for electrical systems prior to installation.
- Monitor the **installation and start-up of MP systems** and commissioning of projects.
- Coordinate activities MP materials procurement, and other related activities.

**Company: Nadeem Associate MP Contracting Company Karachi Pakistan**

**Projects:**  
**1. Metro Shopping Mall Karachi Pakistan**  
**2. Ocean Shopping Mall Karachi Pakistan**  
**3. Center Point Karachi Pakistan**

**Job position: Site Engineer Mechanical**

**Year: Jan 2008 to December 2013**

#### **RESPONSIBILITIES**

- To review specifications, and BOQ related to the electrical work.
- Manage and lead Mechanical subcontractors throughout the duration of the project.
- Prepare MP installation commissioning method statements to ensure compliance with project standards/quality.
- Prepare MP shop drawings and ensure their compliance with design requirements, and contract requirements, and properly coordinate with other discipline.
- Prepare MP material submittal and ensure compliance with contract requirement/specification for client/consultant approval.
- Prepare MP as-built drawings to submit client/consultant for approval.
- MP material planning according to the project requirement, coordinating with the project team making planning timely and effectively.
- Review and approve MP material and equipment for electrical systems prior to installation.
- Monitor the installation and start-up of MP systems and commissioning of projects.
- Coordinate activities MP materials procurement, and other related activities.

#### **Computer Skills/Software Skills**

- ✓ **AUTOCAD.**
- ✓ **MS Excel**
- ✓ **MS Word**
- ✓ **MS Power Point.**