

# AHMED HAMDY AHMED SALAMH

Team Leader Mechanical Engineer/ Senior Mechanical Engineer.

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## CONTACT

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📍 Tabuk, Saudi Arabia

📅 11 / 02 / 1985

Nationality: Egyptian

## EDUCATION

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### Bachelor of Engineering

**Shubra Faculty of  
Engineering**

**Mechanical Power  
Engineering  
2008**

## TECHNICAL SKILLS

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- Auto Cad.
- Microsoft Application (Word – Excel- Power point).
- Hap for Thermal Load Calculation.
- Elite for Fire Program.
- Ducting Size Program.
- Hydraulic calculations for pumps and pipes of feed water and sewage

## PROFILE

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I have 17 years of construction experience gained working for contractors; this experience has been gained from working in several locations. I have experience from working on multiple companies as design, technical office, site engineer, operation and maintenance; I always increase my knowledge by studying international codes, standards like (NFPA, ASHRAE, IBC, UPC) and attending technical courses & Seminars. Projects worked on have also meant that I have had to gain a working knowledge of other disciplines and understand that coordination of the various disciplines is necessary for successful projects.

Overall Technical Knowledge :

- 1) HVAC: air and water chiller, FCUs, AHUs, chilled water pumps, CRAC units for data center, wall AC, Cassette ,concealed units, PACU, fans, kitchen APUs ,exhaust ,Duct work ,chilled water pipes ,unit heaters ,Baseboards ..etc.
- 2) BMS: I & O List, Field Devices, Control Valves, Controller, Thermostats...etc.
- 3) Emergency Generator Fuel System: Fuel Pumps and pipes, daily and storage tanks ...etc.
- 4) Plumbing: cold, hot water & drainage pipes, Water Heaters and boilers, Roof and storm drainage.
- 5) Fire Protection: fire extinguishers, sprinkler system, generator foam system room, fm200 or Novec for control and electrical rooms, Kitchen Wet chemicals.

## WORK EXPERIENCE

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### Team Leader Mechanical Engineer

Abu Al Wafa General Contracting Company

Tabuk, Saudi Arabia

Nov2021 - PRESENT

Responsibilities / Responsibilities / leading a team of engineers and supervisors to complete mechanical works in projects-project pricing-reviewing the Shop drawings of projects and making adjustments to them in accordance with the project (HVAC- PLUMBING -FIRE FIGHTING) - Coordinate with other disciplines, review and approve vendor submittals, attend technical and Progress Meetings, doing site walkthrough & design review (QAQC), Witnessing the testing and balancing of HVAC systems , Development statements of work for Architect and Engineering (A/E) firms and review of A/E design packages , Research and analyze customer design proposals, specifications, manuals, and other data to evaluate the feasibility, cost, and requirements of designs .

### Projects

- Projects of the National Housing Company-Tabuk Valley (Sales building Commercial Mall-Entertainment parks-Tabuk Valley gate-Tabuk Valley mosque).
- The project of completing the buildings of support services for the public site Tabuk University.
- The project of amendments and equipping the Faculty of Tourism and hospitality in Alwagh-Tabuk University.
- Project for the construction of a commercial mall in Tabuk (Raqi Boulevard Mall).
- Hotel construction project-Holiday Inn hotel.

## LANGUAGES

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- **Arabic:** Native
- **English:** Good

## SKILLS

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- Cost Control
- Construction Mechanical Planning
- Contract Administration
- Quality Assurance
- Value Engineering Budget
- Management Resource
- Allocation Stakeholder Coordination
- Mechanical Engineering Design
- Site Execution and Supervision
- Claims Management
- Change Order Control
- Tendering and Estimation
- Health and Safety Compliance
- Team Leadership and Coordination
- Continuous Improvement and Innovation

## Senior Mechanical Project Engineer

**ASALA ALKHALEEJ REAL ESTATE Co**

2018 - 2021

- Responsibilities / Senior Mechanical Project Engineer for new construction and operation & maintenance for existing properties owned by the company (residential or commercial) Act as the main point of contact and be responsible for building the project to completion and remain informed of all activities taking place on site, coordinate schedule and update with related parties, collect information and disseminate to Scheduler.

### Projects

- Project for the construction of a commercial mall in Tabuk (Gallery Mall).
- Project for the construction of a commercial mall in Qassim (Tumor Mall).
- Project for the construction of residential buildings (Durrat Al Medina- 89 Residential building) in Madinah.
- Project for the construction of residential buildings (Durrat Tabuk- 9 Residential building) in Tabuk.
- Hotel construction project (furnished hotel rooms) 3 stars.
- Project for the construction of Al-Farouq commercial center in Riyadh.

## Mechanical Project Engineer

**SULIMAN AL-QADEEBI SON`S Contracting Co.**

2014-2018

Responsibilities included (tenders' study, shop drawing, calculations, BOQ review material submittals & Preparation of material purchase orders .etc.) for mechanical works for the Projects.

### Projects:

- Project for the construction of the Faculty of Medicine-Arar University
- Project for the construction of supporting buildings at Tabuk University
- Project for the construction of a commercial mall (Gallery Mall)
- The rehabilitation project of isolation rooms in hospitals and the project consists of changing the air conditioning units, ventilation fans, sterilization and isolation of the doctor again with some electrical and construction works.
- Construction projects of school complexes in several areas of Tabuk

**Site Engineer****Alexandria Construction Company (TMG Holding).**

Responsibilities included (shop drawing, calculations, material review submissions and preparation of material purchase orders. Follow-up the execution of works with subcontractors, inventory quantities and issue financial extracts to subcontractors.) For mechanical works.

**Projects:**

- Project for the construction of a commercial mall (Arabesque Mall).
- Project for the construction of administrative buildings in Madinaty (City Building - Administrative Building Area1 - Administrative Building Area 6).
- Project for the construction of a mosque in the first area buildings and the sixth area Buildings.
- Project of extension of infrastructure works for sanitary works and firefighting works in the area of the first villas.

**Technical Support &Engineering Solution.**

2008-201

**Hammam industries & Co.**

Studying the engineering projects related to air conditioning and ventilation (technical and financial study) and approving them from the competent authority, preparing Shop Drawings and following up the implementation of works on site.

**Projects:**

- Industrial Ventilation Project for Painting and Assembly Stands General Motors Factory – Egypt
- Project of ventilation and fire resistance for paint and assembly hall Daewoo Factory – Egypt
- The air conditioning project for the administrative building Bisco Masr – Alexandria.
- Air conditioning and ventilation project for BMW factory for Exhaust System manufacturing.
- Supply and installation of a dust complex for P&G – Egypt
- Air conditioning project for the administrative building of a Mercedes factory - Egypt
- Air conditioning, ventilation works for many maintenance centers of GB auto company.
- Rehabilitation of the ventilation and firefighting system for Wadi El Nile Restaurants Group.
- Rehabilitation of the kitchen ventilation system for the Americana Group of Companies – Egypt
- Maintenance project of the cooling towers and the rehabilitation of the ventilation of garages for the Four Seasons Hotel Egypt
- Ventilation project (dust collector) for the packing ward of Evergreen Factory - Egypt
- Ventilation and fire-resistance project for the production warehouse in Precap Factory – Egypt

## **Functional tasks:**

- Manage projects and lead a team of engineers, supervisors, technicians and subcontractors to complete the required work on time according to the established schedule of mechanical works, coordinate with other works and find quick solutions to installation problems if any.
- Pricing of projects whose pricing is based on the cost of materials, the cost of installation fees, the cost of time, in addition to the profit percentage given according to the circumstances of each project individually.
- Studying technical projects in terms of preparing Shop drawings for the project and limiting the quantities of materials used in the project and providing technical files to manufacturers in proportion to the general cost of materials for the schedule of quantities and approval by the competent supervisory authority.
- Provision of hydraulic calculations for various mechanical operating systems in the project, both water pumps and fire-fighting pumps, as well as air conditioning and ventilation systems, water supply and sewage pipes.
- Follow-up the implementation of the mechanical works of the project, which contains four sections. (Sanitary works inside the building, Firefighting works inside the building, Air conditioning and ventilation works, General site works such as extensions of drinking water supply pipes, sewage works and extensions of firefighting water pipes).
- Following up and operating subcontractors and the company's labor, determining the daily work completion rates, comparing them with the project schedule, and conducting the necessary tests commensurate with each individual system before handing them over to the competent supervisory authority with a delivery letter indicating the quality of the work received and the date of receipt.
- Preparing Current financial extract for subcontractors according to the percentage of completion, as well as preparing Weekly reports for the company on the percentage of completion of mechanical works, and then reviewing the percentage of completion of works by the competent supervisory authority after delivery and making a Current financial extract based on the completion rates.
- Reviewing new items for additional mechanical works in the project and calculating the quantities of additional work items, pricing them and submitting them for approval by the competent supervisory authority.
- Hand over the project, conduct operational tests, complete all the final statutory papers of the project from the delivery of as built drawings and submit the final financial extract