

Muhammad

[Muhammad.181523@2freemail.com](mailto:Muhammad.181523@2freemail.com)

Mechanical Engineer

B.Sc. in Mechanical Design & Production Engineering

Cairo University, May 2005

# EMPLOYMENT

**Apr. 2015 - Jan. 2017** Senior project Engineer

**DNGO Contracting Saudi Company** - Saudi Arabia

**DNGO** is a contracting company; subsidiary from Al Bayan Holding Group in

Saudi Arabia specialized in water projects.

* Supervise day-to-day site activities & resolve technical issues.
* Coordination with client, subcontractors and sub-suppliers.
* Liaise between & provide technical support to the Project Manager & the Engineering, Construction & Quality Assurance teams.
* Subcontractor supervision and follow up.
* Review of Contract technical parts
* Professional document controlling.
* Preparing As-built ( Cad ) drawings.
* Investigating and preparing Request for information ( RFI ).
* Evaluation of Technical offers for suppliers & selection of equipment.
* Review & coordination between the Engineering design drawing packages to avoid problems during execution.
* Review submittals prior to submission to the consultant.
* Attend project meetings and take the suitable actions.
* Prepare for Site Construction work.
* Prepare Daily Reports and presentations regarding the project status

Projects:

* Riyadh Strategic Water Tanks ( Ø110 m, Capacity 1 million m³ )

**Sep. 2014 - Apr. 2015** HVAC Design Engineer

**apr. 2013 - Sep. 2013** **Aspen Engineering Company** - Egypt

**Aspen** is an engineering design company, subsidiary from Al Bayan Holding

Group.

* Detection of Suitable HVAC Systems for the project.
* Preparing Thermal Load Calculations using HAP
* Preparing Ventilation Calculations.
* Preparing Duct & Pipe Sizing Calculations.
* Preparing Static Pressure Calculations.
* Selection of HVAC equipment from catalogues.
* Preparing BOQ.
* Preparing Design and Workshop Drawings for HVAC works.
* Coordination with other disciplines ( Arch., Civil, Electricity, Plumbing & Fire Fighting ).

Projects:

* Al Taif University Hospital - Saudi Arabia
* Al Baha University Hospital - Saudi Arabia
* AHSA Additional Silos - Saudi Arabia
* JEDDA Additional Silos - Saudi Arabia

**Oct. 2013 - Aug. 2014** Senior Mechanical Design Engineer

**Reliance Heavy Industries** - Egypt

**RHI** is a consulting company specialized in Industrial Plants.

* Review of HVAC engineering drawings.
* Preparing design calculations
* Preparing general arrangement drawings for cement plant.
* Preparing workshop drawings for material handling equipment.
* Review of technical offers from suppliers.
* Review of engineering documents submitted from contractors
* Attending meetings with contractors.
* Perform Site Visits.

Projects:

* Dangote Cement Plant - Ethiopia
* Tabuk Cement Plant - Saudi Arabia

**Jun. 2006 - Nov. 2012** Senior Mechanical Design Engineer

**ASEC for Manufacturing & Industrial Projects** - Egypt

**ASEC** is a leading EPC company specialized in design, Manufacturing &

erection of Cement Plants.

* Manage a team of engineers and draftsmen to do tasks in deadlines.
* Prepare Layout, General Arrangement, and Workshop Drawings.
* Design / Detailing of mechanical equipment such as:

1. Bulk material handling equipment ( Belt Conveyors )
2. Bulk material storage equipment ( Hoppers, Silos )
3. Plate and duct works ( Chutes, Cyclones, De-dusting pipes )

* Prepare design calculation sheets used in work.
* Coordinate with other sections ( Civil, Arch., Electricity & Utilities ).
* Review Technical Offers of Purchased items.
* Perform Site visits to collect any required data.
* Provide Technical Support as needed.

Projects:

* Al Shamal Cement Plant - Sudan
* Assuit Cement Plant - Egypt

# Training

* HVAC, Plumbing & Fire Fighting Systems Design
* Project Management Diploma
* Design & Construction of Piping Systems

# languages

# Arabic : Native

# English : Advanced

# skills

|  |  |  |
| --- | --- | --- |
| - MS. Windows | - Solidworks | - HAP |
| - MS. Office | - AutoCAD | - Pipe Sizer |
| - Internet | - Revit MEP (beginner) | - duct sizer |