

Bahaa Al Banna

Senior Mechanical Engineer



PROFILE

Senior Mechanical Engineer,
Specialized in MEP design and construction. Well-versed in numerous programs including HAP, AutoCAD, Revit, Inventor, Microsoft Office and Project and Primavera. I possess site and engineering experience with wide knowledge of all MEP systems. I am seeking a position as a consultant where I can use my seven years of engineering experience along with my certifications to ensure that the MEP systems are properly designed and executed at site.

CONTACT

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EDUCATION

University of Balamand

2011 - 2013

I have graduated with distinction with average of 89.3.

Hariri Canadian University

2008 - 2011

I have graduated with Honor with an average of 87.

WORK EXPERIENCE

STED: SERVICES. TRADING. ENGINEERING. DESIGN

25/02/2020 – Present

Senior Testing and Commissioning Engineer (Riyadh, Saudi Arabia)
L01-AI Yamama Palace in Riyadh,

Arabian Construction Company

14/06/2016 – 17/01/2020

Senior MEP Design Engineer (Dubai, United Arab Emirates)
Boulevard Point Project: a residential 72-storey tower located in Downtown Dubai Launched by Emaar in 2014. The high-end luxury tower features consist of 472 residences of one, two, and three-bedrooms. The project was handed over along with a landscape, swimming pool and a water feature (Fountain).

Chief Manager in maintaining the zero clash coordinated drawings by preparing workshops and coordinating with subcontractors to model all MEP services
Check the Architectural, ID, Structural and detail drawings to match with the MEP shop drawings.
Verify the Mechanical Shop Drawings to meet the IFC
Audit the hydraulic calculations, pressure drop and other MEP submittals.
Prepare sourcing requests such as for Information RFI, Inspection Requests IR, and Purchase Order PO.
Liaise with the subcontractors, prepare MEP Progress logs / Clearance logs (Excel VBA) and update weekly.
Conduct site visits and advise the subcontractor for urgent tasks.
Provide site solutions for clashes between MEP, structural, Architectural and ID that are acceptable for all parties.
Handle the Testing and commissioning of MEP systems, such as Chilled Water, Ventilation, Smoke Management, Firefighting, Water Supply, Fire Alarm, LPG, Intercom, Building Management, Emergency, lighting control systems and Generator.

Br. C.A.T international Co. Limited

11/01/2015 - 7/06/2016

Fabrication Engineer (Dammam, Saudi Arabia)
Master Gas Expansion Phase 1 Project (Client: SAUDI ARAMCO) 310 KM 56" Natural gas pipelines with 19 Valve Stations, 2 Launcher Scraper Stations and 2 Receiver Scraper Stations.

Provide technical drawings for the fabrication team to proceed with the construction of spools.
Check the WBS related to the activity matches the specifications.
Manage the work done at site as per the drawings.
Lead the team in the installation of valve stations, launchers and receivers.
Follow up with the Quality team to conduct NDT tests for welding joints (X-Ray & UT tests).
Testing and commissioning the pipeline (air pigging, hydro static test)

HOBBIES

Creating inventions (3d-Printer)
Swimming
Bodybuilding
bike riding

SKILL HIGHLIGHT

Project management
Testing and commissioning
MEP Design
MEP Shop drawings
3d-Modeling
Fabrication
PLC (LOGO, TIA Portal, WinCC)

REFERENCES

Mr. Fadi Talhouk
MEP Projects Manager
Mr. Fadi Elmasri
MEP Project Manager
Mr. Badri Matar
Client

A.R. Hourie Enterprise

9/01/2014 - 7/01/2015

Estimation Engineer (Achrafieh, Lebanon)

Achrafieh 20 | 30 a two-tower project located in Beirut as green on the inside as it is environmentally sound on the outside and throughout the premises. Curved photovoltaic array turn the sun's rays into enough electricity to supply hot water, heating, and air-conditioning to serve all common areas using latest-generation VRV technology to tap these renewable resources.

Coordinate with the subcontractors to submit the BOQ as per the clients' requests.

Prepare BOQ and submit to the consultant.

MEP Quantity estimation including Mechanical, electrical and home automation.

Material takeoff and placing material orders for fixtures supplied by the main contractor such as sanitaryware and sanitary fixtures.

Mechatrade-Engineering

3/06/2011 - 7/01/2014

Technical and Site Engineer (Dekweneh, Lebanon)

Mechatrade-Engineering

Prepare shop drawings for the MEP systems such as HVAC systems, plumbing, firefighting, ventilation and BMS systems.

Prepare builders work drawings to be able to install the MEP provisions.

Coordinate with the civil construction team at site to place MEP provisions in the concrete.

Lead the MEP team in the construction activities.

Testing and commissioning for MEP systems and hand over to the consultant.

SKILLS

Revit	100%
AutoCAD	100%
Inventor	100%
HAP	100%
Elite	85%
ETS 5	80%
Microsoft Project	95%
Microsoft Office	95%
Primavera	80%
Programming Languages...	80%

CERTIFICATIONS

Project Management Professional / PMP

Lebanese American University - Online (Beirut, 2020).

Programmable Logic Controller-Siemens (LOGO & S7-1500)

Matrix Energy & Automation Ltd (Beirut, 2020).

Revit MEP Course

CADD: Center Training Services (Dubai, 2018).

Electrical Design Course

Arabian InfoTech (Dubai, 2017).

HVAC Design Course

CADD Center Training Services (Dubai, 2017).

Introductory Course in Revit

EduDmg: Education Development & Management Group (Beirut, 2014).

Proficiency in Home Automation Systems (EIB/KNX)

EduDmg: Education Development & Management Group (Beirut, 2014).