

MOHAMED HANY NAFAA

MECHANICAL PROJECT ENGINEER

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Current location: Al Khobar, Saudi Arabia



WORK EXPERIENCE

Al-Yusra Arabian construction company - AACC (Sep. 2024 – present) Al-Khobar, Saudi Arabia

Mechanical site engineer: -

Renovation and refurbishment of Al-Rashed Mall in Al Khobar

- Supervised the subcontractors to execute the approved shop drawing on site.
- Prepared material requests and submitted them to the purchase team.
- Preparing and submitting Work Inspection Requests (WIR) to the consultant for inspection and handover.
- Oversaw the installation of HVAC, plumbing, and other mechanical systems.
- Collaborated with division head, architects, and subcontractors to ensure project deadlines and specifications are met.
- Ensuring adherence to safety protocols and local regulations throughout the renovation process.
- Preparing progress reports, monitoring project timelines, and ensuring efficient use of resources.
- Managing on-site teams, conducting inspections, and providing technical support to resolve issues.

AWAL for refrigeration & air conditioning (Aug 2022 – Sep 2024) Sitra, Bahrain

project in charge: -

- Developed project schedules, monitored progress, and ensured adherence to budgets.
- Facilitated technical meetings and addressed project requirements with stakeholders.
- Oversaw installation, testing, and commissioning to meet quality standards.
- Prepared monthly and weekly reports for each Project and submitted a detailed project Report to the Management.
- Managed project costs and optimized resource allocation.
- Monitored team performance and provided updates for performance evaluation.

Le Royal and Sonesta hotels & resorts (August 2020 – July 2022), Sharm el-Sheikh, Egypt.

Senior MEP Project Engineer: -

Renovation of Le Royal and Sonesta hotels & resorts, Sharm el-Sheikh group, according to SWISSÔTEL requirements:

- Reviewed the MEP requirements of the management company and discussed them with the project manager.
- Reviewed the shop drawings and ensured they were applicable on-site.
- Conducted a thorough review and prepared RFIs to address any missing information, ambiguities, conflicts, or other technical issues that emerged during work.
- Prepared inventories and extracts for contractors.
- Observed the supplier's quotation, technical offers, and submittals of equipment to match the requirements.
- Attended meetings with management company engineers to discuss the work process and any conflicts to achieve their requirements.
- Observed the contractor's work on-site, received work after they finished, and shared updated reports with the project manager.
- Spearheaded HVAC system enhancements and conducted maintenance activities for 800 TR chillers, DX units, and concealed split units.
- Renovated Kitchen equipment and MEP works for all restaurant areas and more than 8 bars.
- Executed installations of cold storage refrigerators, food buffets, and kitchen hoods with ductwork.

- Improved water sewage treatment plant through the replacement and maintenance of pumps and filters.
- Renovated 16 swimming pools and an aqua park, replaced and maintained pumps, renewed the liners, renewed some infrastructure pipes, and redesigned some pools.
- Supervised data center room works.

TEMCO TECHNOLOGY, labs division, construction department (Feb 2020_Aug 2020) Cairo, Egypt.

Mechanical technical office engineer:

- Led mechanical projects from design to completion and ensured alignment with architectural and electrical requirements for pharmaceutical clean rooms.
- Coordinated project handovers to consultants and the client, and managed financial documentation.
- Reviewed mechanical tenders, communicated with vendors, and supervised on-site activities.
- Successfully facilitated the handover of 7 Intravenous nutrition pharmacy projects.

HANOUX Engineering company for MEP contracting and Maintenance (2011 _2019) Ismailia, Egypt.

HVAC ENGINEER (full time 2018 2019)

- Supervised and executed electromechanical installation and maintenance works.
- Designed electric control panels and HVAC systems calculations.
- Assisted junior staff, troubleshooted mechanical equipment breakdowns, and supervised function tests.
- Reviewed outstanding requisitions and ensured timely completion of tasks.

HVAC MAINTENANCE SUPERVISOR (part-time 2011 2017)

- Oversaw maintenance of refrigeration and A/C systems, chiller/freezer rooms, pumps, and semi-sealed compressors.
- Conducted troubleshooting and repairs, optimizing equipment performance and minimizing downtime
- Completed all electromechanical activities across diverse projects.

TRAINING

Trainee in BALAYIM petroleum company "PETROBEL" (Jun-2017/Aug- 2017) (Jun-2014/Aug- 2014)

Trainee in East Delta workshops for transportation (Jun-2011/Aug-2011).

COURSES

- The manager's toolkit: A practical guide to managing people at work -Coursera online (2024)
- Safety in the Utility Industry –Coursera online (2023)
- MEP Diploma (HVAC-Firefighting-Plumbing) –EGYCET for Training (2021)

EDUCATION

- Faculty of Engineering – Higher Technological Institute, 10th of Ramadan, Egypt (2020).
- B.Sc. Mechanical Power Engineering.
- B.Sc. project: refrigerator vending machine (grade A).

PERSONAL DATA

- Birth Date: 23rd Dec. 1992
- Marital status: Married.
- Nationality: Egyptian.

Languages

- ARABIC: First language.
- ENGLISH: Basic proficiency.

COMPUTER SKILLS:

- Microsoft Office • HAP • AutoCAD