



# Mohammad Hassan

Project manager / Construction Manager

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Saudi Arabia

## CORE COMPETENCIES

- Financial Acumen.
- Business Enhancement.
- Deductive Reasoning.
- Action Biased.
- Results Focus.
- Decisive Leadership.
- Engineering Prowess.

## EDUCATION

- BSc. of Mechanical Engineering, Zagazig University, Egypt, 2007.

## NATIONALITY

- Egyptian

## MEMBERSHIPS

- Egypt Syndicate of Engineers
- Saudi Council of Engineers

## Approvals

- Sausi National water Company

## SOFTWARE EXPERIENCE

AutoCAD, MS Office, ERP.

## TRAINING AND COURSES

- Construction cost Mgmt.
- Project management.
- Six Sigma yellow belt.
- Negotiation Associate.
- Basics of Pricing.
- Risk Management.
- Microsoft 365 fundamentals.
- Non-Destructive Tests.
- Performing & Area Authority.
- Drinking water quality testing.
- Water treatment.
- Heat Circuits System.
- OSHA.
- AutoCAD.
- Lifting Training.
- Oil and gas fundamentals

## LANGUAGES

- Arabic
- English

## PERSONAL SUMMARY

Mr. Hassan is a fully qualified Lead mechanical engineer with over sixteen years of professional experience in Egypt, Tanzania and Saudi Arabia with renowned companies such as GUPCO, Khalda, Elsewedy Electric, Giza Systems & Al Rafia. He has a successful record of accomplishment in delivering high- profile, large-scale projects. Extensive experience with construction management of a wide variety of innovative, sustainable, reliable, and economical Infrastructure , oil and gas, power plant, and water desalination, water treatment projects, including management, cost estimation, supervision, installation, inspection, P&IDs, Flow Diagram, method of Statement, materials, testing, pre- commissioning, coordination with other concerned disciplines and knowledgeable with international standards AWS, ASME, API, ANSI, ASTM, and ISO.

Mr. Hassan is involved in all aspects of construction such as steel structure, welding SMAW, GTAW, SAW, GMAW, erection, infrastructure, metallic and nonmetallic piping, Pipelines, Static and Rotating equipment, penstocks, screens, skids, overhead cranes, tanks, HVAC, firefighting, plumbing works, lifting and scaffolding.

## PROFESSIONAL EXPERIENCE

### Al Rafia Contracting Company RCC

**Mechanical Manager**, September 2024 -Present

**Designing and developing existing lift stations, discharge lines, and downhill pipelines in the Qatif Province**

**Client: Saudi National Water Company**

**Consultant: ENGINEERING & TECH. SERVICES CO. ETS**

- Led the design and implementation of Lift stations, force main pipelines, downhill pipelines, ensuring compliance with industry standards and regulations, resulting in improved safety measures on-site.
- Implemented thorough technical assessments of existing infrastructure, identifying areas for improvement and implementing cost-effective solutions to optimize performance.
- Developed with the client, Saudi National Water Company, to gather feedback and incorporate their requirements into the design process, ensuring project alignment with their expectations.

### GIZA ARAIBA, KSA

**Site Manager**, February 2024- August 2024

**Supply, installation and replacement for electromagnetic flow meters for water Wells at Middle and Eastern clusters**

**Saudi National Water Company**

- Conducted thorough site surveys to assess project requirements and ensure accurate replacement of flow meters.
- Issued existing drawings and proposed new drawings to support the smooth implementation of the project.
- Created detailed work plans outlining tasks, timelines, and resource allocation for efficient project execution.
- Generated Material Take-Offs to facilitate procurement processes and maintain project timelines.
- Collaborated with vendors and suppliers to procure necessary materials and equipment, according to timely delivery and project continuity.

## ELSEWEDY ELECTRIC, April 2017 – June 2023.

**Lead Mechanical Construction Engineer - Construction Manager**, Aug. 2022 – June 2023.

**Employer operation village, 4.8 million USD, Julius Nyerere 2115 MW Hydropower Plant, Tanzania**

**Arab contractors & Elsewedy electric JV.**

**Tanzanian Electric Supply Company Limited (TANESCO).**

Lead projects and clients in the planning, design and construction of Firefighting system, Swimming pool and Electrical duct banks including civil, mechanical and infrastructure work as well as creating construction documents, specifications and handling construction oversight administration. Steered the successful roll-out of project operations entailing setting timelines, analyzing requirements, prioritizing task and identifying dependencies. Provided leadership and facilitates technical and management collaboration amongst project team members, stakeholders and client.

**Lead Mechanical Construction Engineer - Construction Manager**, Aug 2021 – Jul 2022.

**Upgrading ASSUIT Sewage Treatment Plant 70 to 105 MLD, Egypt.**

**Elsewedy Environmental Solution and Veolia.**

**ASSUIT Water and Waste Water Company, 600 million EGP**

- Produced the construction of new structures, including Quiet chamber, Screens, grit removal tanks, sedimentation tanks, disk filters, and interconnecting piping network, resulting in a successful upgrade of the ASSUIT Sewage Treatment Plant from 70 to 105 MLD.
- Reviewed mechanical design, documents, drawings, material specifications, P&IDs, Flow Diagrams, method of Statements, equipment data sheets, and vendor specifications by quality standards and client requirements.
- Simplified construction activities by leading planning, scheduling, resource allocation, and documentation efforts, as per the project milestones were met within the specified timeline and budget.
- Facilitated effective communication and collaboration between cross-functional teams, contractors, and stakeholders to drive project progress and any construction-related issues promptly.
- Demonstrated expertise in project management, mechanical engineering, and wastewater treatment systems throughout the successful rehabilitation of old structures and implementation of new facilities at the ASSUIT Water and Waste Water Company, resulting in a \$ 600 million project completion.

**Senior Mechanical Construction Engineer acting as Construction Manager**, March 2020– July 2021.

**Nuweibaa RO desalination plant 15000 m<sup>3</sup>/day, Egypt. Elsewedy electric power systems projects & GIS Aqua.11 million Euro.**

**Ministry of Defense, Engineering Authority. Water Department**

- Spearheaded construction supervision for a €11 million Nuweibaa RO desalination plant project in Egypt, overseeing dewatering, marine works, process buildings, and interconnecting piping network installations.
- Ensured project accuracy and completeness by keeping detailed records and emphasizing safe construction practices, resulting in the successful completion of the construction phase within set time constraints.
- Arranged a team aligned with project deadlines and quality standards, focusing on on-site safety and risk management to guarantee a high-quality construction process.
- Acted as the main point of contact for the Elsewedy Electric Power Systems Projects & GIS Aqua, liaising with stakeholders to handle construction-related issues promptly and effectively.
- Launched the construction of Potable water systems, irrigation, plumbing, firefighting systems, and HVAC installations, highlighting strong project management skills and attention to detail.
- Upgraded cost-effective strategies to optimize project budget utilization while maintaining high-quality construction standards and meeting client expectations.

**Senior Mechanical Construction Engineer**

**Beni Suef Combined Cycle power plant 4800 MW, Egypt, April 2017 – Feb. 2020**

**Elsewedy electric power systems projects & Siemens, 3 billion Euro.**

**Egyptian Electricity Holding Company**

- Led the construction of steam turbine cooling system components, such as pumps and GRP piping up to Ø2600 mm.
- Installed the Heat Exchanger Piping system up to Ø 700 mm, adjusting the efficiency and functionality of the mechanical works in the Water Treatment area.
- Initiated the installation of a Potable Water Skid Cooling Tower, HVAC systems, and firefighting equipment, enhancing operational safety and compliance with regulations.
- Planned rigorous quality analysis of project activities, focusing on alignment with drawings, specifications, and industry standards to drive successful project outcomes.
- Joint with stakeholders including clients, consultants, and subcontractors to obtain technical approvals, solve issues, and maintain project progress in alignment with preset quality standards and HSE regulations.

#### **KHALDA PETROLEUM COMPANY@APACHE, WESTERN DESERT, EGYPT**

**WD field Mechanical construction manager**, April 2012 – March 2017.

**Production fields, Oil Processes, Gas Plants, and Turbines, EGP 900 million.**

- Directed new projects, repairs, and shutdowns for Process Piping, production lines, and systems, ensuring flawless resource coordination and HSE compliance, which resulted in a 91% improvement in quality control metrics.
- Orchestrated the establishment of the contract shutdown activities for Process Piping and production lines, achieving an impeccable coordination and strict adherence to HSE standards.
- Led the successful installation of 900 km of carbon steel pipelines ranging from 2' to 24" and up to 160 schedules, enhancing operational efficiency and rigorous quality control.
- Mastered rigorous quality control measures, including Non-Destructive Tests and leak testing, to ensure the integrity and safety of installations, earning commendations for project execution excellence.

#### **DEVELOPMENT INTERNATIONAL GROUP CO., EGYPT**

**Site Manager**, October 2010 - March 2012

**Gulf of Suez Petroleum Company (GUPCO & BP)**

**New Fiberglass Firefighting System at Ras Shukair Gas Plant, EGP 9 million.**

- Oversaw the successful completion of a EGP 9 million New Fiberglass Firefighting System project at Ras Shukair Gas Plant, managing the construction of a 4.5 km underground GREFF network PN 20, including installation of Key Lock Pipes and Taper Fittings in sizes ranging from 2" to 24".
- Led a multidisciplinary team in executing civil works such as excavation, bedding, pipes anchoring, backfilling, and valve chambers, to comply with project specifications and timelines.
- Handled project communication, including conducting meetings, preparing monthly reports, and corresponding with clients and contractors to match project requirements and resolve issues promptly.
- Drove effective project planning and scheduling strategies, overseeing drawings, material takeoff, and quantities to match optimal resource allocation and adherence to project timelines.
- Gained exceptional leadership skills by mentoring and guiding team members, resulting in a 20% improvement in team performance and productivity.
- Identified and mitigated potential hazards at construction sites through regular safety audits; established best practices leading to an improved safety protocol followed by 100% of team members throughout all phases of projects..

#### **EGY STEEL CO., EGYPT**

**Steel Fabrication Team Leader**, November 2009 – Sep. 2010.

**National Bank of Egypt @Nasr City, Ayad Faltas Galvanizing Plant, El Arish Cement Plant, and East Cairo Electricity Plant**

- Finalized the successful completion of steel fabrication projects by reviewing workshop drawings
- Led a high-performing team in the fabrication and welding processes, resulting in the timely completion and handover of projects to consultants at multiple sites, including National Bank of Egypt, Nasr City, Ayad Faltas Galvanizing Plant, El Arish Cement Plant, and East Cairo Electricity Plant.
- Started efficient production processes by preparing material take-off (MTO) lists, launching prefabrication procedures, and closely monitoring the visual inspection stages to guarantee quality workmanship.
- Achieved cost savings and minimized project delays by proactively identifying and resolving issues during the fabrication and prefabrication stages, which enhanced project efficiency and client satisfaction.

#### **ARAB STEEL FABRICATION CO. ASF - EL SEWEDY, EGYPT**

**H.D.G & Steel fabrication Production Engineer, Egypt**, March 2008 – Sep. 2009.

**El Sewedy Cement Factory, El Sewedy Galvanizing Plant and Arabian Cement Factory .**

- Mastered construction of ASF Co. Hot Dip Galvanizing plant no.2, overseeing the installation of tanks, kettle, and water systems; Operated GRP lamination of insulation, assessed with the Chinese team to streamline operations,
- Generated hot dip galvanizing and steel fabrication processes, increasing productivity; enhancing production efficiency and reducing waste.