

DANIAL HAIDER (Mechanical Engineer)

Dubai, United Arab Emirates | 00971-581847147 | danialsyed017@gmail.com

Professional Summary

I am a self-motivated, resourceful, and progress-driven Mechanical Engineer having **9-years** of experience and an extensive background in this industry a long-standing record of initiative, and delivering results. In my role as a Mechanical Engineer, I exercised the ability to learn and grow, interpersonal awareness in contribution to team efforts, and organizational improvements. Well-versed in interpreting and executing Mechanical-related drawings. Proficiency in managing the utilization of manpower, tools, machinery, and equipment at the project site. I am open-minded and focused on new developments in my field.

Education

Bachelor of Science: Mechanical Engineering PIEAS – Islamabad

Diploma: Petroleum Engineering – Punjab

Skills

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| <ul style="list-style-type: none">• HVAC Site Execution• Irrigation Network Execution• Fire Fighting Execution• Mechanical Infrastructure Piping• Project Management• Storm Network Execution | <ul style="list-style-type: none">• Pipe Sizing• Pumping Station Works• Test Plan Execution• Technical Expertise• Team Leadership• Sewerage Network Execution |
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Projects Handled

- Construction of Roads and Infrastructure for Al Hamra,Industrial Zone 2, Phase 01 to 05.
- Pumping Station Works at Emirates Flight Training Academy.
- Irrigation Pumping Station works for Al-Layyan Lake,Al-Qudra,Dubai.
- Irrigation Pumping Station works for the interchange of Meydan Road with Al-Khail Road, Dubai.
- Irrigation Pumping Station works for the interchange of Al Fay Road with Sheikh Muhammad Bin Zayed Road, Dubai.
- Infrastructure works for Grandiose Hypermarket, Dubai.
- Infrastructure works for Proposed New Entry and Exit for Dubai Airport Free Zone Authority.
- Infrastructure works for Birmingham University, Plot No. F001, F002, F003, DIAC, Dubai.
- Infrastructure works for Gems Our Own Private English School on Plot No.3100 Jawazia, Sharjah.
- Infrastructure works for Grand Hyatt Exhibition Centre on Plot No 315-0128, Dubai.
- Infrastructure Package for Jafza Trader Market, Jebel Ali Free Zone, Dubai.
- Infrastructure works for Emirates Flight Academy (EKFA) & Hospitality Plots, Dubai South.
- Infrastructure works at the Aviation District of Dubai South, Dubai.
- Infrastructure works for Chilled Water Piping, Le-Meridian Hotel, Dubai.
- Pumping Station works for Town Square, Al-Qudra, Dubai.
- Plan for Chilled Water Pipes and pumping Station works, Dubai Hills Estate, Dubai.
- Infra-structure piping for Pumping Station works, Yotel Hotel, Dubai.
- Pumping Station Works, Souk Warsan-C, Dubai.
- Uch Power Plant, Baluchistan, Pakistan.

Work Experience

Mechanical Engineer

08/2024-Present

Capital Engineering Consultancy

- Inspect mechanical systems to ensure compliance with design specifications, industry standards, and manufacturer requirements.
- Conduct quality control checks during installation, testing, and commissioning to verify adherence to codes and standards.
- Verify alignment, tolerances, and material specifications for mechanical components.
- Ensure equipment installation follows approved drawings and design specifications.
- Inspect piping, welding, bolting, and connections for integrity and compliance with safety and design standards.
- Monitor and verify performance tests (air, pressure, leak, flow, deflection, torch and mirror) to ensure the integrity of the network.
- Confirm compliance with environmental, health, and safety regulations during all phases of the project.
- Maintain detailed inspection reports and document any deviations, corrective actions, and resolutions.
- Identify deficiencies or design deviations and recommend corrective measures.
- Follow up on corrective actions to ensure proper resolution of issues.
- Collaborate with contractors and engineers to address mechanical issues and design changes.
- Review and approve design or installation modifications, ensuring safety and operational standards are met.
- Perform final inspections to ensure mechanical systems are fully operational and meet project specifications.
- Ensure all systems comply with relevant regulations and performance requirements before project handover.
- Monitor mechanical systems for compliance with environmental impact limits (noise, vibration, emissions).
- Recommend improvements to inspection procedures, quality standards, and safety practices.
- Mentor junior inspectors and assist in training teams on proper inspection and quality control techniques.

Project Engineer

02/2023-08/2024

Greenscapes Landscape & Maintenance Contracting LLC – Dubai

- Creating detailed specifications for the equipment and components used in the pumping station, ensuring they meet industry standards and project requirements.
- Overseeing the installation and commissioning of pumping systems, ensuring that all components are installed correctly and function as intended.
- Implementing quality control measures to ensure that all installation work meets safety and performance standards.
- Diagnosing and resolving mechanical issues that may arise during the execution of the pumping systems.
- Working closely with other engineers, technicians, and stakeholders to coordinate activities related to the pumping station project.
- Providing technical expertise and support to clients or project stakeholders as needed.
- Undertake design and tendering of mechanical piping works related to water supply and irrigation pump stations.
- Manage Consultants, undertake technical reviews, progress reporting, and liaise with developers.
- Review and supervise the preparation of construction estimates, schedules, and budgets as required.
- Performs technical reviews of drawings, product data, material samples, purchase orders, subcontracts, inspection reports, delivery schedules, instruction manuals, Contractors' shop drawings, and technical data to assure compliance with the requirements of the Contract package.
- Coordinate aspects of project submittal and deliverables, reviews, and approvals against contract requirements.
- Assist in the execution, pursuit, assessment, and review of future opportunities for project work.
- Provides coordination support between engineering disciplines.
- Ensure the relevant QA procedures are followed without exceptions
- Assistance for the organization and supervision of works acceptance testing.
- Management of design in mechanical tasks.
- Technical review of compliant drawings relating to the hydro-electromechanical equipment.

RTC Road and Traffic Engineering – Dubai

- Ensured that all the materials used are in accordance with project specifications.
- Reviewed method statements for installation and testing of Mechanical Systems.
- Reviewed material submittals in compliance with project specifications.
- Reviewed technical drawings developed by CAD technicians and drafters.
- Examined existing documents and blueprints to best update and maintain project records.
- Identified suitable materials for production use that aligned with environmental concerns and budget constraints.
- Liaised effectively with the execution teams about the project changes to avoid any delay.
- Identified deficiencies in mechanical processes to develop improvements.
- Coordinated with client representatives for inspection requirements of the project.
- Ensured all safety measures were followed while in operation.
- Coordinated with DM and DEWA Engineer for installation activities at the site.
- Carried out an effective pre-construction survey before starting the installation activity at a specified location.
- Conducted successful DEWA and DM Shutdowns within the given time frame avoiding any delay.
- Planned multiple projects from beginning to end, focusing on timelines, budgets, and mechanical feasibility.
- Delegated tasks to entry-level engineers, closely monitoring work to monitor quality, maintain speed, and exceed daily project goals.
- Analyzed and interpreted all specifications and blueprints as per contracts and monitor all deviations for same to ensure compliance with all procedures.
- Controlled engineering activities to maintain work standards, adhere to baseline program and meet quality assurance targets.
- Performed pre-construction, quality, and safety management, as well as constructability review, start-up, and commissioning.

Mechanical Project Engineer

12/2017 – 07/2020

Techno Star Electromechanical LLC - Ajman, United Arab Emirates

- Executed installation of HVAC system as per approved shop drawings complying with project specifications and ASHRAE & SMACNA standards.
- Performed inter-disciplinary coordination with other engineering disciplines such as Fire Fighting, Plumbing, Electrical, etc.
- Conducted the hydro testing and flushing of the Chilled Water Pipe Network.
- Monitored testing of duct leakage if any by using the Method of Smoke Test.
- Perform inspections of executed work as per the approved shop drawing & and project specifications and accompany the consultant for the inspection to get the approval.
- Liaised with key stakeholders to acquire necessary resources, maintaining project momentum.
- Assisted with quality inspections, rectifying issues quickly to minimize operational disruption.
- Examined project plans and locations to identify and mitigate potential hazards.
- Coordinated with consultant representative on quality matters, and carried out site inspections.
- Raised WIRs and follow-up for approvals.
- Ensured sufficient hand tools, power tools, ladder, and scaffolding are available for installation.
- Coordinated with other disciplines and ensure site clearance is available to start activities.
- Arranged sufficient manpower such as Supervisor, Foreman, Pipe fitter, Assistant pipe fitter, etc. and ensured all of them attended safety orientation and had proper PPE prior start of installation activities at the site.
- Provide approved Shop drawings, and MEP Coordination drawings to the site supervisor and inform them to shift the required approved material from the warehouse to the site and arrange the required material to avoid progress delay.
- Closely monitored site activities to ensure the quality of work follows approved shop drawings and specifications get a daily progress report from the site supervisor and update the Project Manager on a daily basis.
- Raised the RFIs to get the solution of the problems.
- Prepared the method statements to conduct the testing inspection for mechanical systems.
- Assisted the team during the preparation of final test reports, as-built drawings, and handing over the project to a client.
- Monitored installation of materials and equipment for compliance with drawings and specifications.

Royal Engineering Company - Lahore, Pakistan

- Reviewed the equipment schedule, IFC drawings, Tender drawings, and specifications for any discrepancies.
- Quantity takeoff for the long lead and short lead items of the project.
- Utilized the site resources effectively and ensured safety and quality.
- Arranged the manpower as per project requirements to avoid any delay in progress.
- Arranged the required machinery and tools for site execution works.
- Executed the project based on design, specification, and as per approved shop drawings.
- Raised WIRs for inspection and approval.
- Coordinated with a consultant for any issue encountered at the site.
- Monitored team personnel during construction activities for compliance with health and safety requirements and reported to the manager on a daily basis.
- Making the spool packs for feasibility as per the project requirements.
- Addressed the workers on the importance of the necessity of PPE's provide them with proper identification using, handling, and maintaining the PPE.
- Performed monthly safety walks and escalated concerns in line with relevant procedures.
- Ensured projects were finished on time and under budget by communicating data and updates regarding estimated completion dates to the project support team.

Certifications

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| <ul style="list-style-type: none">• HSE Engineering Diploma• Crane Safety• Excavation Safety• First Aid/AED/CPR for Adults• Work at Height and fall arrest system | <ul style="list-style-type: none">• Permit to Work System• Hazards Identifications & Risk Hazards (HIRA)• Welding, Cutting, and Brazing• OSHA 30Hrs Construction Safety• Level II in Fire Safety |
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