

MOHAMED EL-AIDY

Materials & Quality Control Engineer

📍 Riyadh, Saudi Arabia | 📞 +966 556 503 461 | ✉️ mohamedelaidy177@gmail.com | 🔗
linkedin.com/in/mohmaedelaidy

Professional Summary

Materials and Quality Control Engineer with over 11 years of experience in road and building construction projects. Skilled in managing concrete and asphalt plants, crushers, and materials testing laboratories. Proven ability in technical sales, quality control, and delivering tailored technical solutions while ensuring compliance with engineering standards and technical specifications, including ASTM and AASHTO.

Professional Experience

Materials & QC Engineer | The Golden Ocean for Contracting – Riyadh, Saudi Arabia

Aug 2023 – Present | Rasan Project

- Supervised ready-mix concrete plant operations and materials testing laboratories, achieving a 15% increase in production efficiency.
- Implemented QA/QC procedures, reducing material rejection by 20% and ensuring compliance with project specifications.
- Monitored the execution of backfilling and concrete works on-site, ensuring adherence to technical specifications.
- Managed laboratory testing and conducted necessary tests on soil, aggregates, and concrete to ensure all materials, including those from asphalt plants, concrete plants, and crushers, complied with relevant standards and specifications.
- Handled material submittals, obtained approvals, and coordinated with clients and consultants.
- Prepared and submitted all technical reports (daily, weekly, etc.) in a timely and accurate manner.
- Prepared technical quotations and participated in project bidding, while coordinating with clients to achieve sales targets.
- Managed sales operations and followed up on sales targets in coordination with the team and clients.

Materials & Sales Engineer | The Golden Ocean for Contracting – Al Ula, Saudi Arabia

Aug 2022 – Aug 2023 | Desert X Project

- Managed operations and sales of asphalt, concrete plants and crusher.
- Managed laboratory testing and conducted necessary tests on soil, aggregates, and concrete to ensure all materials, including those from asphalt plants, concrete plants, and crushers, complied with relevant standards and specifications.
- Supervised site activities to ensure quality and compliance with technical specifications for all work, including asphalt and concrete plants.

Materials & QC Engineer | Talaat Mostafa Group – Egypt

Nov 2018 – Jul 2022 | Madinaty, Al-Rehab, Four Seasons, May Fair, Noor Project

- Managed the laboratory, conducting all necessary tests on soil, aggregates, and asphalt to ensure material quality, including evaluation, compliance with specifications, and preparation of all related test reports.
- Managed the asphalt plant, ensuring full compliance with project specifications, increasing production efficiency, and minimizing waste in production.
- Worked on asphalt designs according to project requirements, technical specifications.

- Monitored quality control from project initiation to final delivery, ensuring that all operations met technical and quality standards.
- Ensured that all materials-related work was executed in accordance with technical specifications and quality standards.
- Contributed to the final project handover by ensuring all work met technical specifications, as well as delivering all project-related reports.

Materials Engineer | General Nile for Roads – Egypt

Jan 2018 – Oct 2018 | Safaga-Marsa Alam Highway Project

- Managed the laboratory and conducted all necessary tests on soil, aggregates, and asphalt to ensure material quality and compliance with technical specifications.
- Performed quarry assessments and validated material sources, contributing to the development of a quality control database and maintaining consistent material quality.
- Optimized lab workflows and test scheduling, reducing testing time by 40% while ensuring accuracy and timely results.
- Handled all project-related approvals, ensuring their timely submission and acceptance.

Materials & QC Engineer | Al Zahra for Contracting – Egypt

Nov 2013 – Jan 2018 | Regional Ring Road, Axis of 30 June, 6 October-Oasis Road

- Managed the laboratory and oversaw all necessary tests for concrete, asphalt, soil, and aggregates, ensuring full compliance with specifications and standards.
- Managed the production of concrete and asphalt, as well as the operation of crushers, while implementing QA/QC procedures.
- Designed asphalt and concrete mixes, conducted necessary tests, and obtained approvals from consultants and clients.
- Selected quarry locations and conducted the required tests to verify their suitability for use in backfilling operations.
- Monitored on-site execution to ensure quality achievement and specification compliance.
- Contributed to the final project handover by ensuring all work met technical specifications, as well as delivering all project-related reports.

Skills

- QA/QC Management • Concrete & Asphalt Mix Design • Materials Testing & Laboratory Supervision • Technical Sales & Client Relations • Crusher and Quarry Operations • Team Leadership & Communication • Microsoft Office (Excel, Word, PowerPoint) Field Troubleshooting & Reporting.

Education

- Bachelor of Geophysics, Zagazig University, Egypt – May 2013.
- Grade: Good (72%).

Languages

- Arabic: Native.
- English: Good (both written and spoken).