

Eslam Raed

Material Engineer

✉ eslam.raed20@gmail.com

☎ 0553779267

📍 Saudi-Arabia

☰ 01-JAN-1998

SUMMARY

I'm skilled **Material Engineer** with a strong background in material science, engineering principles. Experienced over 4 years in analyzing, developing, and optimizing materials for various engineering fields and projects. I have worked on various types of projects, particularly road projects, where I was responsible for designing and quality control of soil and asphalt mixtures, as well as all related project components. Additionally, I have strong experience in material quality control in construction projects, especially in concrete.

PROFESSIONAL EXPERIENCE

Material Engineer

APRIL 2023 – FEB 2025

The National Company for Land Reclamation and Desert Agriculture

A leading national company in well drilling, land reclamation, and desert agriculture..

Project: *The construction of internal roads in EL-OWINAT Farm.*

EL-OWINAT - EGYPT

- **Field Supervision – Monitoring the execution of works on-site and ensuring proper application of materials.**
- **Quality Control and Testing – Conducting laboratory and field tests to ensure materials comply with specifications.**
- **Design and Optimization – Collaborating with the design team to improve material selection for quality and cost-efficiency.**
- **Coordination with Contractors and Suppliers – Ensuring smooth execution and high-quality performance.**

Material Engineer

MAY 2022 – MARCH 2023

AL-ZAHRAA FOR GENERAL CONTRACTING

A leading company in road construction and maintenance..

Project: *The construction of the Al-Kharga - Sohag road with a length of 117 km. SOHAG - EGYPT*

- **Material Selection – Identify and select appropriate materials for road construction, including asphalt, concrete, aggregates, and other construction materials, based on project specifications and environmental conditions.**
- **Quality Control & Testing – Conduct laboratory and field tests to ensure materials meet required quality standards and specifications. Monitor the quality of materials used in construction.**
- **Design and Optimization – Work with the design team to recommend and optimize material choices for the road pavement structure, ensuring long-term durability and cost-effectiveness.**
- **Ensuring Compliance – Ensure all materials used in the project comply with national and international standards and regulations.**
- **Collaboration with Contractors – Coordinate with contractors, suppliers, and other engineers to ensure the timely delivery and use of high-quality materials.**

- **On-Site Supervision** – Supervise the correct implementation of material application at the construction site, ensuring proper compaction, mixing, and laying of materials.

Material Engineer

JUNE 2020 – MAY 2022

SPECTRUM CONSULTING GROUP

A consulting group specialized in supervising transportation projects, particularly road projects.

Project: The construction of the Al-TENEDAH - MANFLOUT road with a length of 300 km.

ASUIT – EGYPT

- **Material Specification Review** – Ensure that all materials used in the project comply with design specifications, contract requirements, and industry standards.
- **Quality Assurance & Control** – Supervise material testing and quality control procedures to confirm compliance with project requirements.
- **Approval of Materials** – Evaluate and approve materials submitted by contractors, including asphalt, aggregates, concrete, and soil.
- **Laboratory and Field Testing** – Oversee laboratory and on-site testing of construction materials, such as compaction tests, asphalt mix design verification, and concrete strength testing.

TECHNICAL SKILLS

- Material characterization & testing
- Failure analysis & root cause investigation
- Process optimization & quality assurance
- Advanced manufacturing & additive technology
- MS OFFICE (Word & Excel & Power point)

LANGUAGE SKILLS

- **ARABIC** (mother tongue)
- **ENGLISH** (good spoken and written)

EDUCATION

PETROLEUM AND MINING GEOLOGY

FACULTY OF SCIENCE – MANSOURA UNIVERSITY

July 2016 – July 2020

GPA: 2.82 / 4

PERSONAL SKILLS

- | | | |
|---|---|---|
| <input type="checkbox"/> Communication | <input type="checkbox"/> Time Management | <input type="checkbox"/> Organized |
| <input type="checkbox"/> Planning | <input type="checkbox"/> Problem Solving | <input type="checkbox"/> Teamwork |
| <input type="checkbox"/> Leadership | <input type="checkbox"/> Attention to detail | |