

Mohamed Salah El-Dean Mahdy

Quality Assurance Manager | Geologist Engineer

Contact Information

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Professional Summary

Detail-oriented Quality Assurance Manager and Geologist Engineer with over 15 years of experience in construction, groundwater management, and drilling operations. Proven track record in implementing ISO standards, managing QA/QC processes, and leading multidisciplinary teams. Strong technical background in geological analysis, well logging, and hydrogeology.

Professional Experience

Quality Assurance Manager

Arab Contractors Company (Osman Ahmed Osman) – Sinai Branch

Feb 2021 – Present | Ismailia, Egypt

- Successfully led the implementation of ISO 9001:2015 (Quality), ISO 14001:2015 (Environmental), and ISO 45001:2018 (Occupational Safety & Health) certifications.
- Managed quality assurance and control across large-scale infrastructure and construction projects.

Geologist Engineer

Arab Contractors Company (Osman Ahmed Osman) – Sinai Branch

Dec 2018 – Jan 2021 | Sharm Elsheikh, Egypt

- Conducted geological risk assessment for Umm El-Sid Plateau stabilization project.
- Supervised the drainage network renewal project in Naama Bay.

Geologist Engineer

Arab Contractors Company (Osman Ahmed Osman) – Marine Construction Management, Drilling and Dewatering Branch

Jun 2009 – Dec 2018 | Egypt

- Executed various drilling and dewatering projects including:
 - **El Obour City:** Drilled and installed 850 wells at depths ranging from 40m to 270m.
 - **Egyptian-French New Assiut Barrage Project:** Drilled and installed 31 offshore wells at 40m depth.
 - **Saft El Laban Project:** Drilled and installed 34 wells at 114m depth.
 - **Al Ahram Beverages Project:** Drilled and installed 200m deep well.
 - **Pyramid Plateau Development:** Drilled and installed 16 wells at 60m depth.
 - **El Moghra Development:** Drilled and installed 140 wells at depths of 124m–200m.
 - **Sharm El Sheikh Infrastructure:** Drilled and installed 30 wells at depths of 72m–140m.
- Performed fast interpretation of well logging records (electrical, self-potential, natural gamma ray).
- Analyzed drill cuttings to identify geological formations.
- Correlated well data to produce geological cross-sections.

- Created water level contour maps.
 - Conducted pumping tests and well development procedures.
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Education

Pre-Master Degree in Geophysics, Faculty of Science, Suez Canal University
Sep 2009 – Aug 2010 | Ismailia, Egypt

- Grade: Good

Bachelor of Science (B.Sc.) in Applied Geophysics, Faculty of Science, Suez Canal University
Sep 2004 – May 2008 | Ismailia, Egypt

- Grade: Very Good with Honer Degree
 - **Graduation Project:** Marine Seismic Exploration (Excellent)
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Certifications & Training

Internal Auditor for ISO 14001:2015

Technological Institute of Construction Engineering and Management
Jun 2024 | Cairo, Egypt

Internal Auditor A & B for ISO 9001:2015

Technological Institute of Construction Engineering and Management
May 2021 | Cairo, Egypt

Ground Water & Well Drilling Certification

Desert Research Center
May 2010 | Cairo, Egypt

Personality and Career Change Program (PCCP)

Suez Canal University
Nov 2008 – Dec 2008 | Ismailia, Egypt

Summer Training Programs

- Agiba Petroleum Company (Exploration Division) – Aug 2007 | Cairo, Egypt
 - Nuclear Materials Authority (Exploration Department) – Jul 2007 | Cairo, Egypt
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Technical Skills

MS Office Suite, AutoCAD, Surfer, Photoshop

Languages

Arabic – Native

English – B1 Level

Interests

Swimming, Reading, Football