

Asem Ayed Mohammed Elmahdi

HSE Specialist

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Personal Details:

Nationality: Sudanese • **Gender:** Male • **Civil Status:** Single • **Place of Birth:** Sudan

With over 10 years of experience in safety management within the construction industry, I specialize in delivering comprehensive training, developing detailed safety and lifting plans, and providing expert guidance to enhance workplace safety. I am highly skilled in identifying potential risks, implementing proactive solutions, and establishing robust procedures to maintain Occupational Health and Safety (OHS) systems while ensuring staff well-being.

My expertise extends to conducting risk assessments, enforcing regulatory compliance, and fostering a strong safety culture through continuous improvement initiatives.

I have successfully designed and implemented safety training programs that reduced workplace accidents by 50%, developed and enforced safety plans that improved compliance by 95%, and led initiatives that enhanced operational efficiency while minimizing hazards.

Through a proactive approach and strong leadership, I drive safety excellence, reduce incidents, and create safer work environments that align with industry best practices and legal standards.

Proven expertise in:

- Operations Management
 - Staff Leadership & Support
 - Health & Safety Auditing
 - Stakeholder Engagement
 - Sustainability Strategies
 - Preparing safety plans
 - Incident Review & Analysis
 - Risk Mitigation & Assessment
 - Environment Protection
 - Compliance Administration
 - Procedures Development
 - Preparing of lifting plans
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PROFESSIONAL EXPERIENCE

1. Alayuni Investment and Contracting Co NEOM SAUDI ARABIA | Jan 2024 to till date

Project : Half Ring Road WO-47,48,49,50 Road projects Regional Infrastructor

Client : NEOM.

Consultant: Bechtel

Project : Construction of Interchange 4 & 6 Road projects Regional Infrastructor

Client : NEOM.

Consultant: Bechtel

HSE Manager

- Drive a proactive, best-in-class HSE culture and performance by developing strategies to address key HSE risks, ensure regulatory and customer compliance, and enhance personal safety, driving, and environmental performance.
- Lead and oversee the development, review, implementation, and overall governance of the HSE

- Management System, including policies, procedures, training, audits, and reporting requirements.
- Work closely with the Client NEOM and PMC AECOM representative and Senior Leadership team to drive the implementation of industry-leading HSE tools, programs and initiatives, and establish action plans to achieve HSE objectives and targets.
- Collaborate with management to plan and implement a safety protocol budget.
- Oversee the operations of the project and identify opportunities to improve the safety regulations.
- Perform safety audits and physically inspect all work areas and jobsites to identify possible safety issues.
- Conduct risk assessments to minimize workplace accidents, occupational illnesses, or long-term health hazards.
- Prepare monthly or annual safety reports and present the information to management.

2. ESNAD CONTRACTING COMPANY NEOM SAUDI ARABIA|May 2023 to Jan 2024

Project : Temporary Bridge for Um Alhasani island (Sindalah Island).
Client : NEOM.
Consultant: AECOM

HSE Deputy Safety Manager

- Drive a proactive, best-in-class HSE culture and performance by developing strategies to address key HSE risks, ensure regulatory and customer compliance, and enhance personal safety, driving, and environmental performance.
- Lead and oversee the development, review, implementation, and overall governance of the HSE Management System, including policies, procedures, training, audits, and reporting requirements.
- Work closely with the Client NEOM and PMC AECOM representative and Senior Leadership team to drive the implementation of industry-leading HSE tools, programs and initiatives, and establish action plans to achieve HSE objectives and targets.
- Collaborate with management to plan and implement a safety protocol budget.
- Oversee the operations of the project and identify opportunities to improve the safety regulations.
- Perform safety audits and physically inspect all work areas and jobsites to identify possible safety issues.
- Conduct risk assessments to minimize workplace accidents, occupational illnesses, or long-term health hazards.
- Prepare monthly or annual safety reports and present the information to management.
- Lead investigations of HSE-related and driving incidents (including near misses and close calls) to identify root cause(s) and implementation of effective corrective/preventive actions.
- Engage with the Clients, Contractors and Stakeholders to ensure the projects are delivered using best global practices around Health, Safety and Environment
- Promote a positive and best-in-class health, safety and well-being culture
- Responsible for managing and improving the HSE Management System in accordance with ISO 45001 and 14001 to maintain our accreditation and ensure compliance with all global and regional legislative requirements.
- Continuously challenge and review our HSE management practices to ensure our Business Management Systems reflect the needs of our stakeholders and the HSE ways of working are best designed for impact and application by our business.
- Develop and deliver health, safety, environment and well-being strategies for the project, including a clear focus on the needs of our people and our clients in the delivery of premier health and safety services.

3. MOBCO Group – TABUK, SAUDI ARABIA | December 2019 to May 2023

Project : NEOM Construction Village 25, Sharma NEOM, Saudi Arabia.
Client : NEOM.
Developer : QANTARA.
Consultant : BECHTEL

HSE Sr.Engineer

Perform hazard evaluations and assessments to ensure compliance with health, safety, security and environment standards or protocols. Lead, train, and support new crew members to assure adequate management, safety, and alignment with the company's core values. Plan, develop, and implement all emergency response plans to avoid potential risks while monitoring, responding, and controlling all HSSE matters. Administer all activities associated with health, safety, environment, security, and emergency throughout the project duration to achieve safe project completion. Formulate and deliver operational reports to relevant experts, functions, and stakeholders in a timely manner.

Key Contributions:

- Led implementation of HSE MS to ensure appropriate staff and resources safety.

Project : NEOM BAY AIRPORT, Sharma NEOM, Saudi Arabia.
Client : NEOM
Consultant :AECOM

HSE Engineer

- Drive a proactive, best-in-class HSE culture and performance by developing strategies to address key HSE risks, ensure regulatory and customer compliance, and enhance personal safety, driving, and environmental performance.
- Lead and oversee the development, review, implementation, and overall governance of the HSE Management System, including policies, procedures, training, audits, and reporting requirements.
- Work closely with the Client NEOM and PMC AECOM representative and Senior Leadership team to drive the implementation of industry-leading HSE tools, programs and initiatives, and establish action plans to achieve HSE objectives and targets.
- Collaborate with management to plan and implement a safety protocol budget.
- Oversee the operations of the project and identify opportunities to improve the safety regulations.
- Perform safety audits and physically inspect all work areas and jobsites to identify possible safety issues.
- Conduct risk assessments to minimize workplace accidents, occupational illnesses, or long-term health hazards.
- Prepare monthly or annual safety reports and present the information to management.
- Lead investigations of HSE-related and driving incidents (including near misses and close calls) to identify root cause(s) and implementation of effective corrective/preventive actions.
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designed for impact and application by our business.

- Develop and deliver health, safety, environment and well-being strategies for the project, including a clear focus on the needs of our people and our clients in the delivery of premier health and safety services.

4. Darfood Company Ltd – Darfoor, Sudan | December 2015 – November 2018

HSE Engineer

Perform conformity with all corporate, federal and local sanitation, food safety, health and safety and environmental requirements whereas role involves the implementation of HACCP programs and will include key responsibilities such as:

- Conduct & regularly review risk assessment for all areas, implement site specific control measures to minimize hazards
- Ensure that the EHS management system is established, implemented and maintained in accordance with ISO 14001, ISO 22000 and OHSAS 18001 standards requirements
- Provide the top management with the necessary reports on the HSE management system established within the property along with recommendations for improvement.
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- Provide the top management with the necessary reports on the HSE management system established within the property along with recommendations for improvement
- Monitor / identify relevant changes in HSE / HACCP local regulations and laws and update the internal procedures, policies and forms accordingly
- Drive improvement and track goals achievement through collection, analysis and communication of HSE goals and measurements
- Communicate Darfood company specific emergency management plans to address course of actions in case of an emergency
- Ensure that the employees are trained on the basic HSE awareness training identified for their departmental operations.

5. ATBARA Cement Factory – Atbara – Sudan | March 2013 - October 2015

HSE Engineer

Planned and conducted daily inspections, hazard hunts/assessments, and on-site audits to ensure alignment or compliance with defined standards and requirements. Attended operational meetings to inform relevant HSE action items, including other management ordered directives and responsibilities. Determined areas for concern and provided improvement recommendation while monitoring site conditions, practices, and procedures for compliance with health and safety regulations.

Key Contribution:

- Promoted a culture of safety through job site training or workshops and positive reinforcement of safe behavior.

EDUCATION & CREDENTIALS

- **Electrical and Electronics Engineering from Nile valley University of Science & Technology.**
- **NVQ International Diploma in Safety Engineering IDSE Level 7.**
- **Lead Auditor IRCA certified "ISO 45001: 2018".**
- **NEBOSH International General Certificate (IGC) with CREDIT.**
- **Occupational Safety & Health Advanced Diploma (NASP).**
- **Lifting and Rigging Competent Person (NASP).**
- **IOSH Managing Safely.**
- **Scaffold Training Institute – Scaffolding competent person / Inspector**
- **OSHA 30 HRS. Certificate in (General Industry & Construction).**
- **Basic First Aid Course**
- **BLS CPR (Adult /Child /Infant)**
- **Risk Assessment and Hazard Identification.
Effective Communication Skills.**
- **Modern Managerial & Supervisory Skills.
Investigation incident.**

soft skills

- **Aconex platform**
- **AutoCAD.**
- **Enablon (NEOM Health Safety and Environmental Dashboard).**
- **Microsoft Power BI for data Visualization.**
- **Microsoft Excel.**
- **Microsoft Word.**
- **Microsoft Power Point.**
- **Enablon (NEOM Health Safety and Environmental Dashboard).**
- **Aconex platform**