

Mussab MohammedSalih Nasr Mohammed

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Senior Mechanical/Piping Engineer | Projects Engineer

A qualified and dedicated **Mechanical/Piping Engineer** holding a Bachelor's (honors) degree with 12+ years' experience in oil and gas sector Deft in designing, engineering, equipment layout and installation/commissioning for (on-shore) EPCC projects. Now seeks to utilize acquired skills/experience to drive initiatives through opportunities for comprehensive growth.

Profile Highlights

Core Competencies

Construction Management

Piping Design/Piping Engineering

Project Planning/Management

Cost Reduction & Budgeting

Risk Management

Quality Assurance &Control

Regulatory Compliance

Subcontractor Management

Evaluation & Assessment

Process Improvement

Team/People Management

- **Project Planning & Monitoring:** Demonstrated ability in tendering for new projects, Conceptual Designing, FEED Projects, Detailed Engineering, construction and commissioning, strategic project planning, developing schedules, control resource planning & management, effective budgeting & analysis, executing earned value progress measurement, cost reduction, documentation analysis & report generation; detailed knowledge & understanding of engineering standards, procedures & the international standards, API, ASME, ASTM, ANSI and NFPA.
- **Project Coordination:** Prowess in Mechanical, Piping and Pipeline in On-shore EPCC and Real Estate construction MEP (Fire Protection). Rich experience in working on wide range of projects - both grass root design & integration with existing system-covering Conceptual/Feasibility studies, Feed, Basic & Front-End engineering, Detail engineering & the Construction phase of the project.
- **Contract Management:** Proficiency in risk management; develop & implement claims & as per contract management, checking of Bill of Quantities (BOQs) & Bulk Material Take-Offs (MTOs).
- **Team Leader:** Field & site leadership, with capability to evaluate & assess, work with diverse team store solve project issues, while meeting deadlines & budgets. Guide and manage a team of Engineers and Designers.
- **Organizational Experience:** Solution oriented with capability to work under pressure and never miss deadlines; skills set in change management; possess relationship building qualities to engage in stakeholder management, organizational skills with priority to carry out jobs with high accuracy; Knowledge & understanding of HSEQ norms.

Professional Experience

Centroid Technical Services Co. Ltd.

Since April 2019

Senior Mechanical & Piping Engineer

Responsibilities:

- Take part in the detailed engineering for mechanical/piping activities.
- Review the Inter-Disciplinary Check (IDC) of mechanical/piping deliverables (Data sheets, Specifications, MRs).
- Review the piping Material Take-Offs (MTOs).
- Review the P&ID, PFD, UFD drawings, etc.
- Review the piping Stress Analysis Report.
- Review the Hydrostatic Calculation Report.
- Review the Welding procedure, inspection and testing activities.
- Review the Technical Bid Evaluation (TBE).
- Review Vendor drawings/documents.

- Attending of the weekly/monthly meetings with client and contractors.
- Attending the project HAZOP.
- Attending the construction activities at site.
- Attending the pre-commissioning & commissioning activities.
- Review the as-built drawings, final documentation and close-out report.

Other Experience | Projects Handled

Time Period	Company	Employer(s)	Project	Client	Job Duties
18 th Mar 2017 01 st Oct 2018	Emirates Fire Fighting Equipment Factory LLC. (FIREX)	-	-	-	Mechanical & Piping Site Engineer
21 st Aug 2016 - 21 st Nov 2016	3A CRYOGENIC FZE	-	-	Chart Industries Inc. USA, Flow instrument GmbH, GCE, Data Online THERMAX Inc. USA	Technical Services Specialist Mechanical Engineer
20 th Sept 2013 - 20 th Feb 2016	Ministry of Interior	Police Force (HQ). General Administrate for Projects & Engineering Affairs	Integrated Intelligence Service Complex – BAHRI	Technical Committee (Project Management & Coordination Team)	MEP Site Engineer
17 th Apr 2011 - 18 th Sept 2013	SUDAPET Co. Ltd.	Creative Solutions Company (One of SUDAPET Subsidiaries Provision of Engineering Services)	Preservation Procedure for PDOC's CPF & FPF (Central & Field Processing Facility) after Shut-down	PETRODAR Operating Company	Mechanical & Piping Design Engineer
1 st Aug 2009 - 31 st Dec 2010	SUDAPET Co. Ltd.	ASAWER Oil & Gas Company. (One of SUDAPET Subsidiaries Provision of Engineering, Procurement, Construction and Commissioning (EPCC) Services)	PHASE-III - Upstream Surface Facilities Project- Engineering, Procurement, Construction and Commissioning (EPCC) of KEYI Field Production Facilities (FPF) Project	Petro Energy E&P Co. LTD.	Mechanical & Piping Engineer
20 th Feb 2008 - 1 st Feb 2009	Ministry of Petroleum	Ministry of Petroleum Project Coordinating Team (PCT)	MELUT Basin Oil Development Project GUMMRY Field Production Facility (FPF) and Operation Base Camp (OBC) Project	PETRODAR Operating Company (PDOC)	Mechanical Engineer
1 st Dec 2005 -1 st Mar 2008	GENEREX for Energy & Investment Co. Ltd.	-	-	-	Sales Engineer

Educational Credentials

- **Bachelor of Science (B.Sc.) in the Mechanical Engineering, (Production),** Sudan University of Science & Technology, Sudan, Khartoum (2006)

Accreditations/Training/Seminars

Institute/ Training Center	Course Name	Duration
EXEMPLAR Centre for Engineering Training & Career Development, Khartoum	<ul style="list-style-type: none"> • Air-Conditioning Systems & Design • Fire Alarm & Fire Fighting Systems 	7 th – 17 th Dec 2015 10 th – 18 th Nov 2015
American Institute of Professional Studies	HSE Certified Officer	28 th Nov – 3 rd Dec 2015
ASAWER Oil & Gas Co. Office, Khartoum	<ul style="list-style-type: none"> • Awareness of Integrated Management Systems (IMS), ISO9000: 2008, ISO14000: 2004, OHSAS18000: 2007 • ISO9001: 2008 Quality Management System Requirement & Documentation • Basic Management & Project Management 	8 th -12 th Apr 2012 19 th -22 th Jul 2010 17 th Oct -17 th Nov 2009
ENPPI (Engineering for the Petroleum and Process Industries), Cairo-Egypt	<ul style="list-style-type: none"> • Fire Protection Systems • Valves Technology, Selection & Inspection • Corrosion Control Techniques & Material Selection • Piping Dynamic Analysis • Piping Stress Analysis • Piping Design & Fabrication • Specification for Piping Components • Introductory Module to the Oil & Gas Industry 	2 nd Jan - 14 th Apr 2011
Petroleum Training Centre (PTC)	<ul style="list-style-type: none"> • Contracts Management • Management & Organization • Managerial Economics • Technical Report Writing • Project Management 	26 th - 6 th Aug 2009
Khartoum Refinery Co. (KRC)	Technical Training	17 th Aug - 17 th Sept 2009
AZZA Aircraft Maintenance & Workshop Centre, Khartoum	<ul style="list-style-type: none"> • 120 Hours Radiography • 40 Hours Penetrate • 40 Hours Magnetic Particle • 80 Hours Eddy Current • 80 Hours Ultrasonic 	19 th Feb - 20 th Apr 2007
BRIEF the Training Centre, Khartoum	<ul style="list-style-type: none"> • Pumps (Selection, Operation and Maintenance) • Pumps (Selection, Operation and Maintenance) • Hydraulic Circuits (Basics and Application) 	5 th -31 th Aug 2006
KENANA Sugar Co., Khartoum	Technical Training	September 2004
Pipeline Engineering & Supply Co. Ltd., Khartoum	Pipeline Pigging & Flow Assurance	30 th Mar 2010
ALKHATWA ALZAKEIA CENTRE for Training and Development of Human Resources	Diploma in Neuro-Linguistic Programming (NLP)	23 rd Aug - 23 rd Sept 2012

Professional Affiliations

- **Specialist Engineer** -Sudan Engineering Council, Sudan - Enrollment No.: (EC/ER/SE/2793)
- **Member Engineer** - Society of Engineers, UAE - Affiliation No. :(45276)

Personal Dossier

- **Date of Birth** : 23rd May 1983
- **Languages Known** : Arabic & English
- **Computer Literacy** : MS Office (Word, Excel, PowerPoint & Outlook)
- **Nationality** : Sudanese
- **Passport Details** : P01481457, (Valid up to 30th Nov 2019)

References are available upon request