

Abdulgadir Mohammed Adam

Senior Mechanical Engineer

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Address

Sudan, Khartoum, Karrari

Education

2005-2010

Mechanical Engineering

Sudan University of Science and Technology

2020

HDip- Master Of Engineering Management

University Of Khartoum

Experienced Mechanical Design Engineer with a demonstrated history of working in the oil & energy industry. Previous experience in maintenance of heavy machinery . Skilled in FEED, Conceptual Design or Feasibility Study with aid of AutoCAD,Cadworx, Ceasar II, PV Elite, Pipesim , SolidWorks, Engineering, and Project Engineering. Strong engineering professional in operation and maintenance.

Experience

January 2017 - Present (5 years 9 months)

SUDAPET Co. Ltd - Sudan

Snr. Mechanical and Piping Engineer

- Perform design, sizing and selection of pipeline and mechanical equipment (Static and Rotating) according to requirements.
- Perform design of piping and pipeline in engineering studies and projects.
- Designing and sizing with the aid of computer based design software such as CADWORx, CEASAR II, PV ELITE, PIPESIM, Autocad and Solidworks to facilitate design works.
- Design review to ensure that the design, manufacture and testing of mechanical equipment and piping are suitable to meet process requirement.
- Participate in physical inspection of piping and mechanical equipment
- Prepare and Review PFD and P&ID drawings, documents and data sheets to ensure they are adequate to meet standards.
- Participate in operating companies asset integrity activities.
- Participate in HAZOPs and design review for all facilities.
- Review and analyze data of facilities and production parameters to recommend solutions for the existing problems.
- participate in calibration of metering systems and OPCOs inventory checks

October 2013 - January 2017 (3 years 4 months)

Sudan Rail ways Corp. - Sudan

Mechanical Engineer

- Perform diagnosis and repair for locomotive main engine.
- Perform diagnosis and repair for locomotive air compressors.
- Perform diagnosis and repair for locomotive auxiliary systems.
- Apply the scheduled service and inspection on the locomotives.
- Analyze the faults and prepare scheduled service reports.
- Organize workshop work. - Supervise over 30 workers.

June 2012 - September 2013 (1 year 4 months)

Alasaad Steel Factory

CNC engineer

- Design the parts on CAD softwares (Solidworks and Autocad) and generate the machining codes of it.
- Operate the CNC turning, notching and marker machine.
- Operate the CNC milling machine.
- Maintain and troubleshoot the CNC machines.
- Schedule the work of the CNC department.

Professional Courses

- Natural & Shale Gas Fundamentals technologies and Economics, Texas A&M Engineering Experiment Station- Qatar, 2021.
- Flow Assurance & Modeling using OLGA- Middle East For Training and Consultation, Egypt, 2022.
- API 570 preparation Course , EcoMan Training Center, Khartoum , 2021.
- Piping engineering and design, at GESCO training center, Egypt, Cairo, September 2018.
- Business Analysis Preparation Course, ROYAL Center, Sudan, 2022.
- NEBOSH International General Certificate (IGC1),2020.
- NEBOSH IDip- H&S - ID1 & ID3, 2022.
- Cyclic Steam System at PTC-Sudan- July 2017.
- Problem Solving Skills at PTC- Sudan – May 2017.
- CNC Programming using mastercam software at Central Institute of Tool Design, Hyderabad, India, January 2016.
- Mechatronics course at Central Institute of Tool Design, Hyderabad, India. January 2016.
- Electric motor troubleshooting and PLC course at the Petroleum Technical Center (PTC), Khartoum, Sudan, November 2014.
- Training of the operation and maintenance of the CKD8S & CK2S locomotives at Beijing Feb 7th Railway Transportation Equipment Co. (CNR), China, Beijing, 2014.
- Lubrication course at the Petroleum Technical Center (PTC), Khartoum, Sudan ,June 2014
- Mechanical maintenance training at Diesel Heavy Equipment (JCB), Khartoum, Sudan from 1st of April 2012 to 30th of May 2012.

Reference

Mutasim Elrasheed

Engineering & Facilities Manager,
Sudapet

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