



ELSIDDIG ABDELAZIM BABIKER AHMED

MECHANICAL PRODUCTION ENGINEER

PHONE
0096892086603

EMAIL
Sidazeem84@gmail.com

ADDRESS
Madinat Al Sultan Qaboos,
Muscat, Oman

LINKEDIN PROFILE

[linkedin.com/in/elsiddig-ahmed-2b24341a7](https://www.linkedin.com/in/elsiddig-ahmed-2b24341a7)

EDUCATION

- Bachelor of Engineering,
Mechanical Engineering - 2007

Sudan University of Science and
Technology - Khartoum, Sudan

- Master of Science in Mechanical
Engineering (Production) - 2014

Sudan University of Science and
Technology - Khartoum, Sudan

SKILLS

- Technical Planning
- Project Management
- Production Planning
- Cost Estimates
- System Simulation
- Project Coordination
- Equipment Selection
- Process Improvement
- Manufacturing Processes
- Engineering Principles
- Schedule Control
- Equipment Operation
- Strategic Planning
- Quality Assurance

LANGUAGES

- Arabic - Native
- English - Proficient

PROFILE

Dynamic and dedicated Industrial Valuation Manager with a profound commitment to fostering company growth through a solid engineering background and exemplary communication skills. Possessing extensive professional experience, I excel in working autonomously while also being a collaborative team player, consistently striving towards achieving organizational objectives. My expertise spans diverse sectors including valuation engineering, mechanical engineering, academia, industrial management, and entrepreneurial ventures, demonstrating adaptability and proficiency across various domains.

WORK EXPERIENCE

Industrial Valuation Engineer

ANO Consultancy | Sudan | Aug 2016 – Jan 2024

- Managed multiple valuation projects for major financing entities, conducting comprehensive remaining life studies, purchase price allocations, and machinery and equipment-based lending analyses.
- Specialized in conducting equipment and machinery valuations across diverse industries, supporting financing entities in secured loan and leasing decisions.
- Produced technical reports on machinery and equipment to reduce breakdowns and enhance performance and efficiency.
- Optimized production plans in factories to maximize profitability.
- Delivered feasibility studies and recommended key improvement actions for products and services.
- Collaborated with companies to develop and implement quality improvement initiatives.
- Conducted failure analysis investigations and recommended corrective actions to prevent recurrence.
- Reviewed processes and procedures to ensure compliance with quality management requirements.
- Facilitated onboarding of new staff through mentoring and training, also providing educational guidance to college students pursuing careers in this field.

KEY PROJECTS AND ACHIEVEMENTS

- **Designed and manufactured a unit that produces biodiesel - Bachelor Degree Project - 2007**
 1. Design, fabrication and testing of a wind turbine spindle prototype.
 2. Programmed a programmable logic controller to govern the rotational velocity of the spindle.
 3. Tested the output of the spindle and the performance was above 70%.
- **Designed and manufactured control system to govern the rotational speed of main wind turbine spindle - Senior Design Project for Master's Degree - 2014**
 1. Design, fabrication and testing of a biodiesel reactor.
 2. Tested the output of the biodiesel and the performance was above 90%.

REFERENCES

Available upon request

Mechanical Engineering Lecturer

Sudan University of Science & Technology | Sudan | Aug 2016 – Present

- Teaching for the Mechanical Engineering Bachelor and Diploma degrees
- Passionate lecturer putting 200% work into preparing students to become the best mechanical engineers in order to support Sudan's economic growth
- Deliver classes on Mechanical Principles, Mechanics of Materials, Operation Research, Work Study & Ergonomics, Statistics and Dynamics, Engineering Economy, Production Management Control, and Quality Improvements.
- Supervise students' graduation projects.
- Lead workshop on technical depreciation.
- Responsible for the overall school administration.

Industrial Manager

Bin-Shihon Contracting | KSA | May 2010 - Nov 2011

- Responsible for the plant productivity strategies to deliver the best output to support the company goal of the leadership position:
- Responsible for developing budgets, sales, and manpower forecasts for the Batching Plant and Concrete Products Factory.
- In charge of installing and implementing the Batching Plant and Concrete Products Factory.
- Managed the full operation of two plants by running a feasibility study for both plants. Increased plant production by establishing a standard operation procedure and system. Ran cost-efficient operations by traveling to China to select machines and equipment for both factories. Ensure maximum production by running the concrete product factory and operating the batching plant.

Managing Partner

Aldafry Trading Business | Sudan | Dec 2007 – Present

- Executed feasibility studies for public and private projects (Sesame, Solar Water Pumping, Agriculture Projects, Institutes, Steel Cutting Factory, Kesra Factory, and Paper Factory).
- Managed the car workshop.
- Managed Client Relationships: expand the company's reach and volume by acquiring new contracts with companies and developing ongoing ones.