

TEMBA MASHABE

Mechanical & Energy Engineer

PERSONAL SUMMARY

A competent Mechanical & Energy Engineer with comprehensive knowledge of mechanical engineering input to design, project management, modifications, and maintenance, or evaluation of mechanical & energy projects to reduce costs and improve efficiency during designing, building, or remodeling stages of construction. Performance awareness of various machines lines to required specifications, focusing on quality, sustainability, reliability, safety and economy. Temba aspires to be the next generation of mechanical & energy engineering professionals by integrating skills, training and development acquired whilst working on real projects.

WORK EXPERIENCE

AT & C Engineers + Contractors – Electrical & Renewable Energy Trainee

03 May 2021 – Present

Enhanced Skills:

- Tendering (Proposals, material list & procurement, installation)
- Conducting Electrical Installations, Repair, and System Testing.
- Conducting Mechanical assembly utilizing power and manual tools.
- Safety, Health and Environmental Compliance.
- Supporting Project controls and Work supervision.
- Coordinating effective evaluation and improvement initiatives.

Department of Energy - Mechanical & Energy Engineer Trainee

14 May 2018 – 26 October 2018

Enhanced Skills:

- Carrying out Energy Audits of government buildings.
- Documents review and commenting to Projects team on new facilities.
- Technical investigations, studies, problem review, engineering evaluations, and recommendations for mechanical works.
- Development and implementation of policies, standards and procedures for mechanical and technical work.

KEY SKILLS AND COMPETENCIES

- Extensive knowledge of industry best mechanical & energy engineering practice.
- Critical thinking, social perceptiveness, good judgement and decision making.
- Ability to management time, materials, financial and personnel resources.
- Operations analysis, systems analysis, and systems evaluation.
- Ability to conduct routine maintenance functions including troubleshooting, diagnostics, repair, and maintenance reliability.
- Ability to conduct failure analysis and make recommendations to prevent recurrence, improve efficiency & performance of various machine lines.
- Ability to monitor and analyze energy consumption data to achieve more energy efficient operations.
- Extensive knowledge of maintenance management systems.
- Working knowledge of competencies as defined in ISO 14001 & OHSAS 18001.
- Manual dexterity and prowess in mechanical/electrical components installation.

ACADEMIC QUALIFICATIONS

Botswana International University of Science and Technology 2014 – 2019

Bachelor of Engineering (BEng), Mechanical & Energy Engineering

- Grade Point Average: 4.05 CGPA on a scale of 5.00.

Mmadinare Senior Secondary School

2012 – 2013

Botswana General Certificate of Secondary Education (BGCSE)

- 44 out of 48 points.

PERSONAL DETAILS

Temba Mashabe

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Telephone: (+267) 71667190

Mobile: (+267) 74367486

Date of Birth: 01 August 1995

Driving license: Yes, class B

Nationality: Botswana

AREAS OF EXPERTISE

- *Reliability & Maintenance*
- *Energy Efficiency & Management*
- *Project Effectiveness*
- *Condition Monitoring*
- *Technical Excellence & Innovation*
- *Business Optimization*
- *Pneumatics & Hydraulics*

PERSONAL SKILLS

- *Communication & Reporting*
- *Persistence & Determination*
- *Planning & Organizational Agility*
- *Team work, Embrace Diversity*
- *Compliance & Integrity*
- *Dependability & Leadership*

SOFTWARE

- *Microsoft package (Word, Excel, Access, and Microsoft Project).*
- *Modeling & Simulation (ANSYS Fluent, SolidWorks, MATLAB and AutoCAD).*

REFERENCES

Mr. Tendai Mugoni, Energy Engineer.

Department of Energy

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Dr. Vivekanandhan Chinnasamy, Lecture.

Botswana International University of Science and Technology

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