**Contact**

+254 720745001 (Home)

[sang.japheth@gmail.com](mailto:sang.japheth@gmail.com)

[www.linkedin.com/in/japheth-](https://www.linkedin.com/in/japheth-sang-6b710642?jobid=1234&amp;lipi=urn%3Ali%3Apage%3Ad_jobs_easyapply_pdfgenresume%3BNlTRjZWIRKuydiyEegH%2B9w%3D%3D&amp;licu=urn%3Ali%3Acontrol%3Ad_jobs_easyapply_pdfgenresume-v02_profile) [sang-6b710642 (LinkedIn)](https://www.linkedin.com/in/japheth-sang-6b710642?jobid=1234&amp;lipi=urn%3Ali%3Apage%3Ad_jobs_easyapply_pdfgenresume%3BNlTRjZWIRKuydiyEegH%2B9w%3D%3D&amp;licu=urn%3Ali%3Acontrol%3Ad_jobs_easyapply_pdfgenresume-v02_profile)

**Top Skills**

Troubleshooting

Mechanical design and equipment installations

Drafting Standards and Geometric, Dimension, & Tolerance

Problem solving

Microsoft Excel

Microsoft Office Project Planning

AUTOCAD

**Languages**

English

Swahili

**Certifications**

QMS ISO 9001:2015 Implementation course.

ISO 17025:2017 LMS Implementation

**Japheth Sang**

## Engineering Analyst Kenya Bureau of Standards, Energy expert.

**Summary**

A skilled Mechanical & Energy Engineer with a hands-on approach to tackling projects and accomplishing goals, highly motivated with a strong technical background in load estimating, energy and cost modeling, equipment sizing and the ongoing measurement and verification (M&V) of energy savings post installation.

Experience in maintaining all aspects of the laboratory’s quality system in accordance with the Quality Manual and the laboratory’s accreditation to the relevant ISO standard e.g. ISO 17025, IEC CB Scheme and OHS requirements.

Interested in energy intensive building services infrastructure including HVAC (chillers, cooling towers, boilers, pumps, air handling systems, fans), lighting and Building Management Systems, and has the ability to communicate effectively and be able to build strong relationships at all levels internally and within customer organizations.

**Experience**

Kenya Bureau of Standards (KEBS)

### Engineering Analyst

July 2017 - Present

**Popo road South C Nairobi.**

Providing subject matter expertise and advice to Standards Technical Committees and working groups. Interpreting test standards / methods and generating reports, documenting and alerting Standard writers on identified errors in the specifications or Standard documents.

Demonstrating the appropriate maintenance and basic trouble shooting requirements, calibrating and verification of test equipment.

Maintaining all aspects of the laboratory’s quality system in accordance with the Quality Manual and the laboratory’s accreditation to the relevant ISO standard e.g. ISO 17025, IEC CB Scheme and OHS requirements.

Mechanical laboratory operations within a commercial environment, according to QMS and Accreditation requirements.

Conducting witness testing for internal and external clients to demonstrate and verify testing processes, proficiency testing for industry benchmark purposes as and when required.

Record and attend to customer issues within the agreed period and follow up on customer queries, complaints at all times.

Analyzing of customer requirements and checking alignment to a KEBS specifications/ standards while providing them advice on interpretation and application the specifications.

Handling technical queries, resolving problems within sphere of control and assisting with technical specifications/requirements to generate quotations.

## Siomo Tea Factory (EPZ)

### Factory Engineer

September 2016 - June 2017 (10 months) Konoin**, Bomet county.**

Planning, directing and coordinating the manufacturing activities in the factory, including the design, construction, modification, performance and maintenance of equipment and machinery.

Day to day tasks including determining standards and policies for installation, modification, quality control, testing, inspection and maintenance, inspecting plant and machinery to ensure optimum performance, directing the maintenance of plant buildings and equipment, scheduling and planning production activities.

Working with other professionals in order to improve production facilities, reduce the incidence of costly breakdowns and developing strategies to improve overall reliability and safety of plant, personnel and production processes.

Observing mechanical devices in operation and listening to their sounds to locate causes of trouble. Testing and adjusting equipment to meet performance specifications. Understanding and ability to implement safe work procedures.

## Kenya Bureau of Standards (KEBS)

### Mechanical Engineering Intern

July 2014 - September 2014 (3 months) **Nairobi.**

Investigated equipment failures to diagnose faulty operation and made appropriate maintenance recommendations.

Discarded and rejected products, materials and equipment that did not meet specifications.

Recorded inspection and test data such as weights, temperatures, grades and quantities inspected and graded.

Collected samples during production and tested randomly to determine in- process product quality.

Monitored production operations for compliance with specifications and promptly reported defects.

Routinely checked measuring equipment to resolve testing problems. Maintained a high standard of workmanship by using only approved data, materials, tools and test equipment.

## Kenya Tea Packers Limited (KETEPA)

### Intern Engineer

July 2012 - September 2012 (3 months) Nairobi.

Gained essential knowledge of mechanical engineering. Assisted machine operators with finished pieces.

Responsible for achieving production requirements.

Made sure that products are produced on time and were of good quality. Monitored product standards and quality-control programmes.

Coordinated procedures for facility and equipment maintenance or modification, including the replacement of machines.

Responsible for the selection and maintenance of equipment.

Reviewed processing schedules and production orders concerning inventory requirements, staffing requirements, work procedures and duty assignments, considering budgetary limitations and time constraints.

# **Education**

## **University of Nairobi**

MSc. Energy Management. · (2018 – 2022)

## **University of Nairobi**

BSc. Mechanical and Manufacturing Engineering · (2010 - 2015)

## **KCA University**

CPA section 1 & 2 · (2009)