

EMMANUEL SESI KUDJOE (formerly known as Emmanuel Kudjoe Ahiator)

Residence: Ghana

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PERSONAL PROFILE

A skilled Quality Control Supervisor with experience in the Steel, Aluminium, and Plastic Industry. I am familiar with maintaining standards in the aluminium, steel and plastic industry by monitoring and testing samples of the output against the specification. I am proficient, results-oriented and quick at learning new procedures with minimal or no supervision. I am open to new opportunities and eager to learn, within or out of my field.

EDUCATION

Kwame Nkrumah University of Science and Technology – Kumasi, Ghana **August 2012 – July 2016**
Department of Materials and Metallurgical Engineering
Bachelor of Science, Metallurgical Engineering

St. Thomas Aquinas Senior High School **September 2007 – June 2011**
General Science, West African Senior School Certificate (WASSCE)

PROFESSIONAL CERTIFICATES

Oil & Gas Industry Operations and Markets Certificate **February 2024**
Duke University- Coursera Online Course

ISO 9001:2015 Quality Management System Foundations **September 2024**
The Knights of Safety Academy

PROFESSIONAL EXPERIENCE

Interplast Limited – Spintex, Ghana **April 2024 – Present**
Quality Control Assistant – Laboratory

- Ensuring that the measurement of quantitative parameters, such as diameter, wall thickness, ovality, weight, and length of PVC and PE pipes conform to company's specifications.
- Performing pressure and impact tests on pressure pipes to determine conformity to specification.
- Performing methylene chloride test on PVC pipes to determine its level of reactivity to chemicals underneath the earth.
- Conducting online inspection of PVC and PE pipes to determine and eliminate defects.
- Performing reversion and thermal test on PVC and PE pipes to conform to company's standard and specification.
- Keeping records and taking corrective actions of every procedure.

Aluworks Limited – Tema, Ghana **September 2016 – May 2022**
Quality Control – Technical Department

- Monitored the processes of aluminium products brought under control by gathering and using data in the Finishing Line Slitting and Embossing Line (SLE).
- Checked gauges during threading until required gauges were obtained. Monitored to identify surface defects and indicated positions on aluminum sheets at the Tension Leveler. Also checked trimming efficiency and detected the presence of burs, and measured actual width to compare with planned width.
- Confirmed dimensions by measuring the gauge and diameter of discs, looked out for surface defects, checked the width and gauge of corrugated sheet randomly to determine conformity to specification

and also checked the profile of corrugation to meet the standard depth of corrugation at the Circle Presses, Circular shears and Corrugating Machine respectively.

- Obtained aluminium samples from melting and holding furnaces, prepared surface of aluminium sample by lathing and prevented the surface of lathed sample from moisture, used the spectrometer for chemical composition analysis of lathed sample, prepared etchant to etch and determined the grain size and defects of cast coils, and also determined the cast coil profile and caster rolls development at the Casting Line.
- Determined the grain size and defect of aluminium disc samples, performed Ultimate Tensile Strength and Bend Test of aluminium samples at the Physical Laboratory.
- Performed solvent rub test, and measured dry film thickness of coated paint on aluminium sheets at the Coil Coating Line.

Rider Steel – Tema, Ghana

June – August, 2014

Quality Control – Internship

- Obtained iron samples from the melting furnace and performed chemical composition test.
- Performed oversight responsibilities in relation to quality control connected functions.

AREAS OF EXPERTISE

- Industrial Material Inspection
- Quality Control

KEY SKILLS

- Meeting objectives timely
- Good Communication skills
- Team player, but good at working independently
- Good supervision skills
- Microsoft Suite: Word, Power Point & Excel

REFERENCES

Mr. Prosper Dzah
Quality Control Coordinator
Interplast Limited
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