



# JAMES NGANGA

Accomplished Project and Engineering Manager with a robust background in Mechanical and Electrical Systems, specialising in renewable energy design and infrastructure project execution. Proven expertise in leading multi-disciplinary teams through the complexities of project development, from conception to commissioning. Demonstrated success in risk and contract management, amplifying financial agility, and fostering sustainable growth through strategic project management and stakeholder engagement. Adept at ensuring project delivery within established timelines and budgets through stringent monitoring protocols and best practices. As a certified PMP, PMI-ACP and PgMP, I am poised to leverage my technical acumen and visionary leadership to propel ambitious projects and drive transformative outcomes in any organization..

## Languages

English



Swahili



## CONTACT

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## Work Experience

### InfraCo Africa | Nairobi Kenya

Asset Manager

Jan.2020 – May.2024

- Supervised asset development, ensuring all construction and engineering activities aligned with strategic goals and financial parameters.
- Cultivated a robust network of industry contacts, bolstering the execution and maintenance of infrastructure initiatives.
- Formulated and managed comprehensive annual operational plans and budgets, incorporating timely exit strategies.
- Identified and addressed potential risks during project stages, ensuring seamless progression.
- Amplified InfraCo Africa's financial agility by orchestrating the sale of equity interests in operational assets, fostering sustainable growth.
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#### Notable Projects:

- **Equity Sale:** Orchestrated the sale of equity interests in operational assets, enhancing investment turnover.

- **Partnerships:** Cultivated pivotal partnerships to mitigate risks during construction and operation phases of infrastructure projects.

## **PowerGen Renewable Energy | Nairobi Kenya**

**Engineering Manager**

Oct.2015 – Dec.2019

- Steered comprehensive project management cycles, encompassing procurement, logistics, manufacturing, installation, and commissioning phases.
- Conducted in-depth analytical assessments, translating complex data into actionable insights for clients and internal teams.
- Crafted and refined client-centric proposals, articulating project value and aligning with stakeholder expectations.
- Elevated project execution standards by instituting a robust analytical framework, enhancing decision-making.
- Installed a 10kW solar peak SMA power system at Northern Kenya in Nariokotome, fully commissioned in December 2015.
- Improved internal team communication during power system design, fabrication, delivery, and installation.

### **NOTABLE PROJECTS**

- **Solar Microgrids and Grid Extensions at Finlay's Tea Estate, Kericho:** Assisted with technical draft proposals; project approved at \$8.2m in September 2017.
- **Grid Extension in Olare, Kiangurwe, and Nkoilale:** Assisted in drafting required letters and approvals from the regulatory body.
- **Logistics Coordination:** Successfully coordinated shipment of over 15 systems around East Africa, reducing company duty payments by 40% by utilising the correct HS code for items and equipment.
- **Engineering Design:** Assisted in drafting required letters and gaining approvals from regulatory bodies for grid extension projects in Olare, Kiangurwe, and Nkoilale.

## **Gamma Delta Consulting Engineers | Nairobi Kenya**

**Senior Design and Supervision Engineer**

May.2013 – Oct.2015

- Collaborated in project meetings, fostering collaboration with stakeholders and exceeding client expectations through precise project deliverables.
- Developed technical designs and ensured precision in AutoCAD drawings, accentuating project specifications.
- Managed procurement processes, from equipment specification scheduling to evaluating bids during public tendering.

- Supervised on-site activities and managed contract preparation and execution.

## NOTABLE PROJECTS

- Treewall Apartment – Project Value KES 950m
- Sodaking Industries– – Project Value KES 1.2B
- GA Insurance Godowns – – Project Value KES 700m
- Kaputei No.7 Town Houses – Project Value KES 190m
- Southcote Apartments – Project Value KES 500m
- Eastfield Apartments – Project Value KES 350m
- Kitisuru House – Project Value KES 75m
- Naivasha Villas – Project Value KES 350m
- Mr.Sheilen House – Project Value KES 30m
- Oshwal Sport Complex Fit Out–Project Value – Project Value KES 30M
- Madaraka Apartments – Project Value KES 600m
- British Army Training Unit Kenya, Nanyuki Mechanical Workshop – Project Value £17M

## Education

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### **Jomo Kenyatta University of Agriculture and Technology | Juja, Kiambu. Kenya**

Jan.2008 – Dec.2012

Mechatronic , Bachelor of Engineering

Graduated with honors, specializing in advanced mechanical and electrical systems integration for Manufacture Technology & Robotics, providing a strong technical foundation for a career in engineering and project management.

## KEY SKILLS

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- **Technical Skills:** Project Management, Renewable Energy, Engineering Design, Risk Management, Budget Planning, Technical Leadership, Financial Oversight, Contract Management, Portfolio Management, Asset Management.
- **Soft Skills:** Leadership, Critical Thinking, Change Management, Technical Writing and Reporting, Business Process Management, Teamwork, Problem-Solving, Work Ethic, Adaptability, Time Management, Communication.
- **Certifications:** PMP (Project Management Professional), PgMP (Programme Management Professional), Certified Solar Technician Level T3, Contract Management

Professional, Certificate in Company Direction (3/4).

## ACCOMPLISHMENTS

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- Certified Solar Technician Level T3 – EPRA Kenya
- Certified Project Management Professional – Project Management Institute
- Asset Management Training – Asset Management Academy UK
- Contract Management Professional Training – National Contract Management Association US
- Certificate in Company Direction (3/4) – Institute of Directors UK

### Professional Development:

- Leading in Finance | Harvard Business School, 2023
- Various Certifications and Courses | Udemy Academy (Python Essentials, Grant Professional Certification, PMI-ACP, Corporate, Investment and Project Finance, Programme Management Professional, Grant Writing, Financial Modelling and Manager Course, Machine Learning and AI).