

MADRIN WANJIRU MAINA

Telephone: +254737484882

Email: madrinmaina@gmail.com

ABOUT ME

A highly resourceful and focused **Manager** with exceptional project management capabilities with over 10 years' experience as an **Engineer** and **Operations Manager**. I am passionate about renewable energy and working on projects that impact rural communities. Seeking a position that will enable me to apply my knowledge and skills in management to solve energy access issues in a green and sustainable manner especially in an organisation with a wide reach to impact as many communities as possible.

SKILLS AND COMPETENCE

Personal skills and attributes

- Strong organizational and interpersonal skills.
- Excellent communication and networking skills.
- Proven leadership skills with the ability to motivate.
- Excellent listening and interpretation skills.
- Ability to pay attention to detail and report accurately and timely.
- Ability to work independently and think innovatively.
- Exceptionally organized and resourceful.
- Fluent in spoken and written English and Kiswahili.
- Strong numerical and analytical skills.
- Team player with an excellent work ethic.

Areas of expertise

- Project management
- Project reporting especially donor funded projects
- Business development
- Relationship management
- Procurement, logistics and warehousing.
- Budgeting in relation to projects
- Structural engineering

WORK EXPERIENCE

Dec 2018 - Present: Sistema Biobolsa / Sistema. Bio

Sistema.bio is a company that works with small holder farmers to address challenges of poverty, food security and climate change by offering biogas solutions for biogas and biofertilizer.

Position: Technical Operations Manager – East Africa

Duties:

- Co-develop, implement, monitor and evaluate annual planning, budgets, strategies and KPIs for the technical operations and R&D teams.
- Oversee donor funded projects through implementation and reporting at every phase.
- Manage local procurement, logistics and inventory of products, tools and assets.
- Oversee and optimize planning of technical activities.
- Monitor, evaluate, improve, and train on data collection.
- Manage training schedules for the team and ensure timely training.
- Manage all HR-related topics of the Technical Operations team.
- Build, drive, train and manage the new departments of Agronomy, R&D-Engineering.
- Offer technical support and organize trainings to business partners in Uganda, Rwanda, and South Sudan.

Mar 2017 - Aug 2018: Powerhive East Africa Limited

Powerhive provides access to productive, affordable, and reliable mini-grid electricity for rural homes and businesses in Kenya.

Position: Construction Manager

Duties:

- Oversaw design and approval of all design elements of the project.
- Ensured the project and the contractor had all the necessary approvals as per government regulations.
- Formulation of project plan and tracking of the same during construction.
- Supervised construction works to ensure quality and safety.
- Budget tracking as construction progresses.
- Tracked material used to ensure new orders were placed in time.
- Prepared as – built drawings upon completion of work.
- Came up with a construction methods handbook to be followed on all sites for civil and structural works.
- Supervised connection of two thousand, four hundred and twenty-six (2426) customers in rural areas to off grid solar power through distribution and service networks and construction of fifteen (15) 10kW solar powered generation stations.
- Prepared handover reports for all the sites from the construction team to maintenance team.
- Prepared weekly and monthly reports on work progress, updated work program updated material requirements.

Aug 2014 - Feb 2017: AMS Properties and Infrastructure

Position: Project Manage

Duties:

- Undertook site surveys during project conceptualization for real estate projects.
- Worked with consultants to ensure optimal designs for projects.
- Prepared budgets for projects once design was complete.
- Ensured all necessary approvals and permits were in order.
- Prepared complete set of documents for presentation to financiers.
- Undertook project supervision, monitoring and budget tracking during implementation.
- Prepared bid documents for distribution to various bidders.

- Undertook evaluation of completed bid documents from various bidders.
- Shifted supervision of subcontractors and procurement of high-end finishing products from the main contractor to the project manager to maintain quality.
- Organized, chaired, and set the agenda for project evaluation and monitoring meetings and dissemination of documents, budgets, minutes and reports.
- Undertook structural design of steel Pylons for high voltage power projects.
- Undertook line Surveys for several power line projects.

Jul 2012 - Jul 2014: Ebatech Engineering Associates Ltd

Position: Structural Engineer

Duties:

- Undertook structural design of all high and low-rise buildings.
- Prepared the AutoCAD drawings and Bar bending schedules.
- Undertook site supervision of projects during construction.
- Attended project meetings as a representative of the structural engineering team.

OTHER SIGNIFICANT ROLES

May 2010 - Jun 2012: TKM Maestro Ltd

Position: Structural Engineer

Apr 2009 - Aug 2009: TKM Maestro Ltd

Position: Intern Structural Engineer

Apr 2008 - Aug 2008: TKM Maestro Ltd

Position: Intern Structural Engineer

EDUCATIONAL BACKGROUND

2005 - 2010: Jomo Kenyatta University of Agriculture and Technology

Bachelor of Science Civil Engineering

PROFESSIONAL MEMBERSHIP

- Registered as Professional Engineer with EBK number A3283
- Registered as a Corporate Member with IEK number M5128

PUBLICATIONS

Kenya Engineer (Magazine by IEK):

How local contractors in Kenya can survive the competition from the international firms.

<http://www.kenyaengineer.co.ke/features/item/3217-how-local-contractors-in-kenyan-can-survive-the-competition-from-the-international-firms>

SPEAKING ENGAGEMENTS

1. Panelist at Clean Cooking Alliance Forum held in Nairobi between 5th and 7th November 2019.

REFERENCE

Andrew Ayuya,
Project Manager
AMS Properties Ltd
Telephone: +254722482586 Email: andrewayuya@gmail.com

Mutua Kathendu
Technical Operations Director,
Powerhive East Africa Ltd.
Telephone: +254 722 540921 Email: mkathendu@gmail.com

Roy Kieti
Project Manager
Powerhive East Africa Ltd
Telephone: +254726610514 Email: roykieti@gmail.com