

DOREEN ORISHABA

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A: PERSONAL PROFILE

An enthusiastic result-oriented Engineer empowered with a well-rounded education and experience in various technology projects; both home and abroad. A proven team leader with good planning, management, and judgement attributes, with a passion to implement and lead in Technology Management, Project Management, Strategy Development and Technology Solutions for Climate Change Management, Sustainable Energy Solutions and Policy Design.

B: KEY SKILLS

- Project Design and Management
- Electric Bus Development and Deployment Advisory
- E-Mobility Infrastructure Design and Advisory (*including electric vehicle charging infrastructure*)
- Strategic Business Development
- Market Analysis & Marketing Strategy Development
- Problem Solving
- Design Thinking
- Feasibility Studies and Proposal Development
- Creative Leadership
- Analytical Skills
- Conceptual and Writing skills
- Adaptability
- Cross Cultural Competency
- Organizational Skills

C: EXPERIENCE/FORMAL EMPLOYMENT RECORD

PERIOD	ORGANIZATION	POSITION AND KEY ACCOMPLISHMENTS
Jan 2022 – Todate	BasiGo Limited, Nairobi, Kenya	<u>Electric Bus Product Manager</u> <ul style="list-style-type: none">• Cross-Functional Project Management for Electric Bus Pilot Operations Launch/Planning• Design and Execution of Validation Testing Program for the K6 Electric Buses, Analysis of data to assess E-Bus performance to inform Pilot Operations Planning and Driver Training
May 2019 - Dec 2021	Consulting/ Independent Contractor	<u>Strategy and Management Consultant</u> <ul style="list-style-type: none">• Independent Contractor offering consultancy and advisory services for businesses and startups including Business Environment Analysis, Customer Strategy, Product Strategy, Operations Strategy, Sourcing Strategy, Financial Modelling• Development of proposals for funding (two in the green mobility space, one for tech-based real estate development)• Professional Design and Editing of books, biographies, blogs, tech articles.
July 2020 – July 2021	Kiira Motors Corporation (KMC), Kampala, Uganda	<u>Business Development Manager</u> <ul style="list-style-type: none">• Project Conceptualisation - Technology Analysis for Electric Vehicle Charging Infrastructure, Specifications and Costing model for charging stations in Greater Kampala Metropolitan Area, Cites, Public Places, Entebbe International Airport, Strategic Tourist Sites• Design of Project Proposal for a Solar EV Charging Station and Energy Resource Center (<i>Design and Technical Description, design of Energy Requirements, Implementation Plan, Equipment Requirements, Budgeting, Financial Projections</i>)• Kiira Motors Commercialisation Strategy – <i>Identification of Commercial Opportunities, Definition of Customer Profile, Product Profile, Commercial Sales Process, Commercial Project Plan and Valuation of the Business Opportunities</i>• Translation of Company Strategic Objectives into actionable team projects• Development of Financial Model for Kiira Motors Vehicle Production Operations (<i>Investment Requirements, Sales and Revenue Projections, Investment Viability Analysis</i>)• Design of Electric Bus Project Bus Roll out plan and routing strategy for the Greater Kampala Metropolitan Area and Designated Cities around Uganda• Core Team - Draft Cabinet Paper and Information Paper on Roadmap for Building the Indigenous Motor Vehicle Industry in Uganda• Review of the National Automotive Industry Development Policy• Contract Management for the pioneer Automotive Industry Advisory Consultancy• Preparation of Statements of Work/Requirements for consultancies for Automotive Industry Advisor and Strategic Plan for Development of the Automotive Industry and Technology Park; Evaluation of Proposals and Support to Procurement Processes• Development of Proposal to University of Michigan Manufacturing and Global Operation Institute, the Tauber Institute for ExecMAP Project Sponsorship on <i>10 Year Strategic Plan for the Automotive Industrial & Technology Park and Supply Chain Localization Strategy</i>• Design of Dashboard for Tracking Key Business Development Engagements• Setting of Company Performance Targets, Monitoring and Reporting – <i>Monthly, Quarterly and Annual</i>• Secretary to Executive Committee on Finance and Investments

July 2018 – June 2020	Kiira Motors Corporation (KMC), Uganda	<p><u>Principal Market Intelligence Analyst</u></p> <ul style="list-style-type: none"> • Electric Bus Pilot Project Management (<i>Managed Product Concept Development, Design Specifications for Two Electric Buses, Design Specifications for Chargers, Requirements Validation, Contract Management of Electric Bus Parts Manufacture, Shipment and Delivery</i>) • Documentation of physical integration of E-Bus parts and systems, Progress Reporting and Issue Identification & Resolution • Development of the Kiira Motors Corporation 6-Year Strategic Plan (<i>highlighting Product Profile, Production Strategy, Implementation Plan, Equipment Requirements, Cost Structures, Financing Model, Risk Management Strategy, Growth Opportunities for KMC</i>) • Development of Proposal for Eco-Bus Pilot to be implemented by Kampala Capital City Authority (<i>Analysis of Mass Mobility Issues in the Greater Kampala Metropolitan Area; Technical Specification for the Solution including Electric Buses, Charging Infrastructure & other Support Infrastructure; Definition of Proposed Kampala City Eco-Bus Public Transport System Quality Attributes; Analysis of Eco-Bus Ownership Models; Bus Ticketing and Revenue Accounting System</i>) • Feasibility Study for Vehicle Assembly and Technology Transfer Partnership between KMC and International Technology Partner (<i>Business Environment Analysis, Market Analysis, Product Profile, Technology Requirements, Financial Model</i>) • Project Definition for Vehicle Assembly & Technology Transfer Partnership Agreement (<i>Target Products, Human Resources, Production Equipment & Technology Transfer Requirements</i>) • Development of Kayoola Buses Product Profile and Pricing Model • 10-Year Production Projections for the Kiira Vehicle Plant • Research to contribute to development of the National Automotive Industry Development Policy • Developed Concept Paper on Greening Urban Bus Transit Systems in Uganda • Researched & produced technical paper on comparison between Electric & Diesel Bus Deployment for Urban Centers in Uganda – <i>with an outlook on environmental, economic and social impact.</i> • Core Team in Development of the Framework Paper for the National Research and Innovation Program to be implemented by the Ministry of Science, Technology and Innovation. Contributed to strategies for mainstreaming climate change • Participated in development of the Uganda National Development Plan III 2020-2025. Contributed to inclusion of strategies for implementation of Nationally Determined Contributions. • Contributed research and strategies during development of the pioneer National Science, Technology and Innovation Sector Development Plan • Secretary to Executive Committee on Finance and Investments – <i>Setting of Meeting Agenda, Action Matrix, Company Monthly Quarterly and Annual Performance Reports & Performance Targets</i>
May 2016 to June 2018	Kiira Motors Corporation (KMC), Uganda	<p><u>Market Intelligence Analyst</u></p> <ul style="list-style-type: none"> • Developed strategies, assessments and proposals that enabled acquisition of \$40 Million Seed Fund for establishment of the Kiira Vehicle Plant (<i>Project Design and Description, Feasibility Study, Cost Structures, Financing Options Analysis, Information Paper to Cabinet</i>) • Operational Viability Assessment of the Kiira Motors Corporation Investment - Implementation Strategy for Mission Vehicles Made in Uganda • Coordination with Ministry of Finance, Planning & Economic Development; Ministry of Trade, Industry and Cooperatives; Ministry of Science, Technology and Innovation; • Lead liaison on negotiations with prospective Automotive Technology Partner • Identification of potential financiers and management of their relationships with KMC • Development of proposals for grant applications for green growth initiatives • Development of formal agreements with partners • Drawing of feasibility studies for projects • Drafting of monthly action matrix and performance reports for Finance and Investments Committee • Judge at the Uganda Science and Technology Innovations Challenge for high school students - 2016 • Co-authored the Book: <i>Tracing the Footsteps for Mission Vehicles Made in Uganda</i>
December 2015 – March 2016	Kiira Motors Corporation, Uganda	<p><u>Ag. Vice President Marketing & Sales</u></p> <ul style="list-style-type: none"> • Launch of the Kayoola Solar Bus by H.E the President of Uganda – Feb. 2016 • Launch of the Kiira Motors Business Case by the Rt. Hon. Prime Minister – Dec. 2015 • Development of Marketing Strategy, Communication Strategy, Planning, coordination and implementation of marketing events and community outreach programs • Oversaw development of company branding, marketing & communication, Media Relations • Team Leader in Microanalysis of the Uganda Commercial Vehicle Market: (<i>Analysis of Commercial Vehicle Applications in Uganda, Vehicle Financing; and Automotive Industry Investment Incentives</i>)

July – Oct. 2015	RLE International & Ford Motor Company Michigan, USA	<u>Intern - Product Development Centre, Ford Motor Company, Dearborn</u> <ul style="list-style-type: none"> Product Development - Utilization of the Ford GPDS – Global Product Development System for new product development covering Target Setting, Engineering Design Progression, Prototype and Production Builds and Launch Readiness; Introduction to Global Ford Production System (FPS) for the seven elements of Manufacturing including safety, quality, delivery, cost, people, maintenance and environment Review of Order to Delivery Process Market Research – Benchmarking and Customer Clinics on Double Pull Latch; Lincoln Continental 2017 eLatch System Marketing Launch Support Things Gone Wrong (TGWs) Analysis of Latching & Security Vehicle Function Groups for Model 2015 Vehicles produced by Ford North America
January 2015 - November 2015	Kiira Motors Corporation (Kiira Electric Vehicle Project, Makerere University)	<u>Quality Engineering Manager</u> <ul style="list-style-type: none"> Evaluation of the Kiira Motors Business Case Consultancy provided by RLE International, USA Developed annual & quarterly project work plans & budgets; regular team progress reports Evaluation of the Environmental Impact Assessment Inception Report for Kiira Vehicle Plant Site Assessment of document quality including project performance reports, MOUs, Contracts Development of team assignment schedules Awarded Individual's <i>Research and Innovation Award</i> – Business Summit Africa – Sept. 2015
July 2012 – December 2014	Kiira Motors Corporation (Center for Research in Transportation Technologies, Makerere University)	<u>Vehicle Electrics & Information Systems Engineer/Project Manager Kayoola Solar Bus</u> <ul style="list-style-type: none"> Led team in the technical specification and design of Vehicle Electrics and Electronics Systems for the 35-seater Kayoola Solar Bus and the Kiira EV SMACK (5-seater hybrid electric sedan) Project Manager for Kayoola Bus Chassis and Frame Development: Supplier Management: Engaged, managed & verified suppliers and sub-contractors during the Kayoola Solar Bus chassis and frame building phases Developed project work plans and budgets; generated regular project and team progress reports Spearheaded Business Environment Analysis for commercial production of the Kiira SMACK Certification in <i>MotoHawk Control Systems Application Development based on Matlab and Simulink</i> at New Eagle LLC, Michigan, USA; and <i>Effective use of Technical & Scientific Information;</i> by the World Intellectual Property Organization (WIPO) Capacity Building: Oriented new recruits and mentored interns Key Note Speaker at numerous youth platforms on innovations awareness & inclusive development Recognized as one of Uganda's 10 Most Outstanding Young Women in Technology (2014)
January 2009 – June 2012	iLabs@Mak Project, Makerere University	<u>Graduate Research Assistant</u> <ul style="list-style-type: none"> Student Project Leader - Development of online/internet laboratories (iLabs) in collaboration with Massachusetts Institute of Technology (MIT) Development of iLabs@Mak Annual and Quarterly Project Work plans and Budgets Developed new experiments & administered internet laboratories/experiments for BSc. Electrical & Telecommunications Engineering courses Capacity Building and Mentorship: Mentored final year student projects; facilitated Internship programs covering LabVIEW Programming, Multisim, Configuration of Interactive iLabs Shared Architecture in collaboration with MIT, USA Appointed Regional Associate Africa, International Association of Online Engineering (IAOE) Organized the pioneer Uganda National Science and Technology Innovations Challenges (STIC) for high school students
April-June 2011	Mildmay Center, Kampala	<u>Research Assistant</u> Organization of counselling sessions, data collection, entry and report presentation while working with 180 target teenagers under the research project to understand teenage behaviour and responsiveness to AIDS control measures.
Aug-Dec 2010	Muehlbauer High Tech International, Roding, Germany	<u>Intern, IT Department</u> Installation, configuration and maintenance of company network Automated turnkey security technology and precision parts manufacturing
March 2010	Massachusetts Institute of Technology (MIT), Cambridge, USA	Trainee Technical Development Workshop <i>Design of a Remote Fiber Optic Communications Lab</i>
June – August 2008	Uganda Electricity Transmission Company Limited (UETCL), Kampala	<u>Intern, Communications Department</u> <ul style="list-style-type: none"> Use of SCADA in Tele-control of National grid Installation, configuration and maintenance of company communication infrastructure (fiber network, radios and antennae, phone network)
D: ACADEMIC QUALIFICATIONS		
INSTITUTE, CITY, COUNTRY		ACCREDITATION
International Institute of Marketing Professionals Toronto, Ontario, Canada		Chartered Certified Marketing Management Professional (2019)

Kettering University, Michigan, USA	Master of Science in Engineering Management <i>Master's Thesis: Vehicle Diagnostics Stoolpigeon: Ideation; Opportunity Assessment; Market Analysis; Design and Development Plan; Marketing and Sales Strategy, Financial Projections and Control Plan</i>	
Makerere University, Kampala, Uganda	Bachelor of Science in Electrical Engineering <i>Dissertation: Design & Implementation of a Remote Fiber Optic Communications Lab using Interactive iLabs Shared Architecture</i>	
Gayaza High School, Kampala, Uganda	Uganda Advanced Certificate of Education Uganda Certificate of Education	
E: CERTIFICATES		
<ul style="list-style-type: none">• PRINCE2 Project Management, APMG International, England• Certificates in Operations Analytics & Customer Analytics, Wharton University of Pennsylvania, Philadelphia, Pennsylvania, USA• Introduction to Automotive Design and Manufacturing, RLE International in conjunction with Product Development Centre, Ford Motor Company, Michigan, USA (July – October 2015)• Certificate in MotoHawk for the Mathworks Matlab/Simulink, New Eagle, Ann Arbor Michigan, USA (2012)• Muehlbauer High Tech International Head Office, Roding, Germany (August – December 2010)		
F: TECHNICAL PAPERS & PUBLICATIONS		
<ul style="list-style-type: none">• <i>Value Proposition of Automotive Manufacturing in Uganda</i>, (Principal Author), Presented Paper at the 21st National Technology Conference (NTC2016), Kampala, Uganda• <i>Development of a Drive Cycle Based Control Strategy for the KIIRA-EV SMACK Hybrid</i>, (Co-Author), Presented at the 17th International Conference on Automotive and Mechanical Engineering, Paris, France, Sep 2015• <i>Kiira EV Project Transition from Student to Professional Team through Project Based Skills Development</i>, (Principal Author), Presented paper at the International Conference on Transportation Engineering & Management, Madrid, Spain, 2014• <i>Implementation of an Online Wavelength Division Multiplexing and Bi-Directional Optic Fiber Link Laboratory</i>, (Principal Author), Presented poster at the International Conference on Information Technology: New Generations (ITNG 2012), Las Vegas, USA,• <i>Design of Bi-Directional Fiber Optic Link and Wavelength Division Multiplexing iLAB</i>, (Principal Author), Paper presented at the International Conference on Remote Engineering and Virtual Instrumentation, Brasov, Romania, 2011• <i>A Remote Direct Sequence Spread Spectrum Communications Lab Utilising the Emona DATEx</i>, (Co-Author), Paper Published in the International Journal of Online Engineering (iJOE), December 2012.		
G: REFEREES		
Mr. Edward Hightower , Managing Director, Motoring Ventures LLC 29155 Northwestern Highway, Southfield, Michigan, USA <i>Tel: +1-248-514-6444</i> <i>E: ehightower@motoringventures.com</i>	Mr. Richard Madanda , Director Product Development, Kiira Motors Corporation, <i>Tel: +256-752-130816</i> <i>Email: rmadanda@gmail.com</i>	Mr. Timothy Mugume , Head of Offline Sales, Jumia Group, Uganda <i>Tel: +256-782-043056</i> <i>Email: mugume256@gmail.com</i>