

Engineer Ndung'u Wakeru, EBK, IEK

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CV

Personal Details

Date of Birth: 5th May, 1981
Marital Status: Married with a Cheerful Boy
Nationality: Kenyan ID No 22214277
Gender: Male
Religion: Christian

Current Status

Meijer Engineers Technical Manager, Design and Operations

Professional Membership

Engineer's Board of Kenya
Institute of Engineers of
Kenya Professional Engineer Number A3051
Corporate Member

Key Career Achievements

Career Objectives

- ✓ To improve safety and economy of structures through innovative designs, construction methods and processes.

Publications

- Journal of Water, Sanitation and Hygiene for Development
Making Rural Water Supply Sustainable: A Revisit of Best Practices
- Enhanced Community-led Management (CoM+) Model for Sustainable Rural WASH Facilities
- What does Human Rights Approach portend for Demand Driven Initiatives
- Masters of Arts Thesis, University of Nairobi, Influence of Participatory Monitoring and Evaluation on Sustainability of Rural Water Facilities
- Numerous articles on MVUA Newsletters, case studies and project reports.

Computer Proficiency		
Moi University		<ul style="list-style-type: none"> ❖ MS Office Suite /Prima Vera ❖ AutoCAD/ArchiCAD
Professional Courses		
Jomo Kenyatta University of Science and Technology (JKUAT)		❖ Environmental Impact Assessment and Audit (EIA&A)
Oxfam GB		❖ Technical Project Management for WASH Engineer
World Vision Kenya		❖ GIS training
Akvo.org		❖ Mobile Phone based Data Collection and Reporting
Academic Background		
Oct 2009 -Dec 2011 University of Nairobi		Masters of Arts (Project Planning and Management); University of Nairobi
Aug 2001 – May 2006 Moi University, Eldoret		Bachelor of Technology (Civil and Structural Engineering) (Hons) <i>Examiner: The Moi University Office of Chief Academics Officer</i>
Outputs		
August 2015 to Present	Engineering Manager, Meijer Engineers	<p>Actively involved in technical and operations management of the medium sized firm. The firm is involved in multiple private and public institution, church and individual projects.</p> <p>Expected to:-</p> <ol style="list-style-type: none"> Develop systems and tools that are used in construction methods control, material quality and site planning and management; Lead a design team in the analysis, design and checking of Steel, Wood, Composites, Large Spans Trusses and Reinforced Concrete Structures and; Lead a supervision team to inspect sites to required standards, Design and Conditions of Approval. Formulate and roll out the business development and client retention strategies; Involved in the hiring, training, mentoring and evaluation of staff to ensure a productive, efficient and effective team that's skilled and engaged. Represent the firm in key meetings with clients, professional bodies and or with stakeholders; <p>The list of current and past projects is attached but</p>

<p>Jan 2010 to July 2015</p>	<p>National Water, Sanitation and Hygiene Co-ordinator, World Vision Kenya</p>	<p>With the direct supervision of WV WASH Director, I was involved in feasibility study, preliminary and detailed design of:-</p> <ol style="list-style-type: none"> 1. Bungale-Marafa Water Project, Kilifi County. 2. Emurrua Dikir Water Project, Narok County. 3. Naoyeragai Water Project, Turkana County. 4. Umoja Oljorai Water Project, Nakuru County. 5. Mtelo Springs Water Project, West Pokot County. 6. Mtito Andei Water Project, Makueni County. 7. Mwala Water Project, Machakosi County. 8. Warehouse and Squash Court, Karen, Nairobi County. 9. Kimiren Gorge Water Project, Makueni County. 10. Kavuthini Water Project, Makueni County. 11. Kwa Matu Water Project, Makueni County. 12. Kwa Mboki Water Project, Makueni County. 13. Kwa Mbondo Water Project, Makueni County. 14. Kwa Mutiso Water Project, Makueni County. 15. Ngulya Water Project, Makueni County. 16. Vaati Water Project, Makueni County. 17. Kwa Mwoki Water Project, Makueni County. 18. Kwa Tala Water Project, Makueni County. 19. Kwa Kavato Water Project, Makueni County. 20. Kwa Kimweli Water Project, Makueni County. 21. Kwa Kitale Water Project, Makueni County. 22. Kwa Mathew Water Project, Makueni County. 23. Kwa Munyao Water Project, Makueni County. 24. Kwa Mutiso Water Project, Makueni County. 25. Kwa Serah Water Project, Makueni County. 26. Kwa Nyowe Water Project, Makueni County. 27. Nduluni Water Project, Makueni County. 28. Itiani Water Project, Makueni County. 29. EIA for nine (9) Earthdams in Kitui County, Kenya. <p>Other responsibilities included but not limited to:</p> <ol style="list-style-type: none"> a) Resource Mobilization: Ensuring quality and timely proposals are developed to World Vision Support Offices, DFID, EU, REEP, USAID/OFDA, Charity Water, BPRM, Government of Germany etc b) Program Reporting: Reviewing and sending program
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		<p>reports to donors and partnerships;</p> <ul style="list-style-type: none"> c) Partnership development: offer leadership in Ministry of Water and Irrigation, WESCOORD and Ministry of Public Health and Sanitation engagement at the national level. Participate in research and documentation, d) Ensure standardized approaches for budget, procurement, personnel planning and monitoring; e) National WASH Strategy formulation and dissemination; f) Review of engineering designs and reports by consultants for major WASH projects. g) Donor Relations: Planning for donor monitoring visits; h) Participate actively in developing WASH Monitoring; Evaluation and learning framework and disseminating; i) Participate in research, documentation and dissemination.
<p>Jan 2010 to Oct 2011</p>	<p>FARM – Africa</p> <p>Project Officer-WASH</p>	<p>Successfully implemented the following in 17 water facilities (Earth Dams: Kitema, Muthingitho, Kavoko; Pans : Mukusya, Nyaani, Nduyuni, Itumbwa, Ikongo and Wiisili; Boreholes: Nzemeini, Matwikuni, Museve, Kivumbuni, Katangini, Wingoo and Kiini Boreholes) under the EU, Jersey Overseas and Innocent Aid funded Kenya Dry land Farming Project (KDFP) in Kitui County. The activities included;</p> <ul style="list-style-type: none"> ✓ Planning and Monitoring using Prima Vera P6; ✓ Design and Detailing using AutoCAD 2010; ✓ Sought approvals from NEMA and WARMA; ✓ Budgeting, developing the BOQ and tender documents using MS Office Suite; ✓ Supervision and quality control through regular visits and; ✓ Compiling Reports as per EC guidelines; ✓ Formation and Training of the water committees on operations, maintenance, management, tariff setting, sanitation by PHAST and/or CHAST approaches. ✓ Developing the project indicators in collaboration with other team members.
<p>July 2008 - Dec 2009</p>	<p>Maven-Tech Consulting Engineers</p>	<p>Involved in design, detailing using AutoCAD 2006, report writing, EIA, contract using MS Office suite and BOQ preparation of water projects structures such as dams,</p>

	(Structural/Water Engineer)	<p>pipelines, storage tanks, irrigation of farms. The projects involved:-</p> <ul style="list-style-type: none"> ✓ Hydrological and geological /geotechnical investigation of the dams and reservoir areas, ✓ Soil surveys and borrow area identification; ✓ Analysis of total water demand; ✓ Design and detailing using AutoCAD; ✓ Contract documents preparation guided by FIDIC; ✓ bill of quantities and estimating costs of the project; ✓ Environmental and social impact assessment of the project and; ✓ Evaluation and assessment of the community training needs.
July 2007 – June 2008	<p>Wright Adams Consultants</p> <p>(Engineering Consultant)</p>	<p>Structural Design and detailing, and NEMA reports for numerous individuals for housing development in Nairobi, Eldoret and Mwingi. These include but not limited to:-</p> <ul style="list-style-type: none"> ✓ Maisonette with Servant Quarters. Thome Estate, Nairobi by Dr. Charles Githinji. ✓ Maisonette with Servant Quarters. Thome Estate, Nairobi by Mr. Francis Maina ✓ Storeys Block of One Bedroom Flats Mukuru kwa Njenga AA, Nairobi by Mr. Charles Momanyi. ✓ Storeys Block of One Bedroom Apartments 1st Avenue Eastleigh Nairobi by Mr. Peter Ruga ✓ Garage for repair of vehicles and a double Storey Cafeteria Langata Road opposite Uhuru Gardens, Nairobi by Mr. Fasbher Thuthi ✓ Repair of Ridgeways Lane Murram Road with proper drainage Ridgeways Estate, Nairobi by Ridgeways Estate Welfare Committee ✓ Warehouse and Squash Court Karen, Nairobi by Mr. R. Gachagua ✓ Two Bedroom Units Tassia, Nairobi by Mr. Njenga Gichuru ✓ Partitioning of Offices, Agip House, Nairobi by Innovative Logics Ltd. ✓ Commercial Development, Kenyatta Road, Thika, Kiambu Pastor Njenga ✓ Residential Development, Kenyatta Road, Thika, Kiambu by Waweru ✓ Commercial Development, Kiganjo, Kiambu Julius Mbugwa ✓ Design, Detailing and NEMA reports for 20 WASH projects in Makindu. Makueni County. Client: Lutheran World Relief; <p>Site Engineer of these projects:-</p> <ul style="list-style-type: none"> ✓ Githunguri Dairy farmers Factory Phase II and III; ✓ 25 X 3 bedroom units development at Parklands, Nairobi; ✓ Mombasa Magongo Kwa Hola KRA Estate Rehabilitation;
September 2006- June 2007	<p>Dickways Construction</p> <p>(Site Engineer)</p>	

		✓ National Bank Building Rehabilitation, Nairobi; ✓ Three Earthdams by the National Water among others.
Referees		
Isaiah Odhiambo NEMA Lead Expert, P.O. Box 23225-00100 Nairobi. Tel: +254 719 753 968	Eng Pius Kipkeino (A2745), Two Rivers Development P.O. Box 46086-00100 Nrb. Tel: +254 (0)722 535799	Jacob Mutemi, Lutheran World Relief - Country Director, P.O. Box 46086-00100 Nrb. Tel: +254 (0)722 535799 Email: jmutemi@lwrearo.org

Proposed Development for Jackline Chepkoech Korir

Structural Design and Supervision of Projects
at the
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	Client	Type of Development	Contact	Email	Plot No.	Sub-County	County
1	KENSALT	Unit 04 Earthdam	Daya	dayaachaya@gmail.com	Solai Farm	Subukia	Nakuru
2	KENSALT	Unit 02 Earthdam	Daya	dayaachaya@gmail.com	Solai Farm	Subukia	Nakuru
3	KENSALT	Babuji Earthdam	Daya	dayaachaya@gmail.com	Solai Farm	Subukia	Nakuru
4	MOLO GREENS	Pan 01	Daya	dayaachaya@gmail.com	Solai Farm	Subukia	Nakuru
5	MOLO GREENS	Pan 02	Daya	dayaachaya@gmail.com	Solai Farm	Subukia	Nakuru
1	Alphonse Mwangi and Janerose Karimi	Development	72154348X		Ngong/Ngong /16815	Ngong	Kajiado
2	Anastacio Mwangi	Commercial Development	72504648X	jkamande59@yahoo.com	Loc II/Maragi/535	Maragua	Muranga
3	Bernard Mungai Wanyoike	Commercial Development	72164070X			Kandara	Muranga
4	Ceasar Kibugi	Commercial Development	70418733X			Kiharu	Muranga
5	David and Eunice Kamau	Commercial Development	72930758X	edmurd@gmail.com	Ruiru/Ruiru East/Block 2/11996	Ruiru	Kiambu

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6	David Kanyi Mureithi	Commercial Development	72930758X	Meijer Engineers	Ruiru Kiu/ Block 2/ 15200/01/02	Ruiru	Kiambu
		Commercial Development			30531/Kapute		
		Commercial Development		waitherupeter	Ruiru Kiu/Block		
		Commercial Development		anamcoinvest			
			732280579	kiurapeter1@	Ruiru East/ Block 1/T 785		
				kiurapeter1@	Ruiru Kiu/Block		
	Helen Wangeci and			jkamande59@	Loc 14/Kairu/973/		

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13	Humphrey Macharia	Development	72504648X	jkamande59@yahoo.com	Loc II/Maragi/4644	Muranga Town	Muranga
14	James Kirenge	Development	70792699X	archsmstudio@gmail.com	Makuyu Kimorori/Block2583	Makuyu	Muranga
15	James M Kamande	Development	72504648X	jkamande59@yahoo.com	Loc II/Maragi/3959	Mukuyu	Muranga
16	Jeremiah Karanja Mugo	Commercial Development	72288759X		MAKUYU/KI MORORIBLOCK III/168	Makuyu	Murang'a
17	John Kirathe Mwarari	Development	72504648X	jkamande59@yahoo.com	1929/Othaya/Kihugiru	Muranga	Muranga
18	John Mwangi Maina	Development	72243576X	waruguru.ac@yahoo.com	4595/Block2/Maragua	Maragua	Muranga
20	Joseph Kamonye	Development	72285464X	kungu.bonifacie@yahoo.com	Ruiru East/Block1/T.646	Ruiru	Kiambu
21	Kibugi	Development	70418733X	dkei2012@gmail.com	Loc II/Maragi/1799	Mukuyu	Muranga
22	Margaret Gathambi	Development	72305394X		Loc II/405	Kiharu Estate	Muranga
23	Mary Muthoni Mugo	Development	72930758X	edmurd@gmail.com	Ruiru/Mugutha/Block 1/9198	Ruiru	Kiambu
24	Morrison M Muriuki	Development	73228057X	edmurdm@gmail.com	Ruiru East/Block 7/T.738	Ruiru	Kiambu
25	PCEA Muranga Town	Development	78004648X	jkamande59@yahoo.com	236 (PDPC27.C27.98.6)	Muranga Town	Muranga

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26	PEFA Church Kenol	Development	71068822X	waruguru.ac@yahoo.com	Loc 5/Gitura/1189	Kenol	Muranga
28	Raphael M Nzuki	Commercial Development	72154348X		Baringo/Kam elilo/58	Eldama Ravine	Baringo
29	Regina Wambui Githua	Development	72294256X	archsoftarchitect@awl.com			Juja
30	Rev R Nduati	Development	72124576X	nduatiriv@gmail.com	Block II/193	Muranga Town	Muranga
31	Ruth Mumbe Ndulu	Commercial Development	72398292X		5195	Ngong	Kajiado
32	Simon Macharia	Development	78004648X	jkamande59@yahoo.com	Mitubiri/WEP A/Block 2/4008	Kabati	Muranga
33	Solomon Karanja Njaramba & Josephine Wanjiru Waruguru	Commercial Development	72164070X			Maragua	Murang'a
34	Wanyoike Rumbui	Development	72187716X		1193/72	Mukuyu	Muranga

35	Agnes Wangechi Nyambura	Development	720370378	mutienthullih@yahoo.com	KIAMBAA/KIHARA/4616	Kiambu	Kiambu
36	Alphonse Mwangi Muriu & Janerose Karimi Mwangi	Development	736488420		Ngong/Ngong/16815	Ngong	Kajiado
37	Caroline Thuguri Maina	Development	729307580	edmurdm@gmail.com	TINGANGA/ANMER BLOCK 1(MUGUMO-	Tinganga	Kiambu

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					NYAKINYU A)1051		
38	Cecilia Gathoni	Development	72047917 3	ceciliakagore@gmail.com	302	Muranga	Kiambu
39	Charity Wangechi Kingori	Development	72734938 7	cwkingori@yahoo.com	RUIRU KIU BLOCK 2/15693	Gatong'ora	Kiambu
40	Charles Gachohu Ngeene & Margaret Wambui Gachohu	Commercial	72823250 0	twakeru@gmail.com	L.R. NO 25460/2	Kiambu	Kiambu
41	Christopher Nganga Kibata	Development	72038831 0	jackritho@gmail.com	RUIRU/KIU BLOCK 2/19214	Kiambu	Kiambu
42	David Chege	Commercial Development	70792699 8	archsmstudio@gmail.com	LOC II/MARAGI/5 224	Muranga	Muranga
43	David Mureith Kanyi	Development	72930758 0	edmurdm@gmail.com	RUIRU KIU BLOCK 2/15199	Kiambu	Kiambu
44	Eddah Muthoni Kaungia	Development	72930758 0	edmurdm@gmail.com	RUIRU EAST BLOCK 1/5991	Kiambu	Kiambu
45	Eric Ouma Aoko	Development	71068522 4	waruguru.essie@yahoo.com	LR 1931 NGATA/PHA SE II	MLOLONGO	MACHAKOS
46	Esau Kanyi Kanyingi	Development	71123612 8		Makuyu/Kim ururi BLK 111/582	Makuyu	Muranga
47	Evans Kerosi Somoni	Development	72470821 7	vilagomezzmanwari5@gmail.com	PLOT LR NO 1693	Kiambu	Kiambu

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48	Felix Ongaga Nyabuti & Damaris Wangui Kihui	Development	72241154 4	felix.nyabuti@gmail.com	PLOT No. RIURU/KIU BLOCK 2/17355	Kiambu	Kiambu
49	Francis Karu Wainaina	Commercial	72930758 0	edmurdm@gmail.com	RUIRU EAT/BLOCK 1/T.785	Kiambu	Kiambu
50	Francis Kihumba Renana	Development	71123612 8	dmugsconsultancytld@gmail.com	RUIRU EAST BLOCK 5 /14	Kahawa Wendani	Kiambu
51	George Kamau Nganga&Florence Wairimu Kamau	Development	72184333 0	mukuimax@yahoo.com	DAGORETTI /UTHIRU/222 0	NDUMBUINI	Kiambu
52	George Mwangi Irungu	Development	72233406 6	edmurdm@gmail.com	RUIRU KIU BLOCK 2/7515	Gatongora	Kiambu
53	George Ngugi Nganga	Development	72184333 0	kairupeter55@yahoo.com	DAGORETTI /KINOO/1930	Kiambu	Kiambu
54	George Njoroge Mwangi	Commercial	72930758 0	edmurdm@gmail.com	RUIRU KIU BLOCK 14/137	Kiambu	Kiambu
55	Humprey Gerald Miriga	Commercial	72225206 4	mirigag@gmail.com	KIAMBAA/ KIHARA/350 7	KIHARA	Kiambu
56	Ibrahim woku & Chato Wolde	Development	71123612 8	dmugsconsultancytld@gmail.com	209/7963/381	Mathare,Huruma, Nairobi	
57	Javan Mahugu Munyiri	Development	72734938 7	stephenkinuthia54@gmail.com	RUIRU/RUIRU U WEST BLOCK 3/2282	Membley	Kiambu
58	Job Rinus Njeru	Development	71018870 3	mukuimax@yahoo.com	RUIRU/RUIRU U EAST	Kiambu	Kiambu

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					BLOCK 2/14349		
59	John Muriithi Mbogo	Development	72188048 8	omwangie@g mail.com	LR.NO. 14870/489	Kiambu	Kiambu
60	Josphat Kariuki Kamunge	Commercial	70543841 6	dougyymwas @gmail.com	RUIRU EAST BLOCK 1/6101	GATONGORA	Kiambu
61	Josphat Mwangi	Commercial Development	72258746 5		1193/85 MUKUYU		
62	Lydia Gathigia Karingithi	Development	72532769 0	onyiams@gm ail.com	TINGANGA/ CIANDA BLOCK1/776	Kanunga	Kiambu
63	Mary Njeri Kamau	Development	72930758 0	edmurdm@g mail.com	RUIRU/MUG UTHA BLOCK I/T.352	Kiambu	Kiambu
64	Mary Wanjiku Maina	Commercial	72823250 0	twakeru@gm ail.com	JUJA/KALIM ONI BLOCK 22/538	WETEITHIE	Kiambu
65	Mathew Mwangi Githua	Development	72624909 6	emurururukun ga@gmail.co m	LR NO. 28318/676	Ruiru	Kiambu
66	Maurice Ajuang	Development	72363314 8	cymragz@gm ail.com	Block 32/4003	Mavoko	Machakos
67	Nderitu duncan p. Mathenge	Development	72026452 9	twakeru@gm ail.com	JUJA/KIURA BLOCK 7(MANGU)/1 050	Mangu	Kiambu
68	Paul Kamau Kihungi	Commercial Development	72038831 0	wachirakagori @gmail.com	RUAKA/5499	RUAKA	Kiambu

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69	Peter Gakaria et al	Development	72363314 8	cymragz@gmail.com ail.com	Block 30/849	Kiganjo	Kiambu
70	Peter Kibicha Gathogo	Commercial	72285464 3	kungu.bonface@yahoo.com	BLOCK 21/1310	Kiambu	Kiambu
71	Philip Thuo	Development	72305394 7	gracekariuki07@gmail.com	RUIRU/RUIRU WEST BLOCK 2/546	Kiambu	Kiambu
72	Proposed Milk Processing	Development	72264797 2	cymragz@gmail.com ail.com	Kangari United Co-op	Muranga	Kiambu
73	Richard Warutere Kanyiri	Development	72930758 0	dwanjohi42@gmail.com	PLOT LR.No. RUIRU/RUIRU WEST BLOCK3/384	Kiambu	Kiambu
74	Robert Mwangi Mutugi	Development	72498264 0	robert.mutugi@gmail.com	PLOT NO 2183 MWIHOKO	Kahawa Sukari	Kiambu
75	Susan Wambui Kihuga	Development	72823250 0	twakeru@gmail.com	PLOT NO. 515 PHASE 7 KIBUTHE HOUSING CO-OP LTD	WITEITHIE	Kiambu
76	Titus e. Munene nyaga	Development	72260055 1	shiruhkate@gmail.com	RUIRU KIU BLOCK 2/10148	Kiambu	Kiambu
77	Wilson Njoroge Murungu	Development	72870339 1	structechhouseings@gmail.com	RUIRU KIU BLOCK2 /7406	Gatong'ora	Kiambu
78	Yusuf Mbuno	Development	72299010 6	gathurukungu@yahoo.com	RUIRU KIU BLOCK 3 / 631	Kiambu	Kiambu
79	Ngarua Catholic Church	Development	71390332 4	gichuhi.ark@gmail.com		Laikipia	Nanyuki

80	Jesse Mwangi	Commercial	72504648 8	kajisim2010@gmail.com	BK1	Muranga	Kiambu
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Proposed Development for Jackline Chepkoech Korir