CURRICULUM VITAE

1. **BIODATA**

NAME: FREDERICK PETER OUMA MUKETI

DATE OF BIRTH: 19TH MAY, 1956

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BUSINESS: MUKETI MECHANICAL ENGINEERS & SERVICES (KENYA)

PIN: A000173024V

VAT NO.

MUKETI ENGINEERING SERVICES CC (NAMIBIA)

P. O. BOX 24243, WINDHOEK

VAT NO.

**HOBBIES**

* Soccer Management, Weekly Soccer
* Church Choir and Activities.
* Daily Mass
* Social Welfare Activities
* Healthcare Network Marketing

**PROFESSIONAL QUALIFICATIONS**

1. Professional Engineer– Engineering Board of Kenya (EBK). No. A2243
2. Professional Engineer – Engineering Council of Namibia (ECN) No. PE 280026. Member of ECN Council since February, 2012 to 2017.
3. Fellow (Institution of Engineers of Kenya) – IEK No. F 632
4. Corporate Member (Engineering Professions Association – EPA) of Namibia

President (13 October 2015 –09 May 2018).

1. Associate Member of the Chartered Institute of Arbitrators (ACIArb)– Kenyan Branch since March 2006
2. Founder Chairman (Sept 2012 to February 2018) – Green Building Council of Namibia, member of World GBC
3. **EDUCATION BACKGROUND**
4. CPE – 26 Points; Math, English, General Paper – Kholera Primary School – Matungu District
5. 1971 – 1974: ‘O’ Levels – 19 Points 1st Division; Math (2), English (6), Kiswahili (4), Biology (3), Geography (4), Bible Studies (3), Physical Science (3) – Mukumu Boys Secondary School
6. 1975 – 1976: ‘A’ Levels; 3 Principal passes Physics (E), Math (B)and Chemistry (A) – Kagumo High School
7. B.Sc. Honors Lower 2nd – Mechanical Engineering (UON – 1980)
8. 2004 – 2009: MBA (20 Subjects) with Finance & Operation Management Seminars, Operations Management thesis in Competitive Manufacturing - UON
9. 2010 to Date: PHD Business Management with Thesis in World Class Manufacturing; Yet to complete.
10. **CHRONOLOGICAL WORK EXPERIENCE**
11. **Dec. 1976 – Jan. 1977: Field Enumerator under Central Bureau of statistics, Ministry of Finance & Planning** (Project of 72 houses in Bungoma completed in record 6 weeks against planned 3 Months).
12. Feb. – Sept. 1977: **Pre-University untrained Math Teacher Forms 1 – 4** (Mukumu Boys Secondary School. Record: All students in KJSE and EACE in the school passed Math for the first time.
13. **Student Engineer on Industrial Attachment** at Arroket’s Sotik Tea Factory; Achievements: Designed 1 Liter Fuel Metering Container for small vehicles (pickup).

* Complete Assembly of tea sorting bins

1. Sept. – Oct. 1980**: Mechanical Engineer II** – with Ministry of Water Development. Success – Worked on engineering graduates to go to UK for Post Graduate Diploma in Water Engineering, which happened 5 years later when I was out already. My remaining 5 colleagues benefited.
2. **Maintenance Engineer: Bamburi Cement Ltd of which 3 years as Graduate Engineer Trainee**:
3. Raw Materials Section: 200kw & 400kw as crushers, conveyor belts sizes 600mm width to 1600mm up to 600m long with Stockpile Reclaimers, overhead gantry cranes on 25m span rails operating in a 400m long crane hall.
4. Raw Mills Section: 160tph Roller Mill, 3 cylindrical ball mills, 300kw to 1000kw ball mills, one 300kw coal mill cylindrical rotating, dynamic separators & cyclones, Air slides, screw conveyors, belt weigh feeders, bucket elevators, material bunkers.
5. Kilns Section: 2 rotary kilns, 6 shaft kilns, clinker 2000tpd ϕ4.2 m x 60m long rotary kiln, 1200tpd ϕ3.8m x 54m long rotary kiln, compressed air lines and compressors, over 50 fans, screw type compressors, water pumps.

* Alignment of kiln shell through padding & skewing of rollers at three stations, clinker crushers, bucket conveyors, bucket elevators.

1. Clinker Silos, Cement Mills, Packing plants,&Cement Silos

1.4MW x 2 twin drive cement mill, ϕ4.0m with 100tph cement output.

Three other cement mills 30 – 80 tph capacity cement output.

Clinker storage silos & extraction into the mills. Powder cement transport into storage silos.

1. Mechanical Workshops:
2. Fabrication and welding workshops – repairing large fans & dynamic balancing as well as state balancing of all rotors.
3. Machine shop – turning & milling jobs, hydraulic press.
4. Fitting shops – disassembling& reassembling of star feeder rotors, gearboxes, pumps, screw conveyors, pressure, tasting of hydraulic parts before rendering back to plant.
5. Energy Efficiency measures on all equipment.
6. Alternative fuels from Renewable energies. Member of Energy Committee, Works Safety Committee, Inter-departmental Sports committee, Chairman of Baobab Football Club, Chairman of Bamburi Wananchi SACCO Society for 5 successful years.
7. **Proprietor:Muketi Mechanical Engineering Services (MUMES)**

1998 – 2007; Revived October 2017.

1. Providing fabrication, fitting, thermal insulation of Kenya Ports Authority portal equipment, KENGEN power station at Kipevu, KPRL proposed new pipeline survey, Kenya Railway supply of coral quarry materials.
2. Energy consultant for Coast Region for small & medium industries after training by international GEF in collaboration with Kenya Association of Manufacturers (KAM). Participated as adjudicator for National Energy Efficiency measures for these industries in 2005. Support to Coast Hotels & Staff Training in Energy Efficiencies.

* Resident Engineer for the Fire Fighting equipment Installation at the two oil jetties at Mombasa Port in 2003.

1. Improvement of air conditioning at Robinson Beach Hotel at the South Coast, Nyali Beach Hotel Kitchen ventilation in 2004.
2. Designed ventilation upgrade for the void at One-Stop Center in the Mombasa Port (KPA) –Ksh. 5M value
3. **Chief Engineer Mechanical Services with the Ministry of Works and Transport, Government Republic of Namibia from July 2007 – July 2017.**
4. Checked and approved mechanical engineering designs by consultants for Building works for all Government Ministries in the following mechanical services.
5. HVAC – Heating, Ventilation and Air Conditioning.
6. Lifts
7. Kitchen Equipment
8. Gas Installation and Piping
9. Fuel pump stations
10. Water Reticulation within buildings as well as water pump stations, included pump and pipe sizing, and grey water treatment plants
11. Medical Equipment
12. Compressed air and compressors.
13. Solar water heating, solar power installations.
14. Supervision of mechanical engineering consultants at all stages of project implementations from inception, feasibility study, documentation, construction, commissioning and project evaluation, as-built drawings and annual appraisal of consultants, checking & approval of professional designs.
15. Training of younger mechanical as well as electrical Engineers.
16. Design upgrade of air conditioning at four ministries, contract documentations and supervising the installation contractors.

First: The Ministry of Works and transport – New Offices for 120 Professionals as well as IT Division and Maintenance Offices at Ministry of Health and valued at KeS 3M.

Second: National Planning Commission Headquarters for KeS 4M contract value.

Third: Ministry of Education, Arts and Culture Headquarter Offices and Ministry of Higher Education Headquarters. Both Ministries’ value of the projects was N$ 2m (Ksh. 20M) each replacing old energy inefficient air conditioning systems, within budget and within time. Worked with a younger engineer all the time, who himself kept closer monitoring on the contractor and following up invoices.

1. Project coordination
2. Coordinated my first fast-track project in the N$150M (Ksh. 1.5bn) Electoral Commission of Namibia (ECN) within 2 years. Feasibility studies, purchase and transfer of land, excavation, construction and commissioning of phase I of KeS 1bn (2007 – 2009) in readiness for the National Elections of 2009.
3. Coordinated the Ministry of Mines and Energy Projects in 2008 – 2009 – and supervised the Renovations of the Headquarters with consultant QS, architect, engineer, recommending the correct anticorrosion and weather resistant paints. The shine 8 years later is still intact.

* Also approved the “Eagle eye” installation to scare away swallows & other birds that were defecating on the walls.
* Also supported the 2007 cabinet directive that all new buildings and renovations will only use solar for water heating.
* Supported the inception of Green Building Council of Namibia (GBCNA) after initial Associated Working Group (elected Chairman of its Board of Trust in Sept. 2012 – handed over that position on 06 February 2018).

1. Coordinated Ministry of Fisheries and Marine Resources (MFMR) between 2009 – 2011 controlling an annual budget of N$ 150M (KeS 1.5bn) capital projects construction and renovation of Fish farms, ponds, buildings across Namibia’s 14 Regions.

* Held fortnightly tripartite meetings involving user Ministry (MFMR) Technical Ministry (MWT), and all consultants.
* All 22 projects were pushed to documentation level, where any further progress to tendering required user’s financial certificates for availability of funds.

1. 2011 – 2014:Ministry of Health and Social Services (MoHSS) – coordinated capital projects in the time of N$1.2bn (Ksh. 12bn) per year. Similar to the other previous Ministries, brought in the tripartite monthly meetings. Site visits were reduced to only critical ones where client support was required. The reason was that the projects were more than 100 in this particular Ministry.

2014 – 2017: The coordination was focused only on the Mechanical Engineering Discipline, as other coordinators from other disciplines participated in MoHSS.

1. Chief coordinator for the Ministries of Education, Arts & Culture and Ministry of Higher Education for the years 2014 – 2016 with a capital projects annual budget of N$800M (Ksh. 8bn).
2. **MUKETI ENGINEERING SERVICES CC.**

September, 2017 – To Date:

Formed the sole proprietor company as a consultant engineer. It is aimed at providing much services of consultancy in sustainability in engineering starting with Mechanical, Energy, Water, Emission, Air quality, Anti-corrosion, painting, Competitive Manufacturing, Electrical, PPP Projects in Energy Investments, Plant Reliability, Engineering Project Management.

1. **OTHER ACTIVITIES**
2. **Soccer Management**
3. 1986 – 1991 – Assistant Team Manager Baobab F.C (Bamburi Cement Ltd).
4. 1992 – 1998 – Chairman Baobab F.C moved the club from District Division II to Super League Eastern Zone.
5. 1987 – 1997 – Organizing Secretary of Coast Branch AFC Leopards S.C.
6. 1998 – 2007 – Chairman of Coast Branch AFC Leopards S.C.
7. 2008 – 2009 – Coach Ministry of Works and Transport Football Team in Social League (Namibia).
8. 2010 – 2012 – Coach FX Africa Professionals in Namibia.
9. 2015 – 2017 – Chairman Sunday Soccer for Kenyans in Namibia.
10. **Cooperative**
11. 1993 – 1998 –Successful Chairman – BamburiWananchi SACCO Society, moving monthly turnover from Ksh. 0.9M to Ksh. 5.5M
12. Dec 2016 – to date: Initiated KeNam SACCO Limited with other Kenya Welfare in Namibia Officials, as Vice Chairman, participated in educating officials and potential members for the first AGM scheduled for 21st October, 2017 in Windhoek
13. **Welfare Activities**
14. 2002 – 2007: Hon. Secretary of Wanga Welfare Association – Mombasa.
15. Official of Kenya Welfare Association in Namibia since 2010, as the Assistant Secretary and Events Chairman for two years; then finally as Vice Chairman from April 2012 to 21 October 2017.
16. Member of Mumias Progressive Welfare Society since January 2018, contributing to its SACCO and welfare.
17. Parish Vice Chairman of Ejinja Catholic Church since 05 December 2017 for a three-year term renewable. Elected vice Chairman of CARITAS movement at Ejinja Parish since May 2019.
18. Catholic Men Association: Teacher of Teachers (Stage 3), and active at the Parish, formation of Catholic men, Diocesan, and National level Prayers annually since 2018.

**08 September 2019**

**END**