

ZIMBABWE INSTITUTION OF ENGINEERS

2016-2018 Board nominees

NAME	PERSONAL INFORMATION
MEMBER/FELLOW NOMINEES	
Amos Amos (Member)	<p><u>Personal Profile</u></p> <p>Amos is a Civil Engineer who graduated with a BTech (Hons) Civil Engineering (1994) and a MSc degree in Water Resources Engineering and Management (2002) both from the University of Zimbabwe. He is a member of the Zimbabwe Institution of Engineers and is registered with the Engineering Council of Zimbabwe. Amos is currently a Director at CGM Consulting Engineers having more than 20 years' experience in Civil engineering and construction industry, both public and private sector. Amos was a Project Manager at Unki Mines for 2 years (employed by Costain Zimbabwe and Sesani Projects), Town Engineer Redcliff Municipality (2 years), Director of Works, ZOU (3 years) and Chief Engineer with Ministry of Defence (10 years). He has also held several appointments from Projects Director, Project Engineer, and Resident Engineer within Zimbabwe. Amos was a part time lecturer at University of Zimbabwe and has published 3 scientific publications. He was a Water Demand Management Resource person for SADC and successfully held workshops in Zimbabwe on water demand Management. Work experience and exposure has seen him successfully implementing the stringent Anglo SHEQ system, and received training in many courses, including Project Management, EIA and GIS. Amos is an experienced Engineer who was successfully involved in multifaceted national projects both in private and public sector. He was actively involved in ZIE activities notably Mashonaland Area (once Vice Chairman), organizing the ZIE Past President golf and soccer tournaments. He is married with 5 children</p>

<p>Chirume Abednego (Fellow)</p>	<p>Experience</p> <ul style="list-style-type: none"> □ Multi-storey buildings and office complexes □ Water and Waste Water Treatment and Reticulation <p>Experience Overview</p> <p>After working for a few different consulting firms, Abed established Centro Project (Pvt) Ltd Consulting Engineers in 2001 and was the Managing Director until 2008. Worked on numerous Government and Private sector projects, and has a total of 25 years working experience. He then joined TTCS/ Mothibatsela & Associates Consulting Engineers in 2008 as a Senior Design Engineer and was appointed Director the following year.</p> <p>In November 2011, he became the Managing Director and Country Manager of UWP Consulting Zimbabwe until May 2014. Currently he is the managing Director of UDG Consulting Engineers.</p> <p>Selected Recent Projects</p> <ul style="list-style-type: none"> □ Project director for a township development project for Mazowe Prison Housing Cooperative. Involved in design of roads, water and sewerage reticulation and construction supervision. Project location – Concession □ Project Engineer for Shashi Private Hospital, Bindura, responsible for structural works. – US\$100k □ Design and Construction supervision of Skilpadshek border post. Project Engineer for Provision of structural engineering services for this R500m project. - SA □ Construction supervision of Structural works for Amalia Police Station. Project cost – R18m. - SA □ Project Engineer for the construction supervision of the road P34/2, Koster to Lichtenburg. The project involves rehabilitation and upgrade and the cost for phase 1 is R208m. - SA □ ILEA Post Blast Range at Otse Police College: Project Engineer for the design of the range. Mainly bulk earthworks and small buildings. Project cost – P8m. - BW □ Project Engineer for the supervision of civil and structural works for the P350m Lobatse Mental Hospital in Botswana. - BW □ Construction supervision of Structural Engineering works for FNB Bank regional Headquarters in Francistown, Botswana. Project comprised of a four storey office block including a basement. Project cost – P50m - BW □ The Copier Parts Office Block and warehouse. Structural design and supervision – US\$0.3m - ZW □ Preliminary and detailed designs for Mvurwi Sewage stabilisation ponds. □ Magunje Water Treatment Plant. The structural design of the

	pump station, clear water reservoir, sedimentation tanks etc. - ZW																				
<p>Chinyanga Theodeus K. (Fellow)</p>	<p>Theodius is a Civil/Structural and Infrastructure engineer. He holds a B.Tech in Civil Eng. (Hons) 1992 and is currently studying for a MSc in Project Management from the University of Liverpool. He is a Fellow of the Zimbabwe Institution of Engineers, Member of the Zimbabwe Association of Consulting Engineers (ZACE), Member of the Project Management Institute (PMP) and a registered Professional Engineer with the Engineering Council of Zimbabwe (ECZ).</p> <p>Boards:</p> <ul style="list-style-type: none"> • Councilor- Engineering Council of Zimbabwe • Board Member- Solusi University • Board Member- CMED (Pvt) Ltd <p>EMPLOYMENT HISTORY</p> <table border="1" data-bbox="456 997 1422 1705"> <thead> <tr> <th data-bbox="456 997 695 1035">PERIOD</th> <th data-bbox="695 997 1422 1035">Employing Organization, title/position</th> </tr> </thead> <tbody> <tr> <td data-bbox="456 1035 695 1108">Jan 15-present</td> <td data-bbox="695 1035 1422 1108">Infrastructure Engineering Projects (Pvt) Ltd. Owner/Director</td> </tr> <tr> <td data-bbox="456 1108 695 1182">Nov 13-present</td> <td data-bbox="695 1108 1422 1182">Min. of Transport & Infrastructural Development. Director- Rail Transport Management</td> </tr> <tr> <td data-bbox="456 1182 695 1255">Feb 09-Oct 13</td> <td data-bbox="695 1182 1422 1255">Min of National Housing and Social Amenities, Director- Designs and Contracts Management</td> </tr> <tr> <td data-bbox="456 1255 695 1329">Jul 05-Jan 09</td> <td data-bbox="695 1255 1422 1329">Min of Rural Housing and Social Amenities, Director- Designs and Contraction</td> </tr> <tr> <td data-bbox="456 1329 695 1402">Nov 98-June 05</td> <td data-bbox="695 1329 1422 1402">CSME Consultants Pvt Ltd, Director (Principal Civil Engineer)</td> </tr> <tr> <td data-bbox="456 1402 695 1476">Nov 97- Oct 98</td> <td data-bbox="695 1402 1422 1476">E. Chifamba and Partners, Associate Partner</td> </tr> <tr> <td data-bbox="456 1476 695 1549">Apr 97-Oct 97</td> <td data-bbox="695 1476 1422 1549">Mobil Oil Zimbabwe (Pvt) Ltd. Projects Engineer</td> </tr> <tr> <td data-bbox="456 1549 695 1623">Jan 95-May 97</td> <td data-bbox="695 1549 1422 1623">Zimbabwe National Army, Chief Engineer</td> </tr> <tr> <td data-bbox="456 1623 695 1705">Aug 92-Dec 94</td> <td data-bbox="695 1623 1422 1705">E. Chifamba and Partners, Civil Engineer</td> </tr> </tbody> </table>	PERIOD	Employing Organization, title/position	Jan 15-present	Infrastructure Engineering Projects (Pvt) Ltd. Owner/Director	Nov 13-present	Min. of Transport & Infrastructural Development. Director- Rail Transport Management	Feb 09-Oct 13	Min of National Housing and Social Amenities, Director- Designs and Contracts Management	Jul 05-Jan 09	Min of Rural Housing and Social Amenities, Director- Designs and Contraction	Nov 98-June 05	CSME Consultants Pvt Ltd, Director (Principal Civil Engineer)	Nov 97- Oct 98	E. Chifamba and Partners, Associate Partner	Apr 97-Oct 97	Mobil Oil Zimbabwe (Pvt) Ltd. Projects Engineer	Jan 95-May 97	Zimbabwe National Army, Chief Engineer	Aug 92-Dec 94	E. Chifamba and Partners, Civil Engineer
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<p>Chivonivoni C.M (Member)</p>	<p>Summary Engineer Chivonivoni was born in 1956. He is married with 4 children. Engineer Chivonivoni did his Secondary education at Chikore Mission and Goromonzi High School before enrolling at the University of Zimbabwe where he completed his Bachelor of Engineering (Civil) 1980. Engineer Chivonivoni is the Managing Director of ROCE Consulting Engineers, a Bulawayo based Engineering Consultancy Firm.</p> <p>Career Summary Engineer Chivonivoni joined the National Railways of Zimbabwe (NRZ) in 1981 as a Trainee Civil Engineer. After completing the training programme, he rose through the ranks from Assistant Civil Engineer until he became Chief Civil Engineer in 1991. In 1994 he was appointed Assistant General Manager (Operations). Upon leaving the NRZ in 1998 he joined ROCE Consulting Engineers as Managing Director a position he holds to date. He has over 30 years' experience in the design and management of engineering projects.</p> <p>Management and Professional Development Engineer Chivonivoni went through several managerial and professional development courses and programmes while with NRZ. The major ones being</p> <ul style="list-style-type: none"> . Executive Management Development - University of Virginia, USA . Track Technology, Permanent Way and Bridge Maintenance - British Railway Association, U.K . Industrial attachment at the Folkstone Terminal of the Channel Tunnel which connects England France by Rail - Confederation of British Industries, U.K . Corporate Planning and Project Management - Rail India (RITES), India . Permanent Way Engineering, Management, Cost Center Principles, Project Appraisal and Labour <p>ZIE INVOLVEMENT Active member of the Matabeleland Area Member of the Interview Panel</p>
<p>Choto Bernard</p>	<p>Eng. Choto Bernard is a registered professional</p>

(Member)	<p>Mechanical engineer with the Engineering Council of Zimbabwe (ECZ) and a Corporate Member of the Zimbabwe Institution of Engineers (ZIE). He has more than twenty-five (25) years of experience in Industrial, Mining, HVAC, Water and Sanitation Engineering and Energy development and training, installation, and commissioning, Manufacturing, process and equipment design, construction and projects management and Agricultural Engineering design, Research and Development. Currently he is a committee member of the World Federation of Engineering Organization on Environment and Sustainability (WFEO-ES) and Education and Training (WFEO-CET), Board Member of the Zimbabwe Institution of Engineers (ZIE) and Chairperson of the ZIE Building Services Division. He is a Member of the Zimbabwe Institute of Management. He holds a Higher National Diploma in Mechanical Engineering, Engineering Council (UK), Post Graduate Diploma in Executive Management (PGDMgt - UZ), several professional development courses (CPDs) and is a Final Semester MBA student with the University of Zimbabwe.</p>																					
Karidza Norman (Member)	<p>Personal attributes Hardworking, Strong Leadership and Communication Skills, Strong Planning, Analytical and Computational Ability</p> <table border="1" data-bbox="451 997 1435 1556"> <thead> <tr> <th data-bbox="451 997 787 1066">Work Experience Summary Period</th> <th data-bbox="787 997 1123 1066">Organization</th> <th data-bbox="1123 997 1435 1066">Post</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 1066 787 1144">Apr 13-date</td> <td data-bbox="787 1066 1123 1144">Zimbabwe Power Company (ZPC)</td> <td data-bbox="1123 1066 1435 1144">Section Head- Thermal cycle</td> </tr> <tr> <td data-bbox="451 1144 787 1222">Sept 11-Mar 12</td> <td data-bbox="787 1144 1123 1222">Delta Beverages</td> <td data-bbox="1123 1144 1435 1222">Asset Care Specialist</td> </tr> <tr> <td data-bbox="451 1222 787 1299">Aug 09-Aug 11</td> <td data-bbox="787 1222 1123 1299">Old Mutual Zimbabwe</td> <td data-bbox="1123 1222 1435 1299">National Technical Manager</td> </tr> <tr> <td data-bbox="451 1299 787 1377">Aug 07-Jul 09</td> <td data-bbox="787 1299 1123 1377">RioZim Ltd Company</td> <td data-bbox="1123 1299 1435 1377">Mechanical Projects Engineer</td> </tr> <tr> <td data-bbox="451 1377 787 1478">Jan 06-Jul 07</td> <td data-bbox="787 1377 1123 1478">CAFCA Ltd Company</td> <td data-bbox="1123 1377 1435 1478">Plant & Maintenance Engineer</td> </tr> <tr> <td data-bbox="451 1478 787 1556">Dec 03-Dec 05</td> <td data-bbox="787 1478 1123 1556">RioZim Ltd Company</td> <td data-bbox="1123 1478 1435 1556">Graduate Engineer Plant Engineer (A)</td> </tr> </tbody> </table> <p>Educational Qualifications Masters in Business Administration (MBA)- UZ (2013) BSC (Hons) Degree in Mechanical Engineering-UZ (2003)-<i>Best Prize</i> Graduate Management Development Program (GMDP)-BTD-<i>Best Prize</i> Postgraduate Diploma in Project Management-PMIZ GCE Advanced Level-(University of Cambridge) GCE Ordinary Level(University of Cambridge with ZIMSEC)-10A's-<i>Best Prize</i></p>	Work Experience Summary Period	Organization	Post	Apr 13-date	Zimbabwe Power Company (ZPC)	Section Head- Thermal cycle	Sept 11-Mar 12	Delta Beverages	Asset Care Specialist	Aug 09-Aug 11	Old Mutual Zimbabwe	National Technical Manager	Aug 07-Jul 09	RioZim Ltd Company	Mechanical Projects Engineer	Jan 06-Jul 07	CAFCA Ltd Company	Plant & Maintenance Engineer	Dec 03-Dec 05	RioZim Ltd Company	Graduate Engineer Plant Engineer (A)
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	<p>Other Positions held: Committee member: ZIE Hwange area branch (Aug 2013-date) Vice Chairman-ZPC Hwange football club Division 1 (June 2014-date) Treasurer: Hwange Rotary club (July 2014-date) Treasurer: Zimbabwe Energy Management Association (ZEMA-Hwange branch) Appointed internal Auditor ISO9001: 2000 QMS (CAFCA Ltd). Appointed Tutor for Applied Mechanics: University of Zimbabwe 2003 Appointed Chess Club Chairperson: St Francis of Assisi: 1997-1998 Appointed Chess Club Committee member: University of Zimbabwe 2001-2002 Chess Gold medallist at ZESA annual sports festival: Munyati 2013 Represented St Francis of Assisi at National High School quiz competitions: 1998</p> <p>knowledge of standards ISO 9001:2008 QMS, ISO 14001:2004 EMS OHSAS 18001 Appointed Internal Auditor @ CAFCA: 200</p>
<p>Fende Lloyd P. (Fellow)</p>	<p>Lloyd Pararai Fende currently a Senior Civils Partner managing the Civils Division of Brian Colquhoun Hough O'Donnell and Partners in Zimbabwe and involved in interdisciplinary management of various projects locally and regionally. Involved in General Civil Engineering, infrastructure planning, development and implantation at strategic level, heading feasibility study teams and project implantation managers. Has over 30 years Post Graduate experiences of which 22 years have been with Brian Colquhoun, Hugh O'Donnell & Partners, and 6 years with Ministry of Water Resources and Development of Zimbabwe, 4 years with others.</p> <p>Was a Design Engineer and land use advisor on diverse projects including: Mining project in Democratic Republic of Congo (DRC), Designed and supervised construction of small, medium and large water supply dams for The Ministry of Energy, Water Resources & Development and private small farm dams. Was recently involved in study and rapid appraisal reporting for remedial and rehabilitation works to water and sanitation infrastructure in various towns in Zimbabwe including Chitungwiza, Chinhoyi, etc., for German Agro</p>

	<p>Action Wash Measures. Project Manager/Deputy for Urgent Water Supply Sanitation Rehabilitation Project (UWSSRP) for the four towns Bindura, Karoi, Chinpinge, and Shurugwi under UNICEF program: and for the six cities of Harare, Chitungwiza, Chegutu, Kwekwe, Masvingo and Mutare as Deputy Projects Manager and local Team Leader for Urgent Water Supply Sanitation Rehabilitation Project funded by Zimfund African Development Bank (ADB). Phase 2 of the UWSSRP targeting cities of Harare, Chitungwiza, Ruwa and Redcliff; currently ongoing.</p> <p>Was Team Leader on several projects including: Marondera Sewage Treatment Plants and Water Augmentation schemes, Murowa Diamonds infrastructure Expansion Project; Land Use Plans (civil engineering related works) for J. Nkomo and Victoria Falls Airports, Africa University Water and Sewage Ponds Expansion, Mushimbili Dam for the Kapiri and Mposhi Water Supply and Sanitation Project for the Zambian Government and funded by ADB.</p> <p>Eng. Fende is happily married and blessed with a family of 4 sons, 2 daughters and 2 grand daughters</p> <p><u>Professional Affiliation</u> Fellow of the Zimbabwe Institution of Engineers Member – American Society Civil Engineers Graduate Member – Institution of Civil Engineers (UK) Charter Member – Structural Engineering Institute (USA) Member of the Zimbabwe Association of Consulting Engineers: President of the Association 2015 to 2017</p>
<p>Goriwondo William M. (Fellow)</p>	<p><u>Personal Profile</u> William is an Industrial Engineer with an MSc. Degree in Manufacturing Systems & Operations Management. He has completed and submitted (in 2015) his PhD degree thesis at the National University of Science and Technology (NUST). He is a Fellow of the Zimbabwe Institution of Engineers (ZIE) and is registered with the Engineering Council of Zimbabwe (ECZ). William has served on the ZIE Board (2014-2016), was ZIE Matabeleland Area Vice Chairperson (2013-14) and subsequently ZIE Matabeleland Area Chairperson (2014 – 2016). He is currently a Senior Lecturer, Researcher and an Engineering & Management</p>

Consultant with over 19 years of working experience. He has worked for BP & Shell Marketing Services (6 years), BP Africa (1 year), Turnall Fibre Cement (2years) and NUST (10 years), among many other companies where he has offered training and engineering consultancy services. He is a trained internal auditor for management systems (Quality, Health, Safety and Environmental) and has gained experience in Engineering, Maintenance Management, Occupational Health, Safety & Environmental (OHS&E) Management Systems, Production Management, Modern Manufacturing and Production Systems, Operations Management, Project Management, Total Quality Management (TQM), Total Productive Maintenance (TPM), Cleaner Production, Training and Management Consulting Services.
William is married and is blessed with three children

Karonga Farai
(Fellow)

Education

Institution	Degree(s) or Diploma(s) obtained	Date obtained
University of North Rhein Westphalia, Aachen	Doctor in Mining Engineering	1996
University of North Rhein Westphalia, Aachen	Masters in Economics and Commerce	1996
University of North Rhein Westphalia, Aachen	Masters in Mining Engineering	1989
University of East Anglia, UK	B Sc (Hons) Pure Mathematics	1979

Membership of Professional Associations:
 •Zimbabwe Institute of Engineers (#11 1309)

Other Training:

- Certificate in Teaching and Learning in Higher Education, 2000.
- Consultancy Professional Certificate, 1997.
- Professional Mining Certificates (i.e. Gaseous Mine etc.).

Work Experience:

- 16 years mining industry experience at operational, managerial and executive level, including 5 years academic life (i.e. lecturing and heading the Mining Engineering Department).
- Sit on several industry boards (ZMDC, DOROWA, STONE HOLDINGS BLACK GRANITE, GLOBAL PLATINUM RESOURCES, SHINZIM PLATINUM CO.)

	<ul style="list-style-type: none"> • Currently the Group Mining Engineer and Project Manager, Sengwa with the Mining House Riozim Pvt Limited.
<p>Madzimure Patience (Fellow)</p>	<p>Key Qualifications Patience Madzimure has been involved in projects of various sizes ranging from minor rehabilitation works to multi-million dollar and multi-disciplinary projects. The experience gained has mainly been in Civil Engineering projects covering Roads and Stormwater Drainage, Water and Wastewater Engineering, Fuel Handling and Storage Facilities with specific tasks covering;</p> <p>Design - Determining the process requirements, detailed design, co-ordination of design disciplines and/or work performed by different consultants. Preparation and assessment of Tenders.</p> <p>Financial - Preparation of cost plans comprising budgets and cash flow projections. Cost Control including monitoring and reporting on loan draw-downs on foreign funded projects.</p> <p>Construction - Co-ordination and control of construction work. Quality Assurance and Contract Administration and Management. Currently Eng. Madzimure is Managing Director of PAMA Engineering Consultants, a locally registered firm of Civil and Structural Engineering Consulting Engineers and is in charge of all the company's operations in Zimbabwe with specific tasks of Design and Design Management, Contract Documentation and Contract Administration and Management. The firm offers Engineering Consultancy Service to various Clients in both the Public and Private Sectors.</p> <p>EDUCATION Date Educational Institution Qualification Obtained 1977 Tegwani High School Ordinary Level 1979 Fletcher High School Advanced Level 1984 University of Zimbabwe BSc. (Eng.) Hons. Civil Engineering 2005 University of KNZ PG Dip. Business Management</p> <p>EXPERIENCE RECORD Period Employer Position 1996 to date PAMA Engineering Consultants Managing Director 1990 – 1995 National Oil Company Chief Engineer 1987 – 1990 Brian Colquohoun Hugh O'Donnel and Partners Design Engineer 1985 – 1990 City of Harare Design Engineer/Senior Engineer</p>
<p>Mare Albert (Member)</p>	<p>Personal Profile Eng Albert Mare is the Manager for Zimbabwe National Water</p>

	<p>Authority (ZINWA) Save River Basin. He is an esteemed water resources management expert with over 20 years' experience in civil engineering, water resources planning, management, and development. He holds a Master's Degree in Water and Environmental Resources from UNESCO-IHE (Netherlands). He graduated from the University of Zimbabwe with a BSc (Hons) in Civil Engineering in 1992. He is a Member of the Zimbabwe Institution of Engineers (ZIE) and is registered with the Engineering Council of Zimbabwe (ECZ). Albert served as ZIE Masvingo Area Vice Chairperson in the period (2014-2015). In his early years he worked with Japanese Sanyu Consultancy in the design and construction supervision of six medium sized dams in Masvingo province. He was the lead engineer in the construction of AfDB funded water treatment plants Mwenezi, Masvingo and Gutu districts of Masvingo province. After the water sector reforms that culminated in the enactment of the Water Act (Chapter 20:24) and the ZINWA Act (Chapter 20:25) in Zimbabwe, he was appointed Manager for Runde Catchment in 2002. His work in recent years has focused on transboundary water resources management and development. He spearheaded the Save River Basin water resources management strategy as the Project Implementing Agency (PIA) manager under the Buzi, Save, Ruvuma Shared Watercourses Support Project funded by AfDB under the auspices of SADC. He is currently working on the Pungwe Basin Transboundary Integrated Water Resources Management and Development Programme as the counterpart Project Manager.</p>
<p>Matina Jeremy M. (Member)</p>	<p>Personal profile</p> <p>Experienced and innovative Zimbabwe-registered Professional Engineer with sophisticated Plant Maintenance and Design, Project Management and business administration skills. I believe hard work and personal integrity are key to achieving success.</p> <p>Apprentice Electrician, Ziscosteel (1979)</p> <p>City and Guilds Advanced Technician Diploma in Electrical and Electronic Engineering. Trade qualifications in the Electrical discipline. (1998-1999)</p> <p>Registered with the South African Institute of Electrical Engineers (2003).</p> <p>City and Guilds Graduate Diploma in Electrical and Electronic</p>

	<p>Engineering (tuition provided by ZIE/CCEE, 2006 -7) Registered with the Zimbabwe Institution of Engineers (2009) Registered with the Engineering Council of Zimbabwe (2011) Executive Master of Business Administration Degree with Midlands State University (2014). Elected to Chamber of Mines of Zimbabwe Power Committee (2015)</p> <p>Experience</p> <p>Over 20 years proven expertise in industrial maintenance, design, trouble-shooting, installation, commissioning and testing across multiple disciplines. Background in a wide range of industries, including Mining, Steelmaking and industrial process control. Knowledge of processes and application of tenders and contract documentation. Experience in Project Management of multiple projects across multiple disciplines and the ability to achieve targets within budget. Proficient in the use of Microsoft Office applications.</p>
<p>Mhlanga Samson (Member)</p>	<p>Personal Profile</p> <p>Qualifications: Samson is an Industrial Engineer with an MSc. Degree in Advanced Manufacturing Systems (Brunel, UK, 1996-97); Postgraduate Certificate in Higher Education Management (Wits - SA) 2010, Postgraduate Certificate in Engineering Education & Project Management (Tsinghua University, Beijing, China), 2009; BEng. (Hons) Industrial Engineering (NUST, ZW 1991-95) Membership of Professional Bodies: He is a member of the Zimbabwe Institution of Engineers (ZIE) since 1996 and a Member of Southern African Institute for Industrial Engineering (SAIIE) since 2001.</p> <p>Engineering Academic Teaching and Research: He is currently a Chairman of Industrial and Manufacturing Engineering Department (since 2010) and Senior Lecturer (since 2003), Researcher and an Engineering & Management Consultant with over 20 years of working experience. He served as Acting Dean in the Faculty of Industrial Technology August 2009 to April 2010 and whenever call to act since 2010. He has taught Undergraduate, postgraduate courses at NUST since 1996 and a postgraduate course at UZ (1998-2001). He has supervised over 65 Masters Students and over 125 Engineering Undergraduate students projects for which most were application to industry since 1996. He has been entrusted with over USD 50,000 research project funds. He has served as Co-Editor for three (3) Engineering Conference Proceedings, Co-authored one (1) book Chapter, eighteen (18) journal papers, and</p>

	<p>over fifty-five (55) conference papers since 1996. He has conducted the following contact visits to Department of Quality & Operation Management, University of Johannesburg, SA, (27 September – 25th October 2010); University of Witwatersrand –SA, (15th -26th March 2010, 10th -21st May 2010) funded by SARUA, Tsinghua University, Beijing, China, (23rd November – 18th December 2009), fully funded by Chinese Government; Department of Mechanical Engineering, University of Cape Town (23rd August- 11th September 2004); Department of Industrial and Systems Engineering, University of Pretoria (23rd January- 11th February 2001, 04th- 11th March 2001); Rhodes University (October 2002) and Pretoria University (Nov 2002).</p> <p>Served as External Examiner for Department of Agricultural Engineering (Bachelor Technology programmes at Chinhoyi University of Technology (2009 to 2012); External Examiner for Department of Industrial and Manufacturing (Bachelor of Technology degree) at Harare Institute of Technology (2004 to 2011); Council Member for Standards Association of Zimbabwe (SAZ) as NUST representative (2003 to-date).</p> <p>He was in the team involved in:</p> <ul style="list-style-type: none"> • Setting up of the Harare Institute of Technology Degree Programmes • Setting up of the Bachelor of Technology Degree Programmes <ul style="list-style-type: none"> ○ B Tech in Industrial and Manufacturing Engineering (Kwekwe Polytechnic) ○ B Tech in Wood Technology (Mutare Polytechnic) ○ B Tech in Water Resources (Bulawayo Polytechnic)
<p>Moyo Lyton M. (Member)</p>	<p>Background</p> <p>I trained with NUST as an Industrial Engineer, qualifying in 2002. I have over 13 years post-graduation experience spanning the following Industries, Steel, Food Processing, Mining and Cement in various capacities from Plant Engineer, Maintenance Engineer (Mining), Planning Engineer (Mining), Engineering Manager (Food Processing and Refinery), Group Engineer (Assets - Mining), Mechanical and Methods Manager (Mining and Cement Manufacture) to my current role within various blue chip organizations including Tube & Pipe Industries, United Refineries, Zimasco, Lafarge Zimbabwe, and PPC Zimbabwe among others . I am a chartered and professional engineer having gotten the Chartered Engineer status in October 2012 and Professional Engineer Status in December 2012. In my activities for the Institute, I have also spearheaded the registration and regularization of firms and</p>

	<p>engineers for Zimasco (Group level up to head office), Lafarge and PPC and I was an active member of the ZIE Midlands chapter having briefly headed the Marketing Division before my then relocation to Harare.</p> <p>Currently I am Group Technical Advisor (Planning) for PPC Zimbabwe responsible for all the Zimbabwe operations and an oversight planning role for PPC Mozambique Operations.</p> <p>Professional Qualifications B.Eng. (Industrial Engineering) Hons NUST – 2.1 – 2002 M.Sc. (Strategic Management) – CUT (Dissertation Level) Member Zimbabwe Institution of Engineer Professional Engineer – Engineering Council of Zimbabwe Various on the job specialized Safety and systems training</p>
<p>Muchaneta Pawandiwa</p> <p>(Member) F</p>	<p>Muchaneta is a Civil/Structural Engineer with more than 5 years of professional work experience in Civil and Structural Engineering, Quality Management Systems implementation, Internal Audits, Construction Management, Contract Administration, Managing Workshops and Staff Training.</p> <p>She holds a Bachelor of Science Degree in Civil Engineering from the University of Zimbabwe and is a Corporate Member of the Zimbabwe Institution of Engineers and a Graduate Member of the Institution of Structural Engineers working towards chartered membership. She is registered with the Engineering Council of Zimbabwe as a Professional Civil/Structural Engineer.</p> <p>Muchaneta is a Structural Engineer at Arup Zimbabwe (Pvt) Ltd where her role includes leading a team in delivery of structural designs and construction project management. She has been project leader on various projects including Industrial, Commercial and Residential structures. Some of the clients under her portfolio include industry leaders in manufacturing, government departments and banks.</p> <p>She has a keen interest in industrial buildings and green building technology. To this end she is working on publishing her technical paper titled, Green Building Technologies in Zimbabwe: The Opportunities.</p> <p>Muchaneta is also a member of the Women in Engineering division of ZIE. She is interested in mentoring junior engineers and has since participated in the ZIE outreach to schools through participating in the 2014 CAMSAC career guidance convention. She is also a member of a non-profit organization called Girls Rock Zimbabwe where she is a volunteer mentor in their big sister/little sister program.</p>
<p>Musarurwa Bernard</p> <p>(Fellow)</p>	<p>Engineer Bernard Musarurwa holds a BSc. degree in Civil Engineering and another in Geological Engineering and has extensive experience in the fields of geotechnical engineering, construction materials, road pavement design, quality management</p>

	<p>systems, highway design, transportation and highway engineering. Eng Musarurwa has a total of 34 years of post-graduate experience all of which have been in the civil engineering field as a Consultant which has covered every aspect of highways engineering requirements projects, including feasibility studies, detailed engineering design, and road rehabilitation, with emphasis on pavement and geotechnical/materials engineering.</p> <p>Eng Musarurwa has held various positions in professional and social organizations, including the following:</p> <ul style="list-style-type: none"> □ President of ZACE (Zimbabwe Association of Consulting Engineers) 1994-5, representing ZACE at FIDIC (International Federation of Consulting Engineers) annual conferences in Sidney Australia in 1994 and in Istanbul, Turkey in 1995 and at GAMA (Group of Member Associations) in Cape Town, South Africa in 1995. □ President of ZRF (Zimbabwe Road Federation) in 1995 and 2000, representing ZRF several at IRF (International Road Federation) functions. □ Fellow of the Zimbabwe Institution of Engineers (F.Z.I.E), having joined in 1983 and held various positions on several committees. □ Member of steering committee on the Institutional Study (1994) and, Road Sector Reform and Development Programme (1996-2000), following which he became the inaugural Chairman (2000-2005) of the Board of Directors of the Zimbabwe National Roads Administration (ZiNaRA) responsible for the Road Fund. □ Vice-Captain of ZRP Golf Club for several years, the highest position that may be held by a civilian; and President of Bushwhackers Golf Association, and having held various positions on several committees. <p>Eng Musarurwa is married, with adult children and several grandchildren. He is an avid golfer, a fisherman and a hunter.</p>
<p>Mudadi Oliver (Member)</p>	<p>Manages System operations, Communications and Risk assessments, implements Switching Orders and Safety documents issues, disturbance handling and faulty analysis, planned outage implementation and coordinating, system Security and quality of supply maintenance, coordination of system operational activities, energy trading and despatch and Human Resources management. Prior to the above post I was a Dispatch Controller from 2004 to 2007 responsible for Energy Management, reports compilation & writing, system monitoring & control and training.</p> <p>I got engaged with ZESA in 1989 as a Substation Assistant and rose through the ranks to a Transmission Technician responsible for 88kV – 400kV Substation equipment maintenance, substation extensions and commissioning, fault diagnostics and remedial action on the system., ensuring that safety standards are adhered to all the</p>

	<p>time in substation and implementing risk control measures recommended by RISK INSURANCE AUDIT TEAM & to ensure lifting gear is periodically tested in accordance with GOVERNMENT APPROVED FACTORY AND WORKS ACT). General Human Management, stores transactions management and petty cash handling and substation budget control.</p> <p>Oliver is currently employed by ZETDC as the National Grid Controller. The position was held from 2007 to present date.</p>
<p>Mvura Munashe (Member)</p>	<p>Munashe is a Civil engineer by profession. He joined the Ministry of Water Resources and Infrastructural Development and the subsequent institutions formed in accordance with the New Water Act, 1998 i.e. ZINWA, Catchment and Sub-Catchment Councils. Munashe is keen on continuous professional development and this has seen him participating on dozens of CPD courses in Netherlands, Kenya, Japan, Mauritius, Sweden and South Africa. Munashe has served as an interview panellist of ZIE, ZIE Finance Committee member, Act and Rules committee member and ZIE Congress and UNESCO AEW 2015 organising committee member. Munashe is married to Esnath and the couple has six children.</p> <p>Summary of Positions Held from June 1991 CEO- Upper Manyame Sub-Catchment Council Catchment Co-ordinator- ZINWA Project Resident Technician- Min of Water Development Projects Technician- Min of Water Development Technical Assistant- Min of Water Development Accounts Clerk- Min of Water Development</p> <p>Membership Member of the Zimbabwe Institution of Engineers Member of the Global Water Partnership</p>
<p>Nemasasi Godwin (Member)</p>	<p>Engineer Godwin Nemasasi graduated from the University of Zimbabwe in 1994 with B-Tech Electrical Engineering Honours Degree. Engineer G. Nemasasi had Industrial training with Retrofit, being based at the New Reserve Bank Construction Site. He went on to join Manicaland Electrical upon graduating until 1997, and then joined CNM & Partners until 1999. Engineer Nemasasi went on to join Telone until 2000 when he moved on to newly setup Tele access until 2004. Engineer Nemasasi left Tele access and joined CNM-YBJ Consulting Engineers, where he is a partner up to now.</p> <p>Engineer Godwin Nemasasi started off as a graduate engineer with Manicaland Electrical, went on to be a Building Services Electrical Engineer with CNM & Partners, moved on to be a Power System</p>

	<p>Engineer with Telone in the Electrical Power & Air Conditioning (EPAC) Planning Department, moved on to become Manager Technical Services at Tele access, and finally is a Shareholding Director at CNM-YBJ Consulting Engineer.</p> <p>Engineer Godwin Nemasasi is the current Board Chairman for CNM-YBJ Consulting Engineers. He was also the Telone Board Chairman from 2010 up to 2012, having been in the Telone Board from 2007.</p>
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<p>Nhachi Betty (Fellow) F</p>	<p>Educational Qualification</p> <ul style="list-style-type: none"> □ MSC Environmental Management (Freestate University, SA) - 2004 □ BSC (Hons) Chemical Engineering (Teesside University, UK) – 1986 □ Quality Management Systems to ISO 9001 Standard (ISO/GENEVA) □ Environmental Management System Auditor to ISO 14001 (SABS/SA) □ Business Excellence Trainer and Facilitator – (Crandelta Associate (UK) □ Energy Management System – CSIR (SA) <p>2. Membership of Professional Associations</p> <ul style="list-style-type: none"> □ Fellow Member of the Zimbabwe Institute of Engineers □ Certified Professional Engineer – Engineering Council of Zimbabwe □ Member of the Business Council of Sustainable Development of Zimbabwe □ Member of the Professional Women Executive in Business. □ Member of the United Methodist Church <p>3. Board Membership</p> <ul style="list-style-type: none"> □ Zimbabwe Energy Regulatory Authority (ZERA) – Board Member □ Zimbabwe Institute of Engineers(ZIE) – Board Member □ Rock Chemical Fillers (PVT) LTD – Board Director □ SECURICO Security Services (PVT)LTD – Board Director □ Lay Leader at Innecity Harare United Methodist Church - 2012-2015 <p>4. Technical Committees</p> <ul style="list-style-type: none"> □ Standard Association of Zimbabwe (SAZ) – Chairperson of the Standard Council on Chemicals and the cosmetic technical Committee □ National Manpower Advisory Council (NAMACO) – Committee Member □ Zimbabwe Institute of Engineers(ZIE) – Women In Engineering Vice Chairperson □ Mentor for PROWEB women in business □ Chairs the Petroleum sub-committee in the ZERA board □ Committee member in the Risk & Audit and Electricity Sub-committees in the ZERA board <p>5. Professional Experience</p> <ul style="list-style-type: none"> □ Current Employment :She is the Managing Consultant for BN Environmental Consultancy (Pvt) Ltd since 2004 to Date and she has also worked for the following companies □ CAFCA – Technical Manager □ Hunyani Pulp and Paper – Production training Engineer/ Quality Assurance Manager
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The Standard Association of Zimbabwe – Product Mark
 Certification Inspector
 Public Service Commission – Lecturer at Harare and Bulawayo
 Polytechnic

6. EIA Projects conducted	Project Name	Name of Client
1	Proposed 42 Deka pipeline from the Deka river source to the water Treatment Plant - Hwange Power Station River Water Intake System pipeline	Zimbabwe Power Company, Zimbabwe
2	Proposed Dotito Limestone Quarrying Project	Rock Chemical Fillers
3	Road over Rail Bridge at km 13+500 Peg on the Harare-Mutare Road as part of the dualisation of the Harare Mutare road	Ministry of Transport, Communication and Infrastructural Development, Zimbabwe
4	Drilling of Three Test Boreholes at Lambourne Limestone Deposit by Lafarge Cement.	Lafarge Zimbabwe
5	Proposed United Methodist Church Building Construction	United Methodist Church
6	EIA for the Sunungukai Eco-Tourism Project	Wilderness Africa Trust, Zimbabwe
7	EIA for the Garura Eco-Tourism Project	Wilderness Africa Trust, Zimbabwe
8	EIA for Petrol Service Station and accompanying works	Sakunda Energy - Mutare
9	EIA for Fuel Loading Bays for (Petrol, Diesel and Paraffin)	Sakunda Energy-Mabvuku - Harare

7. Other Projects Conducted – Development of Quality and Environmental Management systems.

No	Project Name	Name of Client	Date Company Certified by SAZ
1.	2. Development of ISO9001 Quality Management Systems 3. Development of ISO 14001	SECURICO	2006

		Environmental Management Systems		
	2.	Development of ISO 14001 Environmental Management Systems	Zimbabwe Fertilizer Company	2009
	3.	Development of ISO9001 Quality Management Systems for 6 hotels	RTG	2010
	4.	Development of ISO9001 Quality Management Systems	Fidelity Life Assurance	Re-certification 2010
	5.	Development of ISO9001 Quality Management Systems	ZIMRA	In progress

<p>Nkala Lawrence (Member)</p>	<p>Engineer Lawrence Nkala is an accomplished ICT expert with over 20 years' experience in Telecommunications/ICT business. He holds a BSc Honours degree in Electrical Engineering and a Master's degree in Business Administration (MBA).</p> <p>Lawrence is a Chartered Engineer (CEng), a member of Zimbabwe Institution of Engineers (MZweIE) and the Institution of Engineering and Technology (MIET) of United Kingdom. He is a registered engineer with the Engineering Council of Zimbabwe Pr(Eng) as well as the Engineering Council of United Kingdom</p> <p>Lawrence is the Technical Director for Tel•One Zimbabwe. He is responsible for crafting and executing Tel•One's Technology Strategy. Currently, he is working on the network transformation and modernization project for the incumbent Operator.</p> <p>Nkala has experiences in Telco strategy formulation, network transformation and customer service</p>
<p>Nyamutswa Itai (FZweIE)</p>	<p>VISION: Bringing reformation in the Electricity Industry through being part of a progressive organization which fosters growth and allows innovation.</p> <ul style="list-style-type: none"> • Currently employed at ZETDC as a Principal Protection Engineer. Just completed MBA with University of Gloucestershire in conjunction with Open Learning Centre • PRINCE II Practitioner • A holder of a Bachelor of Science (Honours) Degree in Electrical Engineering Post graduate • trained in ZETDC (2008 -2009) • Wide experience in Project Management including designing, testing and commissioning of • Distribution and transmission sub stations. • Attended Factory Acceptance Tests for Protection and Control relay panels, transformer and • Reactor. • Holder of ZESA 132kV Senior Authorisation. • A leader who is a team player and able to work under various conditions. • A Member of the Zimbabwe Institute of Engineers (MZweIE). • A Member of Institute of Engineering and Technology (MIET)
<p>Siso Bhukosi (Fellow)</p>	<p>Born in 1960 being the 4th child from a family of six (6), i.e. three (3) girls and three (3) boys.</p> <p>Married to Letitia for 26 years and blessed with two (2) children, both University students in South Africa.</p>

	<p><u>EXPERIENCE</u> Started employment in 1985 with the then Electricity Supply Commission (ESC) as a Post Graduate Trainee Engineer and thereafter rose from Engineer to Senior Engineer, Section Engineer and currently is a Distribution Services Manager with the Zimbabwe Electricity Transmission and Distribution Company (ZETDC) responsible for Research and Development, Metering Functions and Transport Division. He has 30 years' experience in the engineering field. While working for ZESA he completed two Masters Degrees at the University of Zimbabwe :</p> <p>(1) MSc in Renewable Energy (2) MBA – Master of Business Studies Currently he is a Doctorate student.</p> <p><u>PROFESSIONAL</u></p> <ul style="list-style-type: none"> • Fellow of the Zimbabwe Institute of Engineers (FzweIE) • Member of the Institute of Engineering Technology (MIET) – UK • Member of the Institute of Leadership and Management (MInsLM) – UK • A Chartered Engineer • He is currently the Board Chairman of the Power Institute of East and Southern Africa (PIESA) – Chairing the Institute of Electricity Distribution Utilities from Cape Town in South Africa to Kampala in Uganda.
<p>Tsvuura William (Member)</p>	<p><u>Personal Profile</u> William is a Civil Engineer with a BSc. Honours Degree in Civil Engineering. He is in his second and final year of his Masters of Business Administration at the Midlands State University. He is a Member of the Zimbabwe Institution of Engineers (ZIE) and is registered with the Engineering Council of Zimbabwe (ECZ). He was ZIE Masvingo Area Treasurer (2013-14). He is currently member of St Johns High Board of Governors where he chairs the Technical committee. He is an Engineer in the Design and Construction section of the Zimbabwe National Water Authority with over 8 years' experience in Water infrastructure Design, Construction and Operations. He has worked for the Department of Roads, JNK Civil Engineering in South Africa and ZINWA. He has gained experience in Engineering Design and Construction, Maintenance, Occupational Health, Safety & Environmental (OHS&E) Management Systems, Project Management, Total Quality Management (TQM). William is married and is blessed with two children</p>
<p>Zimwara Silba C. (Member) F</p>	<p>Project designing, planning, budgeting, equipment and construction type specification, Project management and contract administration , Projects' materials (sourcing) management and planning, pre-commissioning, commissioning and handover of plant. (Substations</p>

	<p>and lines) Approval and design of works programmes, site supervision & quality control, cost control and cash flow estimates. Human resources management, management information systems and risk management for the District. Preventive maintenance of district plant and equipment. Staff development and training – training programmes for students and apprentices. Safety: Use of by-laws and regulations by staff, Accident elimination, Safety meetings, Electrical installation inspections. Network development: Preventive maintenance plans, Load forecasts, Developing network rehabilitation master plans, Establish annual, weekly and monthly project action plans and implementation in liaison with Depot Forepersons November 1995 to April 1997 Zimbabwe Electricity Supply Authority (ZESA) Post Graduate Trainee Various Sections (Hwange PS, Head Office, Harare Environs District, Protection, Metering, Workshops) Trained and learn in the following areas; Power Plant Electrical Maintenance at (Hwange Power Station), District Operations and Maintenance (Covered ACE Surveys, Substations and 33kV and below lines construction and maintenance including faults), District Administration (Processing of applications for connections, Electrical Installations Inspections and Human Resources Management aspects all covered), Transmission Substation Projects (Projects design, planning & management of HV Substations and lines from 33 to 330kV incl. Equipment inspection, testing and commissioning), Systems Protection (HV Power system protective scheme designing, Relay grading, preparations of specifications of control and protection equipment. Professional Qualifications Executive Masters in Business Administration (EMBA) NUST (2003-2005) Bachelor of Technology Electrical Engineering (Honours) UZ (1990-1994) Memberships of Professional & Social Associations 2012 --: Member of Project Management Institute of Zimbabwe (PMZ) 2010--: Parents Assembly Committee Vice Chairperson/Secretary - Midlands Christian College 2010 to date 1999 --: Member of Zimbabwe Institution of Engineering (ZIE) Key Personal Attributes Discipline, integrity, honesty, loyalty, dedication, achievement of results, passion for hard work, focus and commitment. Objectives To ensure that the Engineering field benefit Zimbabwean people,</p>
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	<p>with the aim of having each rural homestead electrified. My vision is to see each homestead accessing energy services in one form or the other, inclusive of renewable energy.</p> <p>Key Skills Strategy Formulation and Implementation Communication, Team Building, Service Excellences, Innovation and creativity, entrepreneurial skills</p> <p>Relevant Career Highlights Developed Processes and procedures manual for the Agency. Participated in the development of Safety Health Environment and Quality (SHEQ) Strategy for the Agency Learning in Results Based Management Systems Learning in Risk Management System MV Network Reticulation Design and Rehabilitation</p>
<p>TECHNICIAN NOMINEES</p>	
<p>Karudze Ishamel</p>	<p>B-Tech electrical power engineering, University of South Africa (2016 Final year student)</p> <p>PROFESSIONAL QUALIFICATIONS Diploma (General Management Development Course) Advanced Technician Diploma in electrical engineering Theory City and Guilds Certificate of Skilled Worker Class 1 Proof of Completion of Apprenticeship. National Diploma in Electrical Power Engineering National Certificate in Electrical Power Engineering</p> <p>EMPLOYMENT HISTORY Jan 2008- On-going. Foreman Electrician/ Technician (Electrical Works Turbines at Hwange Thermal Power Station. Power plant has a total of 6 generation units, 4 at 120megawatts each and 2 at 220 megawatts each) -133/245 MVA Generator maintenance. Brush gear maintenance. -133/245, MVA Generator Transformer Maintenance. -Generator Excitation Systems Maintenance (static thyristor driven). -Station Battery Maintenance (50V, 110V, 220V DC). -Generator and Turbine auxiliary Plant Maintenance (pumps, oil separators). -Training (Subordinates) -Supervision of electrical staff (artisans, artisan assistants and apprentices) -Electric motor overhauls (up to 1100KW). -Motorized actuators maintenance, and stroke checking (AUMA, DREHMO, ROTORK actuators). -Lighting systems repairs and maintenance. -Standby duty cover. -11KV/3.3KV/380V Switchgear maintenance. -Programmable logic controllers for running pumps.</p>

	<p>-Station emergency supply systems maintenance (diesel generators) -Motor overhauls, motorized actuator overhauls, electric valves maintenance. -100 tonne overhead cranes maintenance, electrical control type THYROMAT-BD digital controller. -Work order management using SAP (Systems Application Products. Maintaining documents. Adhering to safety procedures, Quality conformity ISO 9001:2008. Pre-task risk assessment procedures. Toolbox talk. -Budgets and cost estimation. Manpower and resource utilization. -Project management with contractors and original equipment manufacturers.</p>
<p>Mutsata G. TECHNICIAN</p>	<p>PROFILE: My career has led me specialize increasingly in the management of Telecomm equipment and Human Resources at district level Skills Base Lead operations staff in installations and maintenance of quality telecommunications services. The ability to effectively manage the financial resources as proven by meeting the 2015 target on controllable costs in Harare South District. Liaise with Sales and Marketing Department for business growth opportunities. Attended an Abridged Management Development Programme (AMDP) course and got deeper understanding on Strategic Management. Leadership and human management skills e.g. Team building, coaching. etc. Time-efficient, systematic working methodology. Acting as a role model on company culture for junior staff by setting high standards through personal behavior and actions. Rapid adaptability to new problem-solving and new locations. Languages: English, Shona, Buja, Ndau and Manyika. PROFESSIONAL CAREER: 1.Current position : Operations Manager Harare South Sept 2014 - Date Achievements Reduced drastically the Fault occurrence rate (FOR) for Southerton, Glenview and Hatfield. Facilitated at managerial level through meetings with Implementation department in the provision of FTTH solution to Mainway Meadows and Diaspora. Completed several quick win projects in the district. Member of the Zimbabwe Institute of Engineers (ZIE) and participate in interviewing applicants as one of the Interview panel. 2.Operations Manager Chipinge : Feb 2009 – Oct</p>

	<p>2014</p> <p>Achievements</p> <p>Coordinated and managed the changeover of the Microwave link (CHP-MTE) which was permanently down (from Italtel RT5a analogue radio to Net one digital Radio) in year 2010.</p> <p>Coordinated and managed the replacement of the Italtel RT5a in Chipinge and Chimanimani with Nera and AWA radios respectively in year 2010.</p> <p>Coordinated and managed the completion of several projects e.g. CHP new complex, Gaza O, Tilbury, Mt Selinda and CHP-Clear water etc.</p> <p>Coordinated and managed the screening of all exchange doors for the five exchanges in the district by 2012.</p> <p>Facilitated the installations of five access radios in the district in 2013</p> <p>2. Acting Operations Manager Chitungwiza December 2007 – February 2009</p> <p>3. Chief Telecomms Technician (CTT) Chitungwiza October 2005- December 2007</p> <p>Achievements</p> <p>Upgraded the Access Network in Unit J in Chitungwiza.</p> <p>Obtained the class 4 driver of the year award.</p> <p>4. Team Leader Sanyati February 2003 –September 2005</p> <p>Achievements</p> <p>Upgraded the Access Network in Chiedza and Gunhill area in Sanyati.</p> <p>Rewired the alarm circuits which had been vandalized by the previous Team Leader.</p> <p>5. Telecomms Technician May 1994 – January 2003</p> <p>Achievements</p> <p>Maintained all the PABXes in Kadoma.</p> <p>Maintained all the PABXes in Chegutu including the Surisuri air base</p> <p>Attended to all major cable faults in Norton.</p> <p>Professional Qualifications</p> <p>1. Current Studies :Midlands State University (MSU)-Undergraduate in Telecommunications</p> <p>2. University of South Africa (UNISA) 2014- Bachelor of Commerce (BCOM) in Management</p> <p>3. Centre for Excellence in Telecom Technology& Management(CETTM) India 2014- Certificate in Telecom Management</p> <p>4. City and Guilds 1997- Full Technological Certificate (FTC) in Telecommunications</p> <p>5. Post and Telecommunications Corporations(PTC) 1994- Telecommunications Technician Diploma</p> <p>6 .Cross Training</p>
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	<p>Switching (strowger) Switching (Fetex 150)</p>
<p>Nyangami Washington T. (Technician)</p>	<p>I am an Electrical Power Engineering Chief Technician, currently studying for an HND in Electrical Power Engineering at Kwekwe Polytechnic. Proven skills in EHV, HV, MV electrical plant maintenance and operations with switching authorisation up 400KV at Grid Level and sub transmission. Have a background of human resources management, office administration, stores management, fleet management using the SAP management system. Proven experience in Electricity Generation both Thermal and Hydro, having worked as a qualified maintenance electrician at Power Stations. I am versatile, reliable and efficient in meeting set deadlines. An up to date Technician Member of the Zimbabwe Institute Of Engineers. Engineering Council of Zimbabwe Licenced practising Technician. Committed jogger who participates in annual marathon events such as the Econet Victoria falls, Old Mutual Vumba marathon races.</p>
<p>Waniwa Veronica (TECHNICIAN) F</p>	<p>Career Objectives</p> <ul style="list-style-type: none"> • Achieve engineer status in electrical engineering and become a leader of a successful power and industrial process control system packages developer. <p>ACADEMIC & PROFESSIONAL QUALIFICATIONS</p> <p>HND in Electrical Power & Control Engineering: Harare Polytechnic (2005-2006) National Diploma in Electrical Power Engineering: Harare Polytechnic (1999) Diploma in Education and Training: Gweru Technical College (1995) Zimbabwe Advanced National Craft Certificate (Electrical Plant installation & Maintenance). Mutare Technical College (1993) Zimbabwe National Craft Certificate (Electrical Plant Installation & Maintenance) Mutare Technical College (1991) Class 1 Electrician Journeyman Certificate (1992) Ordinary Level Certificate St Johns Secondary School (1987)</p> <p>OTHER QUALIFICATIONS</p> <p>Executive Diploma in Business Leadership (ZIM 2014) Project Management (ZIE 2014) Maintenance and Assets Management (ROLAND BEIGH</p>

	<p>CONSULTING 2014) Integrated Internal Auditor (AFROCARE 2012) Refrigeration and Airconditioning (2010) Bearing Technology (NSK 2010) Concept 5 & 6 PLC Programming (SCHNIEDER 2010). Incident Investigation Level 3 (NOSA 2010). 33kv High Voltage Switching Certificate (ZESA 2008). .2012Supervisory Development Program Certificate (SDP 2008). .Facilitation: Trained DACUM Facilitator (ZOSS 2004). .Leadership & Governance: (WLGI 2002) .Counselling: Trained Counsellor. (NACC 2001)</p> <p>ORK EXPERIENCE</p> <ol style="list-style-type: none"> 1. Engineering Training Superintendent at Mimosa Mining Company 2010 to date. 2. Acting Human Resources Development Manager at Mimosa as from the 6th of February 2012 to August 2012. 3. Electrical trades Training Officer at ZISCOSTEEL and Hippo Valley Estates from 2006 to 2007 and from 2007 to 2010 respectively. 4. Principal Training & Trade Testing Officer under the Ministry of Higher & Tertiary Education from 2002 to 2006. 5. Technician Demonstrator /Lecturer at Mutare Technical College and Harare Institute of Technology in the Electrical Department from 1992 to 1998 and 1998 to 2002 respectively. 6. Electrician from 1991 to 1992 at Intertec Grid Zimbabwe.
GRADUATE NOMINEES	
<p>Masasi Moses GRADUATE</p>	<p>Moses Nyasha Masasi is a 25 year old male who graduated from the University of Zimbabwe in 2014 with a BSc (Hons) in Civil Engineering Degree. He has been a member of the ZIE since 2011 as a student and became a Graduate Member in 2015. Moses is currently employed at CNM-YBJ Consulting Engineers, where he has been a Student Civil Engineer from January 2011 until May 2014 upon which he became a Graduate Civil Engineer. Throughout this period Moses underwent training as a Student Civil Engineer and as a Graduate Civil Engineer. As a Graduate Civil Engineer I have been a Resident Engineer in the Bikita Low Density Housing Development Project in the year 2014. I have also been on the Design Team for projects such as Stoneridge Housing Project and MSU Graduate School Library in 2015.</p>
<p>Njagu Brian GRADUATE</p>	<p>Brian acquired a BSc Honours degree in electrical engineering from the University of Zimbabwe in 2014. He is a highly motivated and result driven individual with a keen eye for detail; skilled at</p>

	<p>synthesizing and editing information to achieve overall objectives. His project in the final year of study was based on a low cost design for a maximum power point tracker for a stand-alone photovoltaic system. He managed to implement the perturb and observe algorithm in the microcontroller and the prototype worked perfectly. For his third year project, he carried out a feasibility study on implementation of a smart grid in Zimbabwe using the current ZESA grid. His research interests include renewable energy, smart grid technology, machines and drives. During his final year at university of Zimbabwe, he served as the electrical student representative for the department of electrical engineering.</p> <p>He is currently employed as a graduate trainee electrical engineer at Mimosa mining company. For the past one year of training, he has gained valuable technical experience and also developed personal effectiveness within a corporate environment along with an understanding of the company's core business activities. He has managed to implement a number of projects at the mine including power factor correction at the load side for big electric motors to achieve a compromise between the two solutions of distributed and centralized power factor correction. He also managed to install rip detection system for a 2 km main conveyor belt thus reducing down time. He has been successful in the performance of all work entrusted to him. Brian has also gained a wealth of practical experience through internship in 2014 working for Harare power station. Earlier on he had been attached in the Southern region working For ZETDC.</p> <p>As a way to refine his technical skills in power systems, he recently attended a 132 kV switching training course at the ZESA National training Centre. Also to sharpen on his management skill he also recently received training on principles of management and also team effectiveness.</p>
<p>Martin T. Sibanda GRADUATE</p>	<p>Key Qualifications</p> <ol style="list-style-type: none"> 1. Six Years' experience in asset care (planning & operations), project management and building services/Facilities Management. 2. Studying for a MEng degree in Manufacturing Systems and Operations Management with NUST, 3. BEng (Hons) in Industrial & Manufacturing Engineering (NUST, 2009 degree class 2.1,) 4. Final stage of Post Graduate Diploma in Project Management with PMIZ,(Dissertation)

	<p>5. Computer literate with extensive experience with MS Office, simulation software, AutoCAD, MS Project and Computerised Maintenance Management systems.</p> <p>Impala Platinum Holdings Subsidiary (Mimosa Mining Company), Position: Assistant Mechanical Engineer-from December 2011 to December 2013.</p> <ol style="list-style-type: none"> 1. Formulation of Standard Operating procedures and Code of Practice. 2. Departmental Budget formulation and management. 3. Implementing and enforcing adherence to Mimosa Business Management System. <ul style="list-style-type: none"> • OHSAS 18001:2007 Occupational Health & Safety Assessment series • ISO 14001:2004 Environmental Management System • Statutory Regulations and Requirements: <ol style="list-style-type: none"> i. S.I.109 of 1990 (Mines Management & Safety Act). ii. Factories & Works Act. <p>Customer Advisor, Barclays Bank Plc. Zimbabwe - from 20 October 2011 to 30 November 2011 Willowvale Mazda Motor Industries, Intern Engineer - from 21 November to 30 September 2008.</p>
Mhambure Tafadzwa (Graduate)	<p>ACADEMIC QUALIFICATIONS</p> <ol style="list-style-type: none"> 1. National University of Science and Technology 2010 – 2015 B.Eng. (Hons.) Electronics Engineering <p>PROFESSIONAL QUALIFICATIONS</p> <ol style="list-style-type: none"> 1. Quality Management Systems ISO9001:2015 (S.A.Z), 2016 2. SIEMENS ST-7SERV2 Service and Maintenance Part 2 (Certificate) – Delta Technical Training Institute, 2014 3. SIEMENS ST-7SERV1 Service and Maintenance Part 1 (Certificate) – Delta Technical Training Institute, 2014 4. SIEMENS S5 Part 1 & 2 (Certificate) – Delta Technical Training

	<p>Institute, 2014</p> <p>EXPERIENCE</p> <p>December 2015 – Present: Mutare Bottling Company - Engineering Graduate Trainee</p> <ul style="list-style-type: none"> <input type="checkbox"/> <input type="checkbox"/> In charge of Engineering projects and plant maintenance department <p>July 2013 – September 2014: Mutare Bottling Company - Engineering Attachee</p> <ul style="list-style-type: none"> <input type="checkbox"/> <input type="checkbox"/> Responsible for attending to instrumentation, electronics and electrical maintenance <p>January – August 2010: Renco Mine, Nyabata High School</p> <ul style="list-style-type: none"> <input type="checkbox"/> <input type="checkbox"/> Relief teacher (Mathematics & Physical Science) <p>ZIE MEMBERSHIP: GRADUATE MEMBER</p> <p>PERSONAL ATTRIBUTES</p> <ul style="list-style-type: none"> <input type="checkbox"/> <input type="checkbox"/> Good team player <input type="checkbox"/> <input type="checkbox"/> Flexible and open to continuous learning and perfection <input type="checkbox"/> <input type="checkbox"/> Honest and hard working <p>SOCIAL RESPONSIBILITIES AND HOBBIES</p> <ul style="list-style-type: none"> <input type="checkbox"/> <input type="checkbox"/> Involved in charity work (Mutemwa Leprosy Centre & Mustard Seed Children’s home) <input type="checkbox"/> <input type="checkbox"/> Playing rugby
<p>Shoko Selina (Graduate) F</p>	<p>CAREER OBJECTIVES:</p> <ul style="list-style-type: none"> ➤ Make significant contributions to the growth of companies through the formulation and implementation of effective Civil Engineering

solutions.

- Acquire more knowledge concerning Civil Engineering in heavy industries.
- Deliver quality service derived from continuous study, design and research.

ATTRIBUTES:

- Confident and self-driven person with excellent communication and analytical skills.
- Knowledge of **ZESA Mechanical and Electrical safety rules**
- Knowledge of **ISO 9001:2008 QMS**
- Knowledge of the **Power Purchase Agreement (PPA)**
- Knowledge of **Factories and Works act**
- Knowledge of MS packages including MS Projects
- Understanding of BS8110 (Reinforced concrete design Code)
- Understanding of BS5950 (Structural steel design Code)
- Proficient in AutoCAD™ and PROKON™
- Member of Zimbabwe Institute of Engineers (ZIE 155577) and Institution of Civil Engineers(ICE)
- Able to work in a team or independently to achieve set targets.

PROFESSIONAL QUALIFICATIONS

Institution: National University of Science and Technology (NUST)

Qualification: BSc Honor's Degree in (Civil & Water) Engineering

Class: Upper 2nd (2.1) (2008-2013)

WORK EXPERIENCE:

1. Zimbabwe Power Company: Graduate Civil Engineer (02/2014 to 02/2016)
 - Hwange Power Station expansion project topographical and geotechnical surveys
 - Hwange Power Station Guest House expansion project
 - Hillside Park sewage pump station, Ingagula Sewage treatment plant refurbishment projects
 - Stability assurance checks on Station structures including ash dams, chimney stacks, cooling towers, steel and concrete structures
 - Don Bosco (20) Houses construction
 - Ash Plant Control Room Construction
2. ZESA Enterprises: Civil Engineering Intern (08/2011 to 08/2012)
 - Glen Norah, Grey-stone Park, Mufakose substation construction

<p>Shoniwa Kundai (Graduate) F</p>	<p>Summary Miss Kundai Shoniwa is a driven young female civil engineering graduate currently employed by Ascon Africa. Kundai`s passionate to give back and help build people and sustainable economies, led her to establish Adopt an Engineer, a Scholarship Trust whose aim is to promote the engineering profession by empowering young aspiring engineers within Africa. Adopt an Engineer Trust offers financial incentives and mentorship to recipients, with the desire to groom them into globally oriented leaders. Kundai`s advocacy for girl child education, ensures that over 65% of scholarships are awarded to the girl child. She believes the one way Africa can regain and maintain its glory is through the engineering profession. Therefore she and her team are committed to investing in engineering education, to ensure improved quality of leaders, birthed in Africa.</p> <p>Academic Profile 2003 - 2006 Marist Brothers Secondary School o Head girl in 2006 o Board Member of the Schools Development Club in 2006 2007 - 2008 Bulawayo Adventist High School o Vice President of the Debate Club 2010 - 2015 National University of Science and Technology (Honors Degree in Civil and Water Eng) o Intern at ARUP Zimbabwe (Pvt) Ltd (2013-2014)</p> <p>Professional History Jan 2016 - Present Founder and CEO of Adopt an Engineer Trust Nov 2015 - Present Employed as a Graduate Civil/Structural Engineer at Ascon Africa July 2014 - Present ZIE Students Rep (ZIE Board)</p>
<p>STUDENT NOMINEES</p>	
<p>Mudhindi Munashe (STUDENT)</p>	<p>CURRENT ACADEMIC DETAILS: Student at: National University of Science and Technology (NUST) Programme: B. Eng. (Honours) Degree in Civil and Water Engineering.</p> <p>DUTIES AND RESPONSIBILITIES: 2014-2016 Student Representative for Zimbabwe Institution for Engineers (ZIE) Matabeleland region Achievements as Student representative for the region. 1. Organized four engineering seminars at NUST. 2. Participated in the career fares organized in the region. 3. Orientated new engineering students at NUST on behalf of ZIE BULAWAYO REGION.</p>

<p>Sekerere Kudzanai (STUDENT)</p>	<p>PERSONAL ATTRIBUTES Energetic, attentive to detail, professional, possessing unquestionable integrity with excellent interpersonal and management skills and the ability to multi-task and work under pressure with minimum supervision, charismatic, able to work with people of different faiths, result-oriented, submissive team player and keen to learn and excel.</p> <p>KEY SKILLS</p> <ul style="list-style-type: none"> - Proficiency in Microsoft Office packages (Word, Excel, PowerPoint and Outlook) up to MS Office 2013. - Knowledge of AutoCAD and C++ programming. - Able to explain technical design ideas clearly. - Self-motivated with a positive and friendly attitude. - Excellent interpersonal, communication and reporting skills (both Oral & Written). <p>WORK EXPERIENCE</p> <p>Zimbabwe Power Company (Bulawayo Power Station) – (Engineering Intern), Mar 2015 - Present</p> <ul style="list-style-type: none"> <input type="checkbox"/> Managing maintenance of all power generation equipment to achieve targets within regulatory compliance and operating budgets. <input type="checkbox"/> Implementing preventative and predictive maintenance for all thermal power generation equipment hence reducing over-runs. <input type="checkbox"/> Installation, Commissioning & Servicing of all mechanical power plant equipment. <input type="checkbox"/> Condition monitoring and remedial action on running plant. <input type="checkbox"/> Technical problem resolution, technical specification and report writing, and technical evaluation of tender bids. <p>Delta Beverages Zimbabwe- (Brand Ambassador for Super Sip Dairy Drink) Dec 2013- Feb 2014</p> <p>Edgars Joina City- (Administration Clerk), Jan 2013- Aug 2013</p> <p>Gunta Electrical (Pvt) Ltd - (Assistant Technical Manager), Dec 2011- Aug 2012</p> <p>Vascor Communications- (Sales Representative), May 2011- Aug 2011</p> <p>EDUCATION & TRAINING</p> <p>Current Studies Bachelor of Science Honours Degree in International Marketing</p> <p>Institution Chinhoyi University of Technology (Aug 2012 – Present)</p> <p>2011 3 Advanced Level (Cambridge) passes in Mathematics,</p>

	Physics and Computer Science
Shoko Tendai (Student)	<p>I believe in hard work, integrity, teamwork and discipline .I seek an opportunity to show my potential and in the process attain personal growth and career development .My vision is to become a high profile professional through academic and practical excellence.</p> <p><u>CAREER OBJECTIVES</u></p> <p>To achieve professional proficiency noted in academic excellence and rise steadily up in my career through hard work and continuous development. Also, it is my desire to work in an environment that offers intellectual challenge which helps boost career development.</p> <p>Professional Qualifications</p> <p>Bachelor of Engineering Honours Degree in Mechatronics Engineering 11 'O' Level Subjects ZIMSEC: Sanyati Baptist High School 2006-2010 3 'A' Level Subjects ZIMSEC: Jameson High School 2011-2012</p> <p>Leadership Positions held</p> <ol style="list-style-type: none"> 1. Jameson High School <ul style="list-style-type: none"> • Prefect • Head of House ,Warne House • President of the Red Cross First Aid team • Vice president ,LEOS International Club • Secretary of Scripture union 2. Chinhoyi University of Technology <ul style="list-style-type: none"> • Chairman of Manyame Hall of Residence Committee (August to November 2015) • Project Coordinator of The Salvation Army Student Fellowship(2013 to date) <p>Archievements</p> <ul style="list-style-type: none"> • Third best EMA National Debate Team.2011 • Best student for the Tsungirirai District Quiz Competitions.2011 • Best student for the National Aids Council District Quiz competitions.2012

	<ul style="list-style-type: none">• Third best student for the National Aids Council Provincial competition.2012• Ambassador of the Environment Africa Youth Kadoma 2012• BOOST/ENCATUS 3rd Place National BOOST Competition 2014• 4TH Place ZUSA Competitions (Rugby) 2015 <p>Computer Literacy</p> <ul style="list-style-type: none">• AutoCAD/AutoDesk 2007• Maple Software• MATLAB• Microsoft Office 2013
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