

<b>Name and Surname</b>	<b>Farai Mambwere</b>	
<b>Company Name</b>	<b>Ariel Energy Solutions CC</b>	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	<b>Y</b>
	Urban Water Management	
<b>Qualifications</b>	Bachelor of Technology (Honours), Electrical Engineering. Certificate No EN2116. (SAQA Evaluation: B. Tech: Engineering Technology. NQF, Level 7, Certificate No 0254749). Master of Science in Environmental Management & Policy, Certificate No 680606-P732. (SAQA Evaluation: Master of Environmental Management. NQF, Level 8, Certificate No 0254749). Applied Project Management, Certificate No 21976452; Certified Measurement & Verification Professional (CMVP), Certificate No 92288; Level 3 Certificate in Occupational Health & Safety, Certificate No C94532; Certified Energy Manager (CEM), No 90840.	
<b>Contact No.</b>	+27 82 268 2555	
<b>Email</b>	<a href="mailto:farai@arielenergy.co.za">farai@arielenergy.co.za</a> or <a href="mailto:fmambwere@gmail.com">fmambwere@gmail.com</a>	
<b>Province</b>	Gauteng	
<b>Summary of experience (maximum of one brief paragraph)</b>	<p><b>Experience</b> - extensive experience in industrial resource efficiency and cleaner production assessments which cover energy efficiency, water efficiency and material efficiency. Specific assessment work includes water efficiency audits and on-the-job awareness training, recommending water efficient technologies, wastewater recycling, development of measurement and monitoring programs for water usage. In addition, conceptual design of alternative solar water pumping options as a renewable energy option, if applicable.</p> <p><b>Motivation</b> - my passion for energy and environmental issues, practical experience in working with and in the private sector, government, Danida) and my academic qualifications and various skills development courses. My experience in the field spans more than 21 years.</p>	

<b>Name and Surname</b>	Adnan Abu-Mahfouz	
<b>Company Name</b>	CSIR	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	
	Urban Water Management	<b>X</b>
<b>Qualifications</b>	PhD	
<b>Contact No.</b>	Cell: +27 82 749 6265	Work: +27 12 841 2283
<b>Email</b>	<a href="mailto:Aabumahfouz@csir.co.za">Aabumahfouz@csir.co.za</a>	
<b>Province</b>	Gauteng	
<b>Summary of experience (maximum of one brief paragraph)</b>	<p>Dr Abu-Mahfouz received the MEng and PhD degrees in computer engineering from the University of Pretoria. He is currently a Principal Researcher Engineer with the CSIR Meraka Institute within the Network and Media Competency Area. He (co-)authored several research papers. His research interests are Software Defined Wireless Sensor Network (SDWSN), Network Management, Network Security, Low-power and long-range wireless sensor network. Currently, Dr Abu-Mahfouz is involved in several smart infrastructure projects that focus on enhancing South Africa infrastructure such as Smart Water Management System (SWMS) which is a collaborative project between CSIR, TUT and UP. Dr Abu-Mahfouz is the Chair of Tshwane Water Resource Management Network. The Network was established by the City of Tshwane's Research and Innovation Department to foster a culture of knowledge sharing and exchange. He is also an adjunct Research and Innovation Associate in the Faculty of Engineering and Built Environment at the Department of Electrical Engineering / F'SATI (French South African Institute of Technology).</p>	

<b>Name and Surname</b>	Faye Balfour	
<b>Company Name</b>	None – Independent Consultant	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	Yes
	Urban Water Management	Yes
<b>Qualifications</b>	MSc; Professional Natural Scientist.	
<b>Contact No.</b>	+27 82 533 9524	
<b>Email</b>	<a href="mailto:fayebalfour@gmail.com">fayebalfour@gmail.com</a>	
<b>Province</b>	KwaZulu Natal	
<b>Summary of experience (maximum of one brief paragraph)</b>	<p>Faye has been working in the South African water sector for 14 years, and has worked with all levels of government. She has been involved in a range of projects including the technical, institutional, financial and policy environments. Her role has often been to assist in determining best practice goals, and then helping with the planning, implementation and performance monitoring thereof. She is not a specialist in one aspect of the water sector, but rather a strategic thinker in the overall “business of water services”. This includes the issues around water use efficiency, non revenue water, and project financing. She ran the national DWS Regulatory Performance Measurement System, and was integrally involved in the Blue Drop, Green Drop and No Drop conceptualisation and implementation processes. In these roles, she has a detailed knowledge of the performance of all municipalities across the country, and has a fairly unique ‘water risk’ perspective. Faye is currently building on this ‘risk’ portfolio by undergoing training on how to prepare companies for the International Alliance for Water Stewardship (AWS) Standard certification.</p>	

<b>Name and Surname</b>	Bryan Maytham	
<b>Company Name</b>	Bryan Maytham and Associates CC	
<b>Track</b>	Water Efficiency in Industries	Y
	Urban Water Management	N
<b>Qualifications</b>	BSc (Chem Eng), BEng (Hons – Process Optimisation), BTech (Pulp and Paper)	
<b>Contact No.</b>	+27 78 695 6355	
<b>Email</b>	<a href="mailto:bryan@fulfil.co.za">bryan@fulfil.co.za</a>	
<b>Province</b>	KZN	
<b>Summary of experience (maximum of one brief paragraph)</b>	<p>Bryan Maytham has extensive experience in Process Engineering and Optimisation. More specifically, he has 6 years' experience working as a Process Engineer for Sappi across all their operating site in South Africa and 4 years working with Fulfil Energy. He is trained as an auditor of ISO 50001 and has experience in implementing this system. Bryan is also trained as a Certified Measurement and Verification Professional. Bryan founded Bryan Maytham and Associates CC, which trades under the name 'Fulfil Energy' in January 2012. With expertise in Process Optimisation, specifically focused on Resource Efficiency and Cleaner Production the business serves industry through the optimisation of predominantly Energy and Water Systems.</p> <p>The core team within Fulfil Energy also includes Warwick Hayes who has been a key partner in the business for the past 2 years. Warwick has had great success identifying and implementing economically attractive resource optimization opportunities, with a specific focus on energy and water systems, at Sasol Synfuels during a period of 8 years. He has recently worked and trained with KBC Energy Services in London who specialise in the optimisation of energy and water systems through the use of Pinch Technology.</p> <p>The Core competencies include:</p> <ul style="list-style-type: none"> <li>• Process engineering and optimisation (audits, modeling, design and optimisation)</li> <li>• Resource Efficiency and Cleaner Production specialists (focus on energy, water and waste systems)</li> <li>• Implementation of Management Systems (Trained as Lead Auditor for ISO 50001 and qualified as UNIDO Expert in EnMS Implementation)</li> <li>• Identification and implementation of engineering and business improvement solutions</li> <li>• Training and capacity building – qualified as expert trainer for the National Cleaner Production Centre for their Energy Management and Resource Efficiency and Cleaner Production Courses.</li> <li>• Lean and Six Sigma tools and methodologies</li> </ul>	

<b>Name and Surname</b>	Campbell Barnes	
<b>Company Name</b>	Vista Capital	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	Y
	Urban Water Management	Y
<b>Qualifications</b>	A.C.I.S, MBA, Harvard Business School - Business Marketing Strategy.	
<b>Contact No.</b>	+27(0) 83 2769616	
<b>Email</b>	<a href="mailto:barnesc@vistacapital.co.za">barnesc@vistacapital.co.za</a>	
<b>Province</b>	KZN, GAUTENG and Western Cape	
<b>Summary of experience (maximum of one brief paragraph)</b>	<ol style="list-style-type: none"> <li>1. Employment career started at Deloitte.</li> <li>2. 20 years of project and corporate finance experience with a focus on the clean technology sector (this includes water).</li> <li>3. CIO of Corporate Fund, R500m fund used to facilitate black economic empowerment into South Africa.</li> <li>4. CIO of Strategic Projects Fund for South Africa, &gt;R1Bn fund which included green projects. Focus on designing and implementing a fund that would initiate and or participate in projects that would have strategic impact for South Africa</li> <li>5. CIO of first Southern African clean technology fund, R750m. Investor included:</li> <li>6. IFC (a member of the World Bank Group), Castleway Properties (owned by the Tchenguiz Family Trust), the Swiss Investment fund for Emerging Markets (Sifem), Global Energy Efficiency and Renewable Energy Fund (GEREEF), Norwegian Fund (Norfund), Industrial Development Corporation (IDC), African Development Bank (ADB) and the Finnish Fund for Industrial Cooperation (Finnfund).</li> <li>7. I started Vista Capital in 2010, in short the business provides support to projects through all of the development steps <a href="http://www.vistacapital.co.za">www.vistacapital.co.za</a>. I would estimate that I have interacted with &gt;80% of all banks, development funding institutions and private equity funds in the clean technology sector for Southern Africa.</li> <li>8. Reviewed in excess of 1000 clean technology businesses and provided debt, equity and mezzanine finance to a broad array of businesses.</li> <li>9. Complimented each transaction with grants from industry and or government where possible. Success rate of 100% in past three years.</li> <li>10. Active in sourcing and structuring funding for early stages of project feasibility and development, a key area that presents good opportunity in Southern Africa. This has ranged from capital for technology development such as development and construction of a thin film PV plant in Cape Town to a water feasibility study and technology proposal in Namibia.</li> <li>11. All transactions have multiple parties with different mandates, agenda's and personalities. Appreciating each view point with strong understanding of legal and commercial requirements is Vista Capital's strong point and ensures that transactions are structured according to the project/business needs and the most suitable partners are secured.</li> </ol>	

<b>Name and Surname</b>	Kim Adonis
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<b>Company Name</b>	Genesis Analytics	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	
	Urban Water Management	Yes
<b>Qualifications</b>	Master of Commerce (Economics, Wits) Bachelor of Commerce Honours (Economics, University of Cape Town) Bachelor of Social Science (PPE, University of Cape Town)	
<b>Contact No.</b>	+27 82 557 8790	
<b>Email</b>	<a href="mailto:kima@genesis-analytics.com">kima@genesis-analytics.com</a>	
<b>Province</b>	Gauteng	
<b>Summary of experience (maximum of one brief paragraph)</b>	<p>Kim Adonis is the Manager of the Infrastructure and Public Private Partnership (PPP) Advisory Practice at Genesis Analytics. Kim is an economist with extensive experience in infrastructure, specifically within the water sector.</p> <p>Kim currently leads the appraisal of financial and economic viability of projects, as well as the mobilisation of private sector finance for water infrastructure projects for the Climate Resilience Infrastructure Development Facility (CRIDF) across 11 Southern African Development Community (SADC) countries.</p> <p>Kim has a range of experience in assessing Non-Revenue Water (NRW) within the urban context. She is currently leading the financial and economic appraisal for the Maseru Water Demand Management (WDM) pilot project for the Water and Sewerage Company (WASCO) in Lesotho. This project aims to isolate one WDM zone in Maseru and measure the extent of NRW and build a business case for reducing NRW through a range of technical, institutional and financial recommendations. In addition to this, Kim is compiling a proof of concept for the project to engage private financiers to invest in the replication of this pilot project into other WDM zones in Maseru.</p> <p>Kim was also a Senior Economist and Water Sector Leader at KPMG South Africa, Kim was part of KPMG's Global Centre of Excellence for Cities and much of her experience involved the project appraisal and transaction structuring of large infrastructure projects and PPPs. As the Water Sector Leader, Kim was responsible for providing strategic direction and technical input into KPMG's water sector advisory offering, including working at water boards and municipalities to reduce NRW. Kim assisted in the development of tools to assist in prioritising, sequencing and financing of infrastructure at local and national government level.</p>	

<b>Name and Surname</b>	Hazvinei Munjoma	
<b>Company Name</b>	Hazmu Consulting	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	<b>Y</b>
	Urban Water Management	<b>N</b>
	Water Financing Modalities	<b>Y</b>
<b>Qualifications</b>	BSc (Chemistry), Post Graduate Diploma (Chemistry), MSc (Chemistry), Masters in Business Administration (MBA)	
<b>Contact No.</b>	+27 73 242 9124	
<b>Email</b>	<a href="mailto:hmunjoma@mweb.co.za">hmunjoma@mweb.co.za</a>	
<b>Province</b>	Gauteng	
<b>Summary of experience (maximum of one brief paragraph)</b>	<p>I have worked on several Resource Efficiency Cleaner Production (RECP) project in several sectors in Southern Africa and Uganda. Notable projects include the Danida Cleaner Production in the Metal Finishing Industry, South Africa (2002-2004) which had a strong component on saving water in the electroplating industry. Among key stakeholders were the Water Research Commission, Department of Trade &amp; Industry, University of KZN, local authorities and Danish experts. Danish experts assisted in transfer of knowledge on water saving technologies like counter current rinsing systems, effluent treatment and wastewater recycling. In 1999-2002, I worked on a Danida Cleaner Production Technology in selected industries in Zimbabwe. Some of the industries included tanneries, dairies, abattoirs, electroplating and textiles. In 2004-2016, I have worked on several Danida B2B projects in Uganda promoting environmental projects including production process improvements, water conservation, effluent treatment and wastewater recycling. As part of the Hazmu Consulting team in South Africa (2011 to date), I have worked on several RECP projects in including high water consuming industries like pulp and paper and food processing. The projects involved conducting assessments to identify opportunities to save water, raw materials and energy. In conclusion, I have experience working with different stakeholders including national governments, local authorities, enterprises, industry trade associations and international development agencies like UNIDO, UNEP, AFD, Danida, DFID and European Union.</p>	

<b>Name and Surname</b>	Neal Bromley	
<b>Company Name</b>	JG Afrika (Pty) Ltd (Previously Jeffares & Green)	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	Y
	Urban Water Management	
<b>Qualifications</b>	B Tech (Civil Eng), Pr Tech Eng & Pr CPM	
<b>Contact No.</b>	033 343 6700 or 082 822 8017	
<b>Email</b>	<a href="mailto:bromleyn@jgafrika.com">bromleyn@jgafrika.com</a>	
<b>Province</b>	KwaZuluNatal	
<b>Summary of experience (maximum of one brief paragraph)</b>	<p>Neal Bromley, as a Technical Director of JG Afrika, has extensive experience in the water sector in both South Africa and Sub Saharan Africa. He leads a team of water engineers for JG Afrika and has considerable experience in managing multidisciplinary teams including, structural engineers, hydrological scientists, water governance consultants and environmental scientist. Neal's project experiences ranges from technical and management inputs into conventional bulk and reticulation water supply, treatment and raw water supply to WCDM and AC Replacement projects. Neal also has obtained experience in project development and source funding through the successful application and approval of an ORIO Grant which is provided by the Dutch Government to reduce water losses in the uMgungundlovu District.</p>	



<b>Name and Surname</b>	Margaret Cunningham	
<b>Company Name</b>	M Cunningham (Sole Prop)	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	Y
	Urban Water Management	Y
<b>Qualifications</b>	Bsc (Hons) Microbiology PrNatSci	
<b>Contact No.</b>	082 8231386	
<b>Email</b>	<a href="mailto:megfourie@telkomsa.net">megfourie@telkomsa.net</a>	
<b>Province</b>	KZN	
<b>Summary of experience (maximum of one brief paragraph)</b>	<p>Lead inspector for the Blue, Green and No Drop programmes since 2010. Experience as an advisor to Municipalities in terms of process optimisation, audit preparation, water conservation and demand management, tariff setting, budgeting and bylaws development and implementation. Association with consulting engineers with the objective of assisting with process aspects of design and optimisation of existing systems. Experience on the RRU programme in the Eastern Cape with various aspects of Blue/Green Drop audit preparation and development of management plans for Municipal management. On the job mentoring and training for various aspects of process control and optimisation.</p>	

<b>Name and Surname</b>	Abraham (Abri) Vermeulen	
<b>Company Name</b>	Pegasys Strategy & Development	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	N
	Urban Water Management	Y
<b>Qualifications</b>	B. Eng (Civil), University of Stellenbosch 1990 Professional Engineer ECSA 980228	
<b>Contact No.</b>	012 342 0815 & 082 808 5631	
<b>Email</b>	<a href="mailto:abri@pegasys.co.za">abri@pegasys.co.za</a>	
<b>Province</b>	Gauteng	
<b>Summary of experience (maximum of one brief paragraph)</b>	<p>Abri Vermeulen is a professionally registered civil engineer with over 24 years' experience in the water sector in South Africa in both water services and water resources management, more than 15 of which was in the (then) national Department of Water Affairs and Forestry (DWAF - now DWS). He has extensive knowledge and experience in managing national, regional and local projects and programs of policy development, institutional support and development and drafting of legislation and bylaws. He has been responsible for drafting numerous national government policies - including the Strategic Framework for Water Services - and designing government support programs to water services institutions. After DWAF he continued to support the water sector on institutional, governance and planning aspects related to water management. From 2013-2015 he managed the professional team that supported the DWS in revision and implementation of the NWRS2. He has excellent knowledge of both national and local government procedures, systems, policies and strategies. His has a strong combination of technical, institutional, legal, environmental and social development skills and experience, along with project and program management skills.</p>	

<b>Name and Surname</b>	Dr Marlene van der Merwe-Botha	
<b>Company Name</b>	Water Group Holdings (Pty) Ltd	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	yes
	Urban Water Management	yes
<b>Qualifications</b>	PhD, BSc Hons, PriSciNat,	
<b>Contact No.</b>	+27 11 9540242; 082 855 7427	
<b>Email</b>	<a href="mailto:marlene@watergroup.co.za">marlene@watergroup.co.za</a>	
<b>Province</b>	Gauteng, Free State	
<b>Summary of experience (maximum of one brief paragraph)</b>	<p><b>Marlene</b> is a Professional Scientist and has 20 years' experience in the water and wastewater industry. She is the author and co-developer of the Green Drop and No Drop processes and risk-based management of wastewater and Non-Revenue Water in South Africa. Her research in wastewater technology assessment, energy efficiency, energy generation via bioags-to-energy and anaerobic digestion is known to- and used by the sector. She was the team leader on both Natsurv studies which documented the water use by the iron-and steel, and paaer- and pulp industries. Best practice guides have been developed for these industries. She was the team lead on the development of the No Drop Certification system which developed and implemented an audit system for the determination of water losses, NRW and water use efficiency, based on IWA water balances. This included the assessment of institutional, financial and social structures to meet the end objectives and targets. SA's water loss is pitched at around R 7b per year, and many opportunities for optimisation has been identified.</p>	

<b>Name and Surname</b>	Darrin McComb	
<b>Company Name</b>	Resource Innovations Africa (Pty) Ltd	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	Y
	Urban Water Management	
<b>Qualifications</b>	B.Sc (Chemistry, Biochemistry), B.Sc Honores (Biochemistry / Microbiology), Masters in Organisational Leadership	
<b>Contact No.</b>	0728557828	
<b>Email</b>	<a href="mailto:darrin@riafrica.co.za">darrin@riafrica.co.za</a>	
<b>Province</b>	Western Cape	
<b>Summary of experience (maximum of one brief paragraph)</b>	<p>Worked as a microbiologist for Nampak R&amp;D which included spoilage investigations, hygiene audits and commissioning of aseptic packaging machines (combibloc aseptic systems)</p> <p>Worked as a chemical technologist for Ecolab which included design and implementation of cleaning and sanitation in the food and beverage system. This included Cleaning in place and boosted pressure cleaning systems.</p> <p>Conducted over 300 Waste Minimisation assessments including water, energy and waste in various countries including South Africa, Kenya, Nigeria, United Kingdom and Holland</p> <p>Developed the waste minimisation train the trainer programme for Coca Cola Africa which included a water efficiency / optimisation programme.</p> <p>Developed the waste minimisation train the trainer programme for Coca Cola Africa which included a water efficiency / optimisation programme.</p> <p>Conducted a water optimisation assessment for the municipality of Robertson under the auspices of the Fresian water alliance. This included survey of all of the significant water users in the area and their contribution to the chemical oxygen demand (COD) and TDS to the effluent stream.</p>	

<b>Name and Surname</b>	Craig van Wyk	
<b>Company Name</b>	VWG Consulting	
<b>Track (Please indicate with a Y/N)</b>	Water Efficiency in Industries	Y
	Urban Water Management	
<b>Qualifications</b>	B.Sc Chemical Engineering, Master of Business Administration	
<b>Contact No.</b>	+27827716003	
<b>Email</b>	<a href="mailto:craig@vwgconsulting.co.za">craig@vwgconsulting.co.za</a>	
<b>Province</b>	Gauteng	
<b>Summary of experience (maximum of one brief paragraph)</b>	13 years of operational experience in the food and beverage industry and a further 11 years as a consultant in industrial productivity and resource efficiency, with a large proportion of that experience in the field of water use efficiency. Experience with water use efficiency assessments and strategy projects in the water sector.	