

# Rosalind Dos Santos



<b>Personal Details</b>	Date of Birth: 29/5/1986 Place of Birth: Johannesburg, South Africa
<b>Education</b>	IEB Matric, Assumption Convent Malvern, 2003 BSc Eng (Chem), University of the Witwatersrand, 2008 MSc Eng (Met), University of the Witwatersrand, Coursework and Research, June 2013 <u>Courses:</u> Environmental Management, Climate and Society, Nanotechnology and Biomimicry, Coal Management and Marketing, Coal Quality, Utilisation and Assessment, Coal Combustion and Power Generation <u>Research:</u> The Effect of Moisture on Carbon Dioxide Adsorption of a South African Coal <i>Attended the 6<sup>th</sup> Annual Carbon Capture and Storage Conference in Trondheim, Norway</i>
<b>Other Qualifications</b>	Certified Energy Manager - Association of Energy Engineers Green Star SA New Buildings Accredited Professional Level 3 First Aid Prince 2 Project Management Practitioner Lean Six Sigma - Yellow Belt
<b>Current Position</b>	<b>Group Energy Manager</b> Mpact September 2018 onwards  Energy and Emissions Manager for Paper, Corrugated, Plastics and Recycling Divisions at over 40 sites across South Africa and Namibia with a total connected electricity load over 45 MVA, and fuel consumption of coal, gas and HFO.  Motivating and leading an Energy Management team of 22 people across the plants. Capacity building, information sharing to promote project progress and energy management within the team and company. Additionally involved in project identification, funding, engagement, development, and realisation. Senior level presentations done at board sub-committee level.  Projects in Pipeline: Energy Centre of Excellence, Energy Training, ISO 50 001 Systems Implementation, Waste to Energy, Industrial Solar Thermal Process Heat, Large Scale Solar PV PPA, Voltage Correction, Rooftop Solar PV, Steam System Efficiency and Optimisation
<b>Current Position</b>	<b>MBA Student at University of Cape Town Graduate School of Business</b> January 2018 - December 2019  Modular MBA student at the leading business school in Africa  International Course: Global Network for Advanced Management – Global Network Week EGADE Business School, Santa Fe Campus, March 2019 <i>Strategic Innovation and Management in Emerging Markets</i>
<b>Current Position</b>	<b>External Examiner for CHMT 3004: Chemical Engineering Laboratory</b> Course Lecturer: Mr Paul den Hoed September 2017 onwards  Review and moderation of 3 <sup>rd</sup> year Chemical Engineering Students Laboratory Reports, Presentations and Posters. Feedback on marks from lecturers for Engineering Council of South Africa requirements.
<b>Current Position</b>	<b>World Energy Council – Future Energy Leader</b> April 2019 onwards  Selected to be part of the 2019 cohort of World Energy Council future energy leaders. Currently joining working groups and projects run by the World Energy Council and the Future Energy Leaders.
<b>Current Position</b>	<b>Member: South African National Energy Association (SANEA)</b> September 2015 onwards  SANEA provides a platform for professionals to discuss pertinent issues in the South African energy environment, have access to the SANEA and World Energy Council knowledge base and provide career and personal growth opportunities. My role in SANEA includes being a contributing author to Energy Risk review in Institute of Risk Management South Africa (IRMSA) <i>Risk Report 2017 and 2018</i>

<p><b>Previous Position</b></p>	<p><b>Head of Sustainability, Group Real Estate Services, Liberty Holdings</b> January 2016 – September 2018</p> <p>Built the overall resilience of Liberty Holdings through improving energy efficiency, reducing energy and water demands, identifying and implementing alternative sources of supply and strategic long term planning to ensure the business remains and becomes more sustainable. High level climate change risk and opportunity planning conducted. Multi stakeholder and multi-disciplinary teams convened in monthly working groups to feed into executive committee.</p> <p>Key Water Project: <a href="https://www.youtube.com/watch?v=Bo13hHqMxXk">https://www.youtube.com/watch?v=Bo13hHqMxXk</a> Role: Project Identification, Business Case Development, Funding, High Level Design, Procurement, Construction, Commissioning and Management through all project stages <b>2018 Winner Ecologic Awards, Water Conservation Award</b> <b>2018 Winner Corenet Global Innovation Award</b></p> <p>Key Energy Projects: Role: Project Identification, Business Case Development, Funding, Procurement, Construction, Commissioning and Management through all project stages -500kWp rooftop solar PV EPC with 120 kW rooftop solar PV with back up battery storage using previous data center battery banks that were still viable to retain charge -1.2 MWp rooftop solar PV EPC on Liberty owned shopping centre -Remote monitoring, data integrity and accessibility through online cloud hosted platform for 70 buildings across the property group.</p>
<p><b>Experience</b></p>	
<p><b>2010 onwards</b></p>	<p><b>Consulting in my Personal Capacity</b></p> <ul style="list-style-type: none"> <li>→ Review of battery storage integration into an existing rooftop solar PV installation</li> <li>→ Global Innovation Award attendance, project management and close out for Liberty Holdings</li> <li>→ Quantitative and Qualitative Analysis of Implementation of the Energy and Carbon Strategy of a large multinational miner</li> <li>→ Energy Efficiency and Renewable Energy publication for Nedbank</li> <li>→ Barloworld CDP and CDP Water 2015, for Deloitte Risk Advisory</li> <li>→ Review of SEZ development plan for Deloitte Strategy and Innovation, Economic Team</li> <li>→ Review of best practice in energy efficiency in finish grinding in the cement industry</li> <li>→ Assisted in the development of GHG Inventory Software for Business Performance Solutions</li> <li>→ Large Scale CDM Wind project development with Camco</li> </ul>
<p><b>2014 – 2015</b></p>	<p>Key Account Manager at the NBI January 2014 – December 2016</p> <p>I worked on the Private Sector Energy Efficiency (PSEE) Programme that improved energy efficiency in industrial and commercial sectors across various sizes of business in South Africa, through the provision of a variety of services to help companies identify and implement energy saving measures. My responsibilities included: Relationship Management, Technical Project Scoping, Multi-stakeholder Project Management, Contract Management, Pipeline Creation and Business Development, and Programme Reporting.</p> <p>Accounts that I managed for the PSEE Programme Included: Transnet, BHP Billiton, Sasol Mining, AfriSam, Sun International, Standard Bank, FirstRand Group, Nedbank, Liberty, Richard’s Bay Coal Terminal, Bridgestone, Nampak, Mpact, Netcare and privately owned medium sized businesses.</p>
<p><b>2012 – 2014</b></p>	<p>Senior Consultant at Deloitte Consulting South Africa March 2012 – January 2014</p> <p>I worked in the Infrastructure, Power and Public Sector team at Deloitte Consulting and in the Sustainability and Climate Change team at Deloitte Tax. Work that I have done while at Deloitte was Management Consulting, Energy efficiency, Global Electricity Initiative, Supply Chain Savings Identification, Sustainability audits, GHG inventories, Renewable Energy Best Practice Business and Operating Models, Renewable Energy Socio Economic Development requirements under the South Africa REIPPPP and Clean Development Mechanism (CDM) Project Design Documentation development and project validation</p>
<p><b>2011 – 2012</b></p>	<p>Carbon Transactor at Nedbank Capital: African Treasuries, Carbon and Financial Products February 2011 – February 2012, [1 Year Fixed Term Contract]</p> <p>While at Nedbank, I worked on assessment of CDM and forestry projects including carbon project calculations, carbon project finance, completion of term sheets, Emission Reduction Purchase Agreements, investment committee proposals, technical assistance for the team, training and management of new employees, driving the mining energy efficiency carbon project portfolio and liaising with the energy finance team, mining finance team and Nedbank internal sustainability.</p>

<b>2008 – 2010</b>	<p>Carbon Advisor at Promethium Carbon</p> <ul style="list-style-type: none"> <li>→ CDM project development, validation and verification assistance</li> <li>→ Identification of CDM opportunities at the mines of AngloGold Ashanti, and implementation of these projects</li> <li>→ Greenhouse Gas (GHG) Inventories for: KWV, Group 5 and other smaller companies</li> <li>→ Carbon Disclosure Project (CDP) for Group 5</li> <li>→ Carbon strategy</li> <li>→ Carbon neutral functions</li> <li>→ Promethium Carbon carbon neutrality</li> </ul>
<b>Miscellaneous</b>	<ul style="list-style-type: none"> <li>→ Contributing Author to Energy Risk review in Institute of Risk Management South Africa (IRMSA) <i>Risk Report</i> 2017 and 2018</li> <li>→ Author of Article published in MechChem Africa - March 2018 <i>Stealing the future: Is South African's response to climate change appropriate?</i></li> <li>→ World Water Day Discussion on Kaya FM on the B-Side with Bridget Masinga and Ayob Vania - 22 March 2018</li> <li>→ World Water Day Discussion on CNBC Africa - 22 March 2018 <a href="https://www.cnbc.com/videos/2018/03/22/how-cape-town-residents-are-coping-with-the-water-crisis/">https://www.cnbc.com/videos/2018/03/22/how-cape-town-residents-are-coping-with-the-water-crisis/</a> (Liberty project at the end of the clip)</li> <li>→ Co-Author of Article published in Chemical Technologies March 2008 <i>'Old vs New: Is it more environmentally friendly to keep your old gas guzzler or to purchase a new fuel-efficient car?'</i></li> </ul>
<b>Interests</b>	Dancing, Reading, Travel
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