

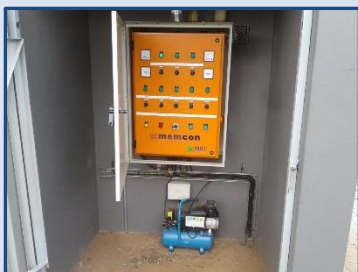


## Makoya Amanzi Water and Electrical - Prominent Projects

### Industrial SOG – Trickle Filter

**Date:** 2017

**Description:** Construction, installation and commissioning of the civils, mechanical and electrical components – listed and national beverage manufacturer.



### Bio-Augmentation Trial – Retail Oxidation Pond

**Date:** 2017

**Description:** Makoya Amanzi was commissioned to run a trial to assess a commercial bacterial product's ability to remediate a polluted and congested series of oxidation ponds. The trial included weekly applications of the product with full visual and analytic monitoring over a period of three months.



Less than 3 months





## Enzyme Trial - Department of Works

**Date:** 2017

**Description:** Makoya Amanzi was commissioned to run a set of trials at two prisons' sewage treatment plants. The trial objective was to test the effectiveness of using enzymes to augment the sewage treatment process.



## Lift Station Remediation - Department of Works

**Date:** 2017

**Description:** Makoya Amanzi was commissioned to remediate one of the prisons sewage lift stations.



## Retail Control Management Interface Project

**Date:** 2017

**Description:** Makoya Amanzi was commissioned to develop and install interface equipment and training that would allow technically unskilled labour to manage sewage treatment plants from day to day with telephonic support.



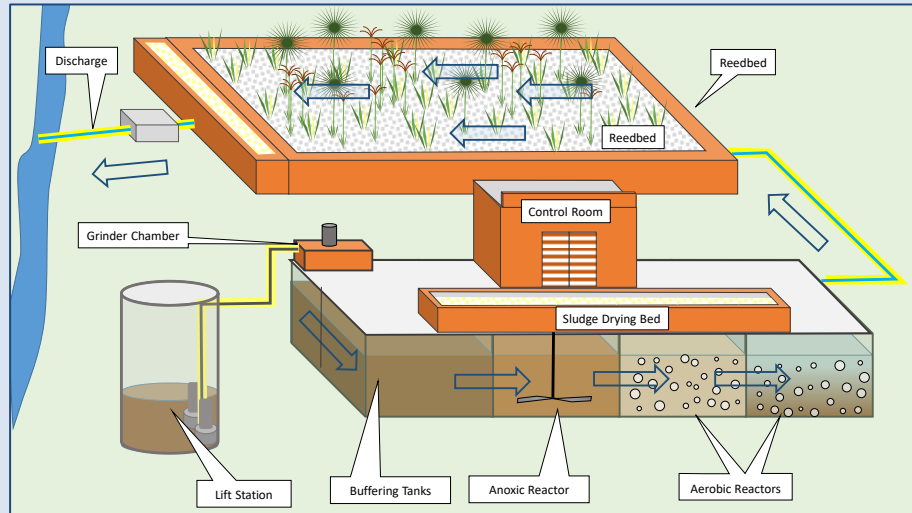
## Petrochemical Roadside Retail – Sewage Treatment Plant

**Date:** 2016

**Description:** Project management, mechanical and electrical installation, maintenance and monitoring







## Urban Rejuvenation – Rewiring and Installation

**Date:** 2015-2016

**Description:** Complete structure rewiring and installation of 10 storey building.



## Industrial (food production) Effluent Treatment Plant (SOG)

**Date:** Sep 2016

**Description:** Installation of a 576 crate SOG filter at a beverage production facility.

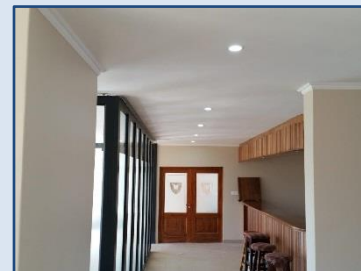




## Country Club – Field Club House - Wiring and Installation

**Date:** May 2015

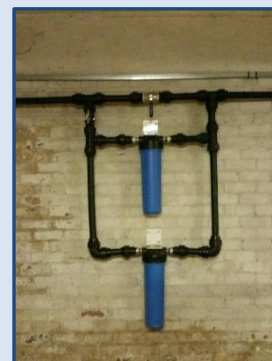
**Description:** Complete structure wiring and installation of a new upmarket country club field club house.



## Urban Water Purification

**Date:** May 2014 – To date

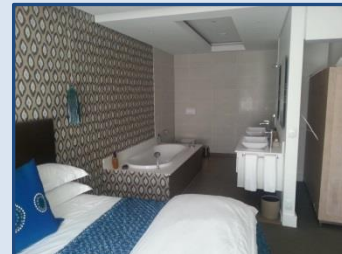
**Description:** The design, installation and maintenance of various urban water treatment and optimisation solutions in the Johannesburg CBD – Urban Rejuvenation.



## Sandton Hotel Refurbishment

**Date:** August 2014

**Description:** Complete structure rewire and installation of a 5 star villa in an upmarket Sandton suburb.



## Village Compliance and Maintenance Project

**Date:** August 2014 to date

**Description:** Makoya Amanzi has been appointed to assess a whole village in Muldersdrift and to repair all electrical installations and reticulations to a level for certification of compliance. Makoya Amanzi has also been retained to do the electrical maintenance on a contractual basis.







## Roadside Service Station Net-Work - Waste Water Discharge Monitoring

**Date:** May 2009 to date

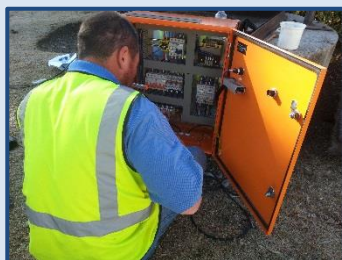
**Description:** Makoya Amanzi is responsible for the sewage discharge sampling and monitoring of all of this large fuel company's remote sites that of on-site sanitation. There are sites in the Western Cape, Gauteng Limpopo, North West, Mpumalanga and Kwa Zulu Natal.



## Roadside Service Station Net-Work - Waste Water Treatment Plant Maintenance

**Date:** May 2009 to date

**Description:** Makoya Amanzi is responsible for various waste water treatment plants of this large fuel company's remote sites that of on-site sanitation. This includes regular maintenance as well as emergency call outs and repairs and upgrades.



## Dam Decommissioning

**Date:** June-July 2014

**Description:** Makoya Amanzi was contracted to decommission two dams as specified by an environmental assessment and recommendation.



## Felixton Road Side Retail and Petrol Station STP

**Date:** September – December 2010

**Description:** Project management of the installation of the sewage treatment plant from inception to commissioning. This HWT plant is designed to treat up to 80 000 litres per day. Makoya Amanzi was responsible for co-ordinating design, water licensing application, on site contractor management (civils and utilities) and mechanical and electrical installation. Makoya Amanzi represented HWT in these areas.



## Mushroom Farm Aeration System

**Date:** December 2011

**Description:** The installation of the aeration system for the plant's water recycling system. The project required a blower and manifold to supply 312 diffuser domes in a 450m<sup>3</sup> concrete tank. Makoya Amanzi sub contacted to HWT, who did the design.





## Golf Course Sewage Treatment Plant Assessment

**Date:** May 2009

**Description:** This site in the Western Cape has a functioning sewage treatment plant, and contracted Makoya Amanzi to do an assessment of the replacement value (capital), and monthly maintenance costs for the purposes of developing a service fee levy for users of the system.



## Golf Course Water Body Remediation and Maintenance

**Date:** July 2007 to date

**Description:** This Gauteng business complex golf course has serious aquatic weed growth due to Eutrophication. Makoya Amanzi provides a weekly service to control the weeds and keep the dam aesthetically pleasing.



## Corporate Campus Water Body Remediation and Maintenance

**Date:** March 2005 to date

**Description:** Makoya Amanzi is responsible for the water body maintenance of this Multinational Company's headquarters in Gauteng.



## Private Dam Remediation

**Date:** November 2007

**Description:** Makoya Amanzi was contracted by a well-known Gauteng business man to clean out his dam before his wedding. Makoya Amanzi managed to complete the job in just two days.



## Corporate Office Water Body Clean Out and Filtration Supply

**Date:** September 2010

**Description:** Makoya Amanzi was contracted to clean out the large Koi pond at this office in Gauteng. We also designed and installed a filtration and circulation system.



## Dairy Production Factory Effluent

**Date:** February 2008 to date

**Description:** Makoya Amanzi is contracted to monitor and advise this Eastern Free State facility on their effluent treatment and discharge.





## Hotel Group Sewage Treatment

**Date:** September 2005 to date

**Description:** Makoya Amanzi is contracted to monitor and advise two large hotels and one boutique hotel/lodge in the North West on their sewage treatment and discharge. This includes the supply of products and services.



## Game Lodge Potable Water

**Date:** September 2005 to date

**Description:** Makoya Amanzi was contracted to assess this North West Game Reserve Lodge's water supply and provide recommendations for its replacement. Furthermore, we were contracted to project manage the installation of a new 2km pipe line, pressure reducing system and complete potable water treatment plant. This has included the co-ordination of material supply, regular site visits for advice, and technical assistance in the more complex installations.



## Wine Farm's olive Oil Handling Consulting

**Date:** June 2010

**Description:** Makoya Amanzi was contracted by HWT to investigate optimising this Western Cape wine farm's treatment of its olive oil packing shed's effluent that is incorporated in the cellar effluent. This included site assessment and final technology selection.



## Leak Sampling

**Date:** To date

**Description:** Makoya Amanzi has a trained and equipped team that specialise in sampling leakage water. By using selected analyses parameters, the sampling assists plumbers in identifying the source of the leak. This service has been successfully used in corporate and domestic properties in Gauteng.



## Effluent Sampling and Monitoring

**Date:** To date

**Description:** Makoya Amanzi's field team delivers regular samples to our laboratories. The results are analysed and incorporated in scheduled reports for monitoring and management purposes.



**Makoya Amanzi has many more historic projects, giving us a wealth of experience and knowledge.**

**Tel:** 010 223 7133

**Mobile:** 083 642 8822

**info@makoya.net**

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