



PACKAGED TREATMENT PLANTS

Plot 15, William Nicol Drive (R511)
Diepsloot A/H, Gauteng
P O Box 4195, Dainfern, 2055

Tel: +27 11 745 5500 Fax: +27 11 464 2977
info@wecprojects.com www.wecprojects.com

WEC PROJECTS

CLIENT	CONTACT DETAILS	DESCRIPTION	YEAR
Hatch Comilog Water Treatment Plant and Sewage Treatment Plant	<u>Client:</u> Comilog <u>Engineers:</u> Hatch Christa van Graan christa.vangraan@hatch.com	32.5 m ³ /day conventional activated sludge sewage treatment plant 2 m ³ /h containerised potable filtration treatment plant.	Current
Loulo Arsenic Precipitation Plant Mali	<u>Client:</u> Multotec Vincent Ridgard VincentR@multotec.com	150 m ³ /h arsenic and antimony precipitation, including dosing systems and sludge handling.	Current
Citiq Potable Water Treatment Plant	<u>Client:</u> Charl-Stephan Nienaber +27 72 875 2108 charln@citiq.co.za	20 m ³ /h containerised potable water treatment plant for use by students of the Tshwane University of Technology	Current
Colluli Potable and Process Water Treatment Plant Eritrea	<u>Client:</u> Colluli Mining Share Company C/O Danakali Ltd Tony Harrington +61 40 799 2109 tharrington@danakali.com	32 m ³ /h containerised reverse osmosis plant to produce desalinated process water 8 m ³ /h containerised reverse osmosis and remineralisation plant to produce potable water	Current
Rand Water Zuikerbosch Chlorination	<u>Client:</u> Rand Water Brian Babe bbabe@randwater.co.za	Chlorine dosing on 4 off 261 MLD municipal potable water lines for public consumption	Current
Tharisa Minerals	<u>Client:</u> Tharisa Minerals Jan Greyling jgreyling@tharisa.com	29 m ³ /h containerised reverse osmosis potable water treatment plant 23 m ³ /h containerised trickle filter sewage treatment plant	Current



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Hatch Zulti South Projects Water Treatment Plant and Sewage Treatment Plant	<u>Client:</u> Rio Tinto Richards Bay Minerals <u>Engineers:</u> Hatch Christa van Graan christa.vangraan@hatch.com	43 m ³ /day containerised trickle filter sewage treatment plant 2.5 m ³ /h containerised potable filtration treatment plant.	Current
Modikwa Filtration Plant Expansion Modikwa Platinum Mine	<u>Client:</u> Modikwa Platinum Mine Stewart Esterhuizen 083 456 1004 Stewart.Esterhuizen1@angloamerican.com	230m ³ /h mine water filtration plant	Current
Letseng Diamonds Sewage Treatment Plant	<u>Client:</u> Motsabi Foloko folokom@letseng.co.ls	110m ³ /h upgrade modular conventional activated sludge sewage treatment plant	2019
Mutanda Mining Sewage Treatment Plant DRC	<u>Client:</u> Management Village Camp Jacques Steyn 012 940 8474	52.5m ³ /day supply and installation of conventional activated sludge sewage treatment for mine camp	Current
Takoradi Mall Sewage Treatment Plant Ghana	<u>Client:</u> Norval Wentzel Steinberg Christopher Cloete 011 804 6122	98m ³ /day Takoradi Mall conventional activated sludge sewage treatment plant servicing shopping mall, hotels, offices and restaurant	Current
Aliwal North Axial Hydraulic Turbine Installation University of Pretoria, RSA	<u>Client:</u> University of Pretoria Marco van Dijk +27 12 420 3176	Installation of micro-Hydraulic Turbine. Installation includes turbine, debris screening, cannel bridge an access ancillaries	Current



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Zimbabwe National Water Project Guruve, Lupane and Simunya Refurbishments	<u>Client:</u> ESOR Zimbabwe Rose Shand +263 78 415 6279	100m ³ /day refurbishment of existing municipal treatment infrastructure including pumps, dosing systems pipe work instruments, for the 3 sites	Current
Guinea Bauxite Export Project Guinea Alumina Corporation Ltd Guinea	<u>Client:</u> Shapoorji Pallonji EPC Nitesh Mathur +91-8511303727 <u>Engineer:</u> Fluor Australia Chris Hind +61-8 9347 7906	Design, supply, installation supervision and commissioning of 18 m ³ /h desalination water treatment plant and a 115 m ³ /day activated sludge package sewage treatment plant.	Current
Gamsberg Zinc Project Filtration Plant Northern Cape, RSA	<u>Client:</u> ELB Engineering +27 (11) 772 1400	120 m ³ /h dual media filtration plant with associated dosing facilities	Current
Madwaleni Gateway Clinic Hospital Sewage Treatment Plant Eastern Cape South Africa	<u>Client:</u> Department of Public Works <u>Engineer:</u> Ron Beard and Associates +27 43 726 4677	Design, supply and installation of a 180 m ³ /day package sewage treatment plant, remote monitoring and a 12 month operation and maintenance contract.	Current
Oman Antimony Roaster Project Industrial Water Treatment Plant Oman	<u>Client:</u> Multotec - Carien Spagnuolo +27 11 928 4334 <u>Engineer:</u> Worley Parsons Resources & Energy Thishen Govender - +27 11 218 3389	5 m ³ /h Antimony and Arsenic effluent precipitation reactor including various chemical dosing systems and a lime reactor for pre-treatment to a continuous ion exchange treatment process.	Current



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Ngezi Platinum Mine Portal 6 Mupani Sewage Treatment Plant Zimbabwe	<u>Client:</u> Zimplats - Tinofa Madhixwa +263 (0) 628 44 667-9	Design, supply and installation of a 120 m ³ /day package sewage treatment plant.	Current
Baia Mall Sewage and Potable Water Treatment Plant Maputo Mozambique	<u>Client:</u> Stefanutti Stocks Mozambique <u>Consultant:</u> CKR Consulting - Samkelo Magadla 011 217 7300	Model C package sewage treatment plant and 10 m ³ /h conventional water treatment plant.	Current
Booyendal Platinum Mine Sewage Treatment Plant Potable Water Treatment Plant Steelpoort Mpumalanga South Africa	<u>Client:</u> Northam Platinum <u>Engineer:</u> DRA - Anthony Scott-Dawkins +27 (0)11 202 8919 DRA- Antoinette Roberts +27 11 202 8600	Design, supply and installation of 250 m ³ /day package sewage treatment plant for a mine camp to cheive DWA Special Limits 15m ³ /h Potable filtration conventional activated sludge sewage treatment plant	Current
Hartebeesfontein Water Care Works Capacity Improvement Project Johannesburg Gauteng South Africa	<u>Client:</u> East Rand Water Care Company (ERWAT) Emmanuel Khomela 011 929 7122	Upgrade of the existing works by 5 ML/day. The plant is designed to treat waste water utilising Nereda® Technology through RHDHV in Amersfoort, The Netherlands.	Current



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Bulbul Landfill Site Durban South Africa	<u>Client:</u> Averda Waste Management Jurie Human 033 386 6611	45 m ³ /day leachate treatment plant via an aerobic biological treatment system.	Current
Takoradi Hospital Wastewater Treatment Plant Ghana	<u>Client:</u> NMS Infrastructure Bismark S. Kwedza +233 56 091 1041	95 m ³ /day containerised trickle filter sewage treatment plant.	Current
Fomena Hospital Wastewater Treatment Plant Ghana	<u>Client:</u> NMS Infrastructure Bismark S. Kwedza +233 56 091 1041	Supply and supervision installation of a 100 kl/day containerized trickle filter wastewater treatment plant for a hospital.	Current
Famous Brands Meat Factory Industrial Wastewater Treatment Plant Midrand, South Africa	<u>Client:</u> Famous Brands Meat Company Rojen James 010 492 8416	Design, supply and installation of a 15 m ³ /day package MBBR industrial wastewater treatment plant.	2017
Kwa Madiba Hydro-electric Plant, Eastern Cape South Africa	<u>Client:</u> University of Pretoria Marco van Dijk Marco.vandijk@up.ac.za 012 402 3176	Installation of a containerized 50 kW hydro-electric turbine for power generation at Kwa Madiba village.	2016



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South 32 Aluminum Smelter Richards Bay, South Africa	<u>Client:</u> NuWater Global NJ Bouwer 071 671 8119	Supply and install sea water desalination pretreatment clarifiers for aluminum smelter.	2016
Shongwe Boarding School Mpumalanga South Africa	<u>Client:</u> Clear Choice Builders Chris Munatsi 011 811 5040 <u>End User:</u> Department of Public Works	160 m ³ /day special limits Model C aerobic package sewage treatment plant for a boarding school.	2016
Storm Mountain Diamond Mine Wastewater Treatment Plant Lesotho	<u>Client:</u> Storm Mountain Diamonds Tom van der Merwe +266 57 22 5624 vandermerwet@ stormmountaindiamonds.com	Model A aerobic package sewage treatment plant upgrade by 40 m ³ /day.	2016
American International School Johannesburg	<u>Client:</u> AISJ Shane McLaren smclaren@aisj-jhb.com	85 m ³ /day civil based trickle filter sewage treatment plant for a school.	2016
Mtunzini Wastewater Treatment Plant Kwa-Zulu Natal, South Africa	<u>Client:</u> uThungulu District Municipality <u>Consulting Engineers:</u> ECA Consulting Jaco van Rensburg – 034 983 2825	Upgrade of the existing 240 m ³ /day WWTW and an expansion of an additional 240 m ³ /day Model D plant.	2016



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Modimolle Wastewater Treatment Plant Limpopo South Africa	<u>Client:</u> Modimolle Local Municipality <u>Consulting Engineers:</u> AECOM Lelanie de Kock – 012 460 5100	Expansion of the existing WWTW by adding two Model R unit's to increase the plant's capacity by 3.2 ML/day.	2016
Giyani Wastewater Treatment Works, Limpopo South Africa	<u>Client:</u> Giyani Local Municipality <u>Consulting Engineers:</u> SAME Frank Schultz – 082 444 9304	1.5 ML/day package Model R mild steel sewage treatment plant with a concrete pump sump.	2015
Tweefontein Optimisation Project – Phase 2 Mpumalanga South Africa	<u>Client:</u> Glencore <u>Consulting Engineers:</u> WBHO Fred Sonnendecker – 083 455 4786	50 m ³ /day packaged sewage treatment plant submerged with 1m above ground level.	2015
Asanko Gold Mine Ghana	<u>Client:</u> Adansi Gold <u>Consulting Engineers:</u> DRA Ryan Males – 011 086 2325	10 m ³ /h Containerised potable water treatment plant.	2015
New Liberty Gold Mine Liberia	<u>Consulting Engineers:</u> DRA Mark Burton 083 564 8576	3.5 m ³ /h Containerised potable water treatment plant.	2015



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Matala Dam Wastewater Treatment Plant Huíla Province Angola	<u>Consulting Engineers:</u> SNC Lavalin John Spracklin +1 514 393 8000/+1 514 497 0953	115 m ³ /day package sewage treatment plant with polishing sand filters to achieve stringent discharge requirements.	2015
Impungwe Hospital Witbank Mpumalanga South Africa	<u>Client:</u> Department of Public Works <u>Consulting Engineers:</u> QDS Projects Quirin Dylan Sibuye – 082 094 3853	50 m ³ /day package sewage treatment plant with mechanical ancillaries in an upfront septic tank.	2015
Weston Sewage Treatment Plant Kouga Local Municipality Eastern Cape, South Africa	<u>Client:</u> Kouga Local Municipality <u>Consulting Engineers:</u> Mott MacDonald PDNA, Naas van Zyl- 082 852 7695	432 m ³ /day Model R sewage treatment plant.	2015
Nacala Port Project Industrial Water Plant Mozambique	<u>Client:</u> Vale Mocambique S.A. Yanara Tavares Yanara.tavares@vale.com	125 m ³ /hr industrial water treatment plant treating coal wash water and runoff utilising chemical pre-treatment, lamella settlers, pressure sand filters. Designed to cater for different flow variations during the wet and dry seasons.	2015
Katanga Mine Hospital Sewage Treatment Plant Democratic Republic of Congo	<u>Client:</u> African Horizon Technologies Jacques Steyn – 082 781 9870	40m ³ /day package wastewater treatment plant.	2015
Blue Hills School Sewage Plant Century Properties Gauteng South Africa	<u>Consulting Engineers:</u> Century Properties Harm Schreurs – 011 300 8700	80 m ³ /day package wastewater treatment plant with mechanical ancillaries in an upfront concrete septic tank.	2014



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Tweefontein Optimisation Project – Boschmanskop Colliery Mpumalanga South Africa	<u>Client:</u> Glencore <u>Consulting Engineers:</u> DRA Werner Henning – 079 505 9411	15 m ³ /day package sewage treatment plant.	2014
Boikarabelo Coal Mine, RSV Enco, North West, South Africa	<u>Consulting Engineers:</u> RSV Enco Hein Laas - 011 498 8810	160 m ³ /day packaged wastewater treatment plant.	2014
Wonderfontein Colliery, WSP Engineers Mpumalanga, South Africa	<u>Consultant</u> WSP Engineers Eben Kotze – 013 653 6337	40 m ³ /day package wastewater treatment plant.	2013
Chinsali Potable Water Plant, Lusaka Water & Sewage Company Zambia	<u>Consultant</u> BCHOD Consulting Engineers Mommie Witika +260-211-228459/60/61	200 m ³ /hr potable water treatment plant utilizing conventional treatment methods.	2013
Zimplats SMC Filter Plant, Zimbabwe	<u>Client:</u> Unki Platinum Mine Q. Khumalo qkhumalo@angloplat.com	25 m ³ /hr Containerised filter treatment plant.	2013



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Kinsenda Copper Mine Katanga Province, Democratic Republic of Congo	<u>Consulting Engineers:</u> DRA Riaan Thyse (011)202-8600	115 m ³ /hr Containerised water treatment plant & booster pump system.	2013
Unki Mine Housing Project Water Treatment Plant, Zimbabwe	<u>Consulting Engineers:</u> Quoin Consulting Africa David Rossouw davidr@quoin.net	Construction of a 125 m ³ /hr potable water treatment plant utilizing conventional treatment methods.	2013
Unki Mine Housing Project Sewage Treatment Plant, Zimbabwe	<u>Consulting Engineers:</u> Quoin Consulting Africa David Rossouw davidr@quoin.net	Construction of a 1200 m ³ /day sewage treatment plant: Glass lined steel packaged treatment plant & mechanical equipment for the peripheral civil structures.	2013
Luangwa Potable Water Treatment Plant, Lusaka Water & Sewage Company, Zambia	<u>Client</u> Lusaka Water & Sewage Company Jilly Chiyombe +260 977 825 865	120 m ³ /hr potable water treatment plant extracting water from the Lubu river & utilizing conventional treatment methods for purification.	2012
Beira Coal Wash Water Treatment Plant, Mozambique	<u>Client:</u> Odebrecht/VALE S. Silveir +258 843 299 514	Approximate plant capacity 160 m ³ /day & incorporates chemical pre-treatment, lamella clarifiers and pressure sand filters.	2012
Middeldrift Prison, Eastern Cape, South Africa	<u>Consultant:</u> NSL/PSS JV Contractors Peter Buyskes - (041) 408-2150	Construction of a 500 m ³ /day Model R wastewater treatment plant.	2011



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Ikeja Mall, Lagos Nigeria	<u>Consultant:</u> Coffey Projects Marcus Ross - (011) 656-0950	Containerised 20 m ³ /hr borehole water filtration plant.	2011
Vale Moatize Coal Project, Tete Province, Mozambique	<u>Client:</u> Odebrecht Richard Price rprice@odebrecht.com	Supply & installation of a 200 m ³ /h process water treatment plant, inline filter chlorinator & packaged wastewater treatment plant.	2011
Geita Gold Mine, Tanzania	<u>Client:</u> Jeremy Short - Jeremy.short@geitagold.com	200 m ³ /hr water treatment plant for Geita Town.	2011
Boteti Mining AK6 Project, Botswana	<u>Consulting Engineers:</u> DRA Kevin Stock kevins@drasa.co.za	Supply & installation of two Model E sewage treatment plants.	2011
Mqanduli Sewage Treatment Plant, Eastern Cape South Africa	<u>Consulting Engineers:</u> Camdekon Engineers Errol Peinke el@camdekon.co.za	1200 m ³ /day Model R sewage treatment plant.	2011
Letseng Diamond Mine Lesotho	<u>Client:</u> Jan Venter - 083 285 0934 Letseng Diamond Mine	Design & supply of 200 m ³ /hr process water treatment plant.	2010



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St. Elizabeth's Hospital, Lusikisiki, Eastern Cape, South Africa	<u>Client:</u> Department of Public Works <u>Consulting Engineers:</u> Camdekon Werner de Lange - (011) 510-8069	Supply & site erection of a 350 m ³ /day model R sewage treatment plant.	2009
Ngezi Mine Water Treatment Plant & Sewage Treatment Plants, Zimbabwe	<u>Client:</u> Zimplats <u>Consulting Engineers/Agents:</u> DRA - Riaan Thyse (011)202-8600	Ngezi Mine –supply & installation of: - 300 m ³ /hr filtration plant - 60 m ³ /hr potable plant - 42 m ³ /day package aerobic wastewater treatment plant - 71 m ³ /day package aerobic wastewater treatment plant at Portal 1 130 m ³ /day package aerobic wastewater treatment plant at Portal 4	2009
Aspen Pharmaceuticals Clayville, Johannesburg South Africa	<u>Client:</u> Aspen Pharmaceuticals Jannie Blignaut - (011) 206 9569	Supply & installation of a 4 m ³ /hr packaged membrane bio-reactor (MBR) including upfront DAF unit, aeration and buffer tank, with anaerobic sludge digester.	2009
Chongwe Water Treatment Works Lusaka Water & Sewage Company, Zambia	<u>Client:</u> Lusaka Water and Sewage Company Herbert Chinokoro hchinokoro@gmail.com	Supply of a 300 m ³ /hr potable water treatment plant.	2009



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Unki Mine Potable & Sewage Treatment Plants, Zimbabwe	<u>Client:</u> Unki Mines (Private) Limited <u>Consulting Engineers:</u> Vhumbunani Paul Marx - (011) 517 0600	Supply & delivery of two 160 m ³ /day packaged aerobic wastewater treatment plants & a 240 m ³ /hr potable water treatment plant.	2009
Rosehill Mall Sewage Treatment Plant, Port Alfred, South Africa	<u>Consulting Engineers:</u> Arcus Gibb Andre Bressler – 083 270 6946	700m ³ /day Model R aerobic sewage treatment plant.	2008
Ugie Model R Sewage Treatment Plant, Eastern Cape South Africa	<u>Client:</u> Ukhahlamba District Municipality <u>Consulting Engineers:</u> Arcus Gibb Cecil Shroeder – 083 270 6946	Supply & Installation of a 500 m ³ /day aerobic sewage treatment plant including inlet works, blower room, chlorine dosing & contact channel.	2008
Pilanesburg Platinum Mine Project, North West, South Africa	<u>Client:</u> Pilanesburg Platinum Mines <u>Consulting Engineers:</u> DRA Thomas House - (011) 202-8600	Supply of a 105 m ³ /day packaged wastewater treatment plant including upfront mild steel buffer tank.	2008
Letseng Diamond Mine Lesotho	Jan Venter – 083 285 0934	Supply of a 50 m ³ /hr potable water treatment plant and a 150 m ³ /day package aerobic wastewater treatment plant for a mine camp.	2007