

CONTACT DETAILS

Name of Company	CES – Environmental and Social Advisory Services
Designation	Principal Environmental Consultant
Profession	Environmental Consultant
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Nationality	South African
Professional Body	<ul style="list-style-type: none">➤ SACNASP: South African Council for Natural Scientific Profession➤ IAIAAsa: International Association for Impact Assessment (South African affiliate)➤ EAPASA: Environmental Assessment Practitioner Association South Africa (<i>Registration in process</i>)
Key areas of expertise	<ul style="list-style-type: none">➤ Atmospheric Emissions Licence application processes➤ Coastal Water Discharge Applications➤ Due Diligence➤ Environmental Awareness Training➤ Environmental Compliance Monitoring➤ Environmental Liability Closure and Rehabilitation quantifications➤ Environmental Impact Assessments➤ Environmental Authorisation Amendments➤ Environmental Management Programmes/Plans➤ Environmental Site Assessments (Feasibility/Constraints analysis)➤ Gap Analysis➤ International Finance Corporation / World Bank project and tender proposal /expression of interest compilation experience➤ Mining Permits/Rights application processes➤ Project Management➤ Waste Management Licence processes➤ Water Use Licence Application processes➤ Business Development

PROFILE

Ryan is a professionally registered Environmental Scientist and has worked in the field of environmental and social management for large infrastructure-related developments, Mining and Renewable Energy projects (solar and wind energy facilities) within Africa. His involvement in these various projects has been from feasibility (inception) through to operation, closure and rehabilitation phases.

He has acquired 14 years consulting experience in project management, business development and also executing various environmental permitting and management processes (in terms of local legislative and international performance standards) for a diverse range of large infrastructure developments, mining and renewable energy (solar and wind energy facilities) projects.

**EMPLOYMENT
EXPERIENCE**

- 2021 – Present: Principal Environmental Consultant (CES, Cape Town, South Africa)
- 2019 – 2020: Senior Environmental Consultant (Head of E&S services, Terramanzi Group, Cape Town, South Africa)
- 2015 - 2018: Senior Environmental Consultant (Advisian -Worley Parsons, Cape Town, South Africa)
- 2012 – 2015: Senior Environmental Scientist (GIBB, Cape Town, South Africa)
- 2010 - 2012: Environmental Scientist (Clean Stream Environmental Consultants, Pretoria, South Africa)
- 2008 - 2010: Environmental Specialist (Aurecon, Pretoria, South Africa)
- 2007 - 2008: Environmental Consultant (K2M Technologies, Pretoria, South Africa)
- 2006 - 2007 Research Assistant (Persistent Organic Pollutants & Toxicants Group, North-West University, South Africa)
- 2002 - 2006 Practical Demonstrator (Microbiology, North-West University, South Africa)

**ACADEMIC
QUALIFICATIONS**

- M.Sc. (Environmental Science) North-West University, South Africa 2008
- BSc (Natural Sciences) North-West University, South Africa 2002

**CONSULTING
EXPERIENCE**

Environmental Impact Assessments

Management and execution of various Environmental Impact Assessments (EIAs) and Basic Assessments for large infrastructure developments, mining and Renewable Energy projects:

EIAs for the following projects:

- 230MW Doornfontein PVSEF project, Veldfrift, Bergrivier Local Municipality, Western Cape. GPIPD Holding (Pty) Ltd, 2019 -2020
- 150MW Kruispad PVSEF project, Bergrivier Local Municipality, Western Cape. GPIPD Holding (Pty) Ltd, 2019 - 2020
- Expansion of the Saldanha Bay oil jetty and the construction of new crude oil pipeline system for the crude oil storage facility, Saldanha Bay, MOGS, 2017 – 2018
- HDPE Pipeline for Crude Oil Storage Tank Farm, Saldanha Bay, MOGS, 2017
- Blanco 400/132kV substation and powerline project, Eskom, 2015
- EIA for the Leeuwenkuil Vineyard Wastewater Treatment Works, Leeuwenkuil Family Vineyards, 2013-2014
- EIA for the Pearly Beach Sewage Treatment Works, GIBB, 2013-2014
- Xstrata Vekeerdepán Coal Mine Extension project, Xstrata, 2010-2012
- Waste Management Licence and assistance with completion of an Air Emissions Licence for the Flexilube Meyerton Oil Re-refinery expansion project, Flexilube, 2010-2012
- Construction of Ekangala Wastewater Treatment Works, Department of Water Affairs, 2009-2010
- Upgrade (expansion) to the Sunderland Ridge Wastewater Treatment Works, City of Tshwane, 2008-2009

- Construction of Morgenzon Wastewater Treatment Works, Lekwa Municipality, 2009-2010
- Tembisa-link gas pipeline realignment project, SASOL, 2009-2010
- Gas pipeline realignment through Ekurhuleni and Mogale City, SASOL, 2009-2010
- Soland Park residential development, Masingita Developments, 2008-2010
- Construction of Mankwe Hotel and Conference Centre, Mankwe Hotels, 2007-2008
- Construction of Particle Board Manufacturing Plant, William Tell 2007-2008

Basic Assessments for the following projects:

- 140 MW Wind Energy Facility project, Western Cape Client – Confidential 2020
- Car Park Extension at Koeberg Nuclear Power Station, Eskom, 2017
- Hout Bay Dune area rehabilitation, City of Cape Town, 2014- 2015
- Sea Point and Mouille Point promenade upgrade, City of Cape Town, 2014 - 2015
- Paardevlei Integrated Storm Water & Ecological Management System (ISW&EMS), Somerset West, Paardevlei Properties, 2013-2014
- Eskom Wolfkop 66/22kV substation and powerline, Eskom 2012-2013
- Rehabilitation of Blaauwpan and associated stormwater channel, Airports Company South Africa, 2008-2009
- Northern Access Road Development at OR Tambo International Airport, Airports Company South Africa, 2008-2009
- Cradle of Pilanesberg Lodge, Pilanesberg National Park, 2007-2008
- Construction of Staff Houses in Pilanesberg National Park, 2007-2008
- Bellevue residential development in GeelhoutPark, Rustenburg, Private Developer, 2007-2008
- Villa Del Country Estate, Private Developer, 2007-2008
- Marang Motor Retail, Hotel and Residential Development, Marang Estate, 2007-2008
- Olifants River Bridge upgrade, Aurecon, 2015

Environmental Management Plans / Programmes

Compilation and implementation of Environmental Management Plans / Programmes (EMPs) for the following large infrastructure and mining developments:

- 230MW Doornfontein PVSEF project, Veldrift, Bergrivier Local Municipality, Western Cape. GPIPD Holding (Pty) Ltd, 2019 -2020
- 150MW Kruispad PVSEF project, Bergrivier Local Municipality, Western Cape. GPIPD Holding (Pty) Ltd, 2019 - 2020
- Water Resilience project: Environmental Management Programme, City of Cape Town, 2017 – 2018
- Simandou Port and Infrastructure (IFC/ World Bank) Bank Feasibility project, Guinea. WorleyParsons, 2015
- Anglo Greenside Colliery Environmental Management Programme Amendment for an expansion to the existing Co-Disposal Facility, Anglo American, 2012
- De Beers Kimberley Mines Environmental Management Programme Revision, De Beers Mines Consolidated, 2012

- Environmental Management Programme compilation for Xstrata Tweefontein Mine Optimisation project, Xstrata, 2010-2012
- Annual revision (update) of Exxaro's Zincor Industry Environmental Management Master Plan Upgrade, Exxaro, 2010-2012

Environmental Project Management

Environmental project management services (includes contract management, scheduling, invoicing and peer review of technical reports) for the following:

- 230MW Doornfontein PVSEF project, Veldfrift, Bergrivier Local Municipality, Western Cape. GPIPD Holding (Pty) Ltd, 2019 -2020
- 150MW Kruispad PVSEF project, Bergrivier Local Municipality, Western Cape. GPIPD Holding (Pty) Ltd, 2019 - 2020
- 140 MW Wind Energy Facility project, Western Cape Client – Confidential 2020
- Langhoogte Wind Energy Facility Part 2 Substantive EA Amendment, Ceres, SAGIT, 2019 – 2020
- Wolseley Wind Energy Facility Part 2 Substantive EA Amendment, Caledon, SAGIT, 2019 – 2020
- Expansion of the Saldanha Bay Oil Jetty and the construction of new crude oil pipeline system for the crude oil storage terminal, Saldanha Bay, MOGS, 2018
- Koeberg Nuclear Power Station Wellfields Optimisation project & WULA, Eskom, 2018
- Transient Interim Storage Facility project at Koeberg Nuclear Power Station, Eskom, 2015 – 2018
- Car Park Extension at Koeberg Nuclear Power Station, Eskom, 2017
- Coastal Water Discharge Permit at Koeberg Nuclear Power Station, Eskom, 2017 – 2018
- Geotechnical & Land surveyor assessment of the Car Park Extension at Koeberg Nuclear Power Station project, Eskom, 2018

Gap Analysis

- A comparative analysis of New Denmark Colliery's existing environmental authorization applications with regards to current environmental legislation and new FEL3 requirements, specifically for the North Shaft Re-opening project. Anglo American, 2010

Waste Management Licence applications

- Compilation and submission of waste management licence applications and Basic Assessment Process for the closure of seven landfill sites within the Matzikama Local Municipality and three landfill sites in the Overstrand Local Municipality, Department of Environmental Affairs, 2013-2014

Water Use Licence applications

Compilation and submission of water use licence applications for the following large infrastructure and mining developments:

- SANRAL Olifants River Bridge upgrade project, Aurecon, 2015
- Eskom's Vierfontein – Viljoenskroon 88kV Refurbishment project, Eskom, 2014
- Apollo Brick Manufacturing Plant, Apollo Brick, 2014
- Eskom's Wolfkop 66/22kV substation and powerline project, Eskom, 2014

- Proposed Langeberg Residential Development, CSI, 2015
- Atlantis Housing Development, City of Cape Town, 2015
- Pearly Beach Sewage Treatment Works, GIBB, 2015
- Proposed Beacon Valley Housing Development, City of Cape Town, 2015
- Proposed Erf 3418 Industrial Development, VDMV Property Group, 2014
- Inyanda Mine Siding development, Exxaro, 2011

Air Emission Licence Process

- Compilation of an Air Emission Licence application (AEL) for the Maitland Crematorium, City of Cape Town, 2014

Environmental Compliance monitoring

Compliance monitoring and monthly auditing for the following large infrastructure, renewable and mining projects:

- Project oversight of ECO services for Copperton Wind Energy Facility, Northern Cape, Elawan, 2019 -2020
- Annual IFC external compliance audit for operational Wind Energy Facility, Worcester, Client – Confidential, 2019 -2020
- Project oversight of ECO services for Val De Vie Estate, Paarl, Val De Vie Estate, 2019 -2020
- Upgrade to SANRAL National Road 7 between Melkbos and Atlantis, SANRAL, 2013-2015
- Housing Development on ERF 934, Pelican Park, Cape Town, POWER Development, 2014-2015
- MR302 road realignment and upgrade project, Aurecon, 2012-2015
- De Velde Residential Development, Somerset West, Balwin Properties, 2012-2015
- Elgin Anaerobic Digester Installation project, Bau Afrika Engineers, 2014
- Construction of a retaining wall structure for the Silwerstroom Resort, C2C Engineers, 2014
- Construction and installation of a 66kV electrical cable within the Stellenbosch municipal area, Aurecon, 2013-2014
- Construction of a 66kV underground electrical cable from an existing substation to the proposed 66/11kV substation, Hermanus, Aurecon, 2014 - 2015
- Audit of Xstrata Alloys Carbon Division five industrial site operations situated between Witbank and Middelburg, Xstrata, 2012
- Audit of the Exxaro Tshikondeni mine clean and dirty water management measures as per Regulation GN704 of NWA, 1998 and the issued Water Use Licence, Exxaro, 2011
- Auditing for the construction of remote aprons on Taxiway Papa, Northern Ring Road, extension of Charlie Taxiway and extension of Golf Apron at OR Tambo International Airport. Airports Company South Africa, 2008-2010
- Auditing for Sunderland Ridge Wastewater Treatment Works upgrade project. City of Tshwane, 2008-2009
- Auditing for Dan Nkabinde Bridge reconstruction, Tembisa, City of Johannesburg, 2008-2009
- Auditing for PetroNet St James Transfer Station construction, PETRO SA, 2008

PRESENTATIONS

- Pre-construction monitoring to establish an environmental baseline of the biophysical environmental aspects (namely baseline geophysical, geotechnical, geohydrological, surface water and ecological survey) and to compile an Environmental Management Plan as input into the Construction Specification for the TCTA Mokolo Crocodile Water Augmentation Project (MCWAP), Trans Caledon Tunnel Authority, 2009-2010

Master's project presentation at Zoological Society of South Africa (Rhodes University), Thesis title: *An assessment of epigeal arthropods along an urbanization gradient in the Potchefstroom municipal area.*

CERTIFICATION

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.



RYAN EMSLIE JONAS

Date: July 2021