

CONTACT DETAILS

Name of Company	Coastal and Environmental Services (Pty) Ltd
Trading as	CES
Description of Company	Environmental and Social Advisory Services
Designation	Cape Town
Profession	Senior Technical Specialist
Years with firm	11 Years
E-mail	Justin.Green@cesnet.co.za
Office Number	+27 12 426 7412
Nationality	South African
Professional Body	➤ African Journal of Aquatic Science ➤ IAIA Sa: Member of the International Association for Impact Assessments South Africa
Key areas of expertise	➤ Environmental Impact Assessments (EIA) ➤ Resettlement Action Plan (RAP) ➤ Remote Access Platforms ➤ Geographic Information Systems (GIS) ➤ Wetland Assessment & Surface Water Assessments

PROFILE

Mr Justin Green

Justin is Senior Technical Specialist at CES with 13 years of experience in Environmental Consulting. He specializes in Environmental and Social Impact Assessment (ESHIA) projects for infrastructure, renewable energy, agriculture, and mining developments across Africa, adhering to rigorous standards set by institutions such as the World Bank and International Finance Corporation.

Justin has extensive experience in conducting environmental and social baseline studies in the mining, renewable energy, agro-industry, forestry, biofuel, and oil sectors in East and West Africa, as well as predominantly southern African countries. Throughout his professional journey, Justin has had the opportunity to work in various countries, including the Democratic Republic of Congo (DRC), Lesotho, Mozambique, Zambia, Cameroon, Tanzania, Malawi, Swaziland, Madagascar, and extensively across South Africa. His involvement in numerous environmental management studies has endowed him with an in-depth understanding of environmental legislation and policy requirements.

Justin's primary specialization lies in Geographic Information Systems (GIS), a critical tool for environmental consulting. Justin's GIS skills have allowed for the efficient collection, analysis, and visualization of spatial data, which has been essential for assessing environmental conditions, land use, and potential impacts. By using platforms such as ESRI ArcGIS, ArcView, QGIS, and supplementary tools like DroneDeploy, ODK, OruxMaps, GPS Essentials, and Google Earth Engine. Justin has been able to map sensitive ecosystems, identify areas of environmental risk, and assist clients in making informed, data-driven decisions for IFC and World Bank funded projects.

EMPLOYMENT EXPERIENCE	Coastal & Environmental Services, Cape Town, South Africa Senior Technical Specialist <i>March 2024 – Present</i> ➤ Environmental Impact Assessments ➤ Resettlement Specialist ➤ GIS Applications ➤ ODK based collection software Just Green GIS, Cape Town, South Africa Director <i>July 2022 – March 2024</i> ➤ Environmental Impact Assessments ➤ Resettlement Action Planning ➤ GIS Applications ➤ ODK based collection software ➤ Remote Sensing; and ➤ Drone based 2D & 3D Photogrammetry Coastal & Environmental Services, Cape Town, South Africa Senior Environmental Consultant <i>January 2020 – June 2022</i> ➤ Senior Consultant ➤ GIS Specialist ➤ Surface Water & Aquatic Specialist ➤ Wetland Specialist Coastal & Environmental Services, Grahamstown, South Africa Environmental Consultant <i>April 2012 – December 2019</i> ➤ Consultant ➤ GIS Specialist ➤ Surface Water & Aquatic Specialist ➤ Wetland Specialist
ACADEMIC QUALIFICATIONS	Post-Graduate Diploma in Enterprise Management ➤ Rhodes University, Grahamstown, 2011 Bachelor of Science: Zoology and Entomology ➤ Rhodes University, Grahamstown, 2006 - 2010
COURSES	➤ Rhodes University and CES - EIA Short Course. 2012 ➤ IMBEWU - Contaminated Land Workshop. 2013 ➤ Ground Truth - SASS5 Aquatic Biomonitoring Training Course. 2015 ➤ Rhodes University - Tools for Wetland Assessment. 2017 ➤ ESRI - Do-It-Yourself Geo Apps. 2020 ➤ ESRI - Going Places with Spatial Analysis. 2020 ➤ ESRI - The Location Advantage. 2021 ➤ ESRI - GIS Basics. 2021 ➤ ESRI - Imagery in Action. 2021 ➤ ESRI - Getting Started with Spatial Analysis. 2021

- ESRI - Spatial Data Science: The New Frontier in Analytics. 2021
- ESRI – Cartography. 2022
- ESRI - Using Tile-Based Processing in ArcGIS Drone2Map. 2023
- ESRI - Transform AEC Projects with GIS and BIM. 2024

CONSULTING EXPERIENCE

CATEGORY	PROJECT
DRONE MAPPING & GIS BASED PROJECTS	➤ Karreebosch WEF (South Africa, 2023) ➤ Kareedouw WEF (South Africa, 2023) ➤ NDA Project – Solar PV and WEF (South Africa, 2023) ➤ NDA Project – Solar PV and WEF (South Africa, 2023) ➤ TLST Forestry – Spatial Mapping of Monitoring (South Africa, 2023) ➤ Kenya Wildlife Service - Wildlife habitat mapping (Kenya, 2023) ➤ Detrival Agricultural extension services: GIS and Remote Sensing (South Africa, 2023) ➤ Embravile Land degradation monitoring: GIS and Remote Sensing (South Africa, 2023) ➤ Stanford Housing Development - Water resource management planning (South Africa, 2023) ➤ Imbegweni Ecosystem restoration planning and sensing (Ghana, 2023) ➤ Mbagwande Dam ESHIA - Flood Inundation Modelling (Tanzania, 2023) ➤ JDR Clinical & Translational Research - Geospatial Data Collection (South Africa, 2023) ➤ Kenmare Congolone pre-feasibility assessment – Drone mapping of potential ore body (Mozambique, 2023) ➤ Kenmare Nataka Mine RAP - Drone mapping of study area (Mozambique, 2023) ➤ Kenmare Nataka River crossing - Drone mapping of study area (Mozambique, 2023) ➤ Kenmare Pilivili Exit Path RAP - Drone mapping of study area (Mozambique, 2023)
ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT (ESIA) INTERNATIONAL & SOUTH AFRICA	➤ Sentinel Mining Deposit (North Western Province, Zambia, 2012) ➤ Mooi-Mgeni Transfer Scheme – Phase 2 ESIA (Kwazulu-Natal Province, South Africa, 2013) ➤ Syrah Balama Graphite Project: Pre-feasibility and Environmental Scoping Report (Balama, Mozambique, 2013) ➤ Kamiesberg Mining Project (Namakwaland, South Africa, 2013) ➤ Belmont Valley Golf Course and Makana Residential Estate (South Africa, 2013) ➤ Ranobe Mine Project ESHIA, (Sofala Province, Madagascar, 2013) ➤ RHDHV Biofuel ESIA Disclosure (Mozambique, 2014) ➤ London Mining Marampa Iron Ore (Sierra Leone, 2014) ➤ Upgrade of the Maroua Oil Mill (Cameroon, 2014) ➤ Upgrade of the Garoua Oil Mill (Cameroon, 2014)

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CATEGORY	PROJECT
	➤ Kenmare Nataka MGA Heavy Minerals Mine (Moma, Mozambique, 2023) ➤ HDR Nacala Solar RAP (Nacala, Mozambique, 2023) ➤ Kenmare Pilivili Exit Path RAP (Moma, Mozambique, 2023)
WIND ENERGY PROJECTS SOUTH AFRICA	➤ MakanaOne Wind Energy Project EIA (South Africa, 2012) ➤ Middleton Wind Energy EIA (South Africa, 2012) ➤ Mossel Bay Wind Energy Project EIA (South Africa, 2012) ➤ Plan 8 Wind Energy Project, EIA (South Africa, 2012) ➤ Grassridge Wind Energy Project EIA (South Africa, 2013) ➤ St Lucia Wind Energy Project EIA (South Africa, 2013) ➤ Cookhouse Wind Energy Project EIA (South Africa, 2013) ➤ Dassiesridge Wind Energy EIA (South Africa, 2014) ➤ Inyanda-Roodeplaat Farm Wind Energy EIA (South Africa, 2015)
SOLAR ENERGY PROJECTS SOUTH AFRICA	➤ MakanaOne Brack Kloof Photovoltaic Solar Energy Project, EIA (South Africa, 2012) ➤ MakanaOne Hilton Photovoltaic Solar Energy Project, EIA (South Africa, 2012) ➤ MakanaOne Table Hill Photovoltaic Solar Energy Project, EIA (South Africa, 2012) ➤ MakanaOne Watt Hill Photovoltaic Solar Energy Project, EIA (South Africa, 2012) ➤ JCM Solar PV Project, EIA (Cameroon, 2018) ➤ Voltalia Solar Photovoltaic, ESIA (Malawi, 2021) ➤ SACE Renewables Raveena Solar PV, EIA (South Africa, 2024) ➤ ABO Imvubu Solar PV, EIA (South Africa, 2024) ➤ Cainmani Stillfontein Solar PV, EIA (South Africa, 2024) ➤ Cainmani Buffelsfontein Solar PV, EIA (South Africa, 2024) ➤ Voltalia PV Solar ESIA (Eswatini, 2024) ➤ ABO Pitsi (Vredefort) Solar PV Facility (South Africa, 2024) ➤ ABO Makwassie Solar PV Facility (South Africa, 2024) ➤ ABO Imvubu Solar PV Facility (South Africa, 2024)
BASIC ASSESSMENT (BAR) SECTION 24G RECTIFICATIONS REPORTS	➤ Resort Development on Portion 17 of Farm Gorah 398 (South Africa, 2012) ➤ Walmer 17th Avenue 132KV Powerline (South Africa, 2012) ➤ SANRAL Grahamstown to Fish River Road Upgrade (South Africa, 2013) ➤ Rehabilitation of R61 Section 2 Elinus Farm (Km42,2) To N10 (Km85) (South Africa, 2013) ➤ Rehabilitation of N10 Section 3 between Riet River Bridge (km 45,2) and Tarka Bridge (km 68,5) (South Africa, 2013) ➤ Uhambiso Glenhurd Road Upgrade & Baakens River Bridge (South Africa, 2015) ➤ Innowind Ukomeleza & Olifantskop Substations and Overhead Powerlines (South Africa, 2015) ➤ Grahamstown Fairewood Estate Development (South Africa, 2015) ➤ Zirco Kenhardt Prospecting Application (South Africa, 2015) ➤ Justin Le Roux S24G (South Africa, 2018) ➤ Ramotshere Berg Housing (South Africa, 2020) ➤ Ramotshere Kort Housing (South Africa, 2020)

CATEGORY	PROJECT
	➤ Adcock Housing Development S24G (South Africa, 2020) ➤ Oudtshoorn Cemetery S24G (South Africa, 2020) ➤ TCWF Piggery BAR (South Africa, 2020) ➤ SARAO Micro-Rendering Facility Carnavon BAR (South Africa, 2021) ➤ Sturdee Energy Solar BAR (South Africa, 2021) ➤ ESKOM Kudu 400kV Line BAR (South Africa, 2021) ➤ Witzenberg Cemetery BAR (South Africa, 2022) ➤ Oudtshoorn Cemetery BAR (South Africa, 2022) ➤ KWFCDDT Primary School ERF (South Africa, 2024) ➤ Chaba-Neptune 132kV OHL (South Africa, 2024)
WETLANDS, SURFACE WATER & AQUATIC ASSESSMENTS SOUTH AFRICA & INTERNATIONAL	➤ Triton Nicanda Hills Graphite Mine (Mozambique, 2014) ➤ Sasol Nhangonzo Biodiversity Assessment (Mozambique, 2015) ➤ Alphamin Resources Mining ESIA (DRC, 2015) ➤ GK Ancuabe Graphite Mine (Ancuabe, Mozambique, 2016) ➤ Murrimo Macadamias, Potatoes and Grains Project (Mozambique, 2016) ➤ Kenmare Pilivili Mine (Moma, Mozambique, 2017) ➤ 2017 - JCM Cameroon Solar PV (Cameroon, 2017) ➤ Kenmare Road Haul Road Upgrade (Moma, Mozambique, 2018) ➤ Triton Ancuabe Graphite Mine (Mozambique, 2018) ➤ Triton Ancuabe Graphite Mine Monitoring (Mozambique, 2018) ➤ Suni Balama Graphite Mine (Mozambique, 2018) ➤ CGA Siyahluma Citrus Farm (South Africa, 2019) ➤ CGA Nomzamo Citrus Farm (South Africa, 2019) ➤ Transnet Telecomms station upgrades (South Africa, 2020)
MONITORING PROGRAMMES	➤ Innowind Waainek Wind Farm – 12 Month Bat Monitoring (South Africa, 2017) ➤ Triton Ancuabe Graphite Mine – 12 Month Water Monitoring (Ancuabe, Mozambique, 2019) ➤ Kenmare Pilivili – Mangrove Monitoring, Mozambique (Moma, Mozambique, 2020) ➤ ELIDZ Water Monitoring Plan (South Africa, 2020) ➤ EDF Chaba Wind Energy Project – 5th Year Bat Monitoring (South Africa, 2022) ➤ EDF Grassridge Wind Energy Project – 5th Year Bat Monitoring (South Africa, 2022) ➤ EDF Waainek Wind Energy Project – 5th Year Bat Monitoring (South Africa, 2022) ➤ EDF Wesley Wind Energy Project – 1st Year Bat Monitoring ➤ Albertinia Mine Monitoring (South Africa, 2022) ➤ EDF Wesley Wind Energy Project – 2nd Year Bat Monitoring (South Africa, 2024)

Languages	Speak	Read	Write
English	Excellent	Excellent	Excellent
Afrikaans	Satisfactory	Satisfactory	Satisfactory

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.



JUSTIN GREEN

Date: 31 January 2025