



EOH COASTAL & ENVIRONMENTAL SERVICES COMPANY PROFILE

Environmental &
Social Advisory Services

Systems make it possible...
People make it happen.



Overview

EOH Coastal & Environmental Services has its head office in Grahamstown, where it was founded in 1990, to service a then fledgling market in the fields of Environmental Management and Impact Assessment.

EOH CES now has offices in Cape Town, Port Elizabeth, East London and Johannesburg (South Africa), Romsey (United Kingdom) as well as a wholly owned subsidiary in Maputo, Mozambique (Coastal and Environmental Services Lda. is registered as an Environmental Practitioner with the Mozambican authorities).

The Company has grown apace with the increased market demand for environmental and social advisory services in developing and emerging markets in Africa, Asia and Eastern Europe. Our principal area of expertise lies in assessing the impacts of the development process on the natural, social and economic environments through, among other instruments, the environmental impact assessment (EIA) process. We believe that by offering these services we contribute meaningfully towards sustainable development.

Our approach

We adopt a scientific approach to our studies, underpinned by an informed and holistic view of the environment and a pragmatic approach to sustainable development. This results in deliverables that are robust, defensible and credible. This is important for both the development and EIA processes, and as a result the outputs of our studies demonstrate objectivity, sincerity and professionalism. We believe that a balance between development and environmental protection can be achieved by skillful and careful planning, and that our outputs reflect this. Our track record across developing/emerging countries (mostly Africa) is evidence of the value add we bring to the environmental and social

BACKGROUND

In 2013 EOH Mthombo (Pty) Ltd acquired all the shares in CES (Pty) Ltd, and CES now operates as EOH Coastal & Environmental Services. We are proud to be associated with EOH (www.eoh.co.za) which is one of the largest providers of enterprise applications, technology, outsourcing, cloud and managed services, as well as consulting services in a range of disciplines. The group is active in South Africa and Africa and has a strong Black Economic Empowerment profile.

This acquisition has enabled EOH CES to combine EOH's great reach and reputation with CES's recognized excellence in environmental and social advisory services. It has allowed us to maximize our strengths and our comprehensive offerings in the environmental and social fields, with the EOH Group providing additional administrative and fiduciary support.

advisory services we provide and has contributed to our deep understanding of the environmental and social challenges associated with establishing and operating facilities and infrastructure in emerging markets.

Our staff is usually comprised of over 35 consultants and approximately 12 support staff. All professional staff members are well qualified, and as many as 90% have advanced postgraduate qualifications, including PhD, MSc and MA degrees in the biological, social and environmental sciences.

In addition, EOH CES has well-developed working relationships with a number of other individual specialists and specialist consulting companies who provide us with expertise in disciplines such as air quality impact assessments, noise impacts, heritage assessments, radiation hazard assessments, groundwater studies and health impact. Generally we have worked with the same sub-consultants for over a decade, so they understand our requirements and are willing to go the extra mile for us. Our network of environmental and social professionals across the continent has enhanced our ability to successfully execute projects outside of South Africa.

Areas of expertise

EOH CES offers the following advisory services:

- Environmental Impact Assessments and Basic Assessments compliant with South African EIA regulations
- Environmental Social & Health Impact Assessments (ESHIA) compliant with Equator Principles and IFC Performance Standards
- Environmental, Social & Governance due diligence and compliance auditing monitoring
- Environmental Control Officer (ECO) and Environmental Site Officer (ESO) services
- Environmental & Social Risk Assessments and Feasibility Studies
- Environmental and Social Management System development
- Strategic Environmental Assessments
- State of Environment and Sustainability Reporting
- Socio-economic baseline surveys and Social Impact Assessments
- Resettlement Action Plans, resettlement planning and land holding and asset inventory surveys
- Scoping-level Health Impact Assessments
- Climate Change Adaptation & Mitigation Assessments and Greenhouse Gas Inventories
- Environmental & Social Monitoring Program development and execution
- Biodiversity baseline assessments including critical habitat identification
- Long-term bird & bat monitoring for wind energy projects
- Integrated Coastal Zone Management and coastal dune ecology
- Environmental & Social Training and skills development
- Integrated Waste Management
- Development of rehabilitation and mine closure plans
- Visual Impact Assessments

EOH CES specializes in the following sectors:

- Mineral mining sector
- Biofuel and Agri- Industrial sector (Forestry, Palm Oil, commercial crops)
- Ports and Harbours
- Renewable Energy (wind, solar, PV, hydroelectric)
- Mining and extractive industries
- Infrastructure
- Industrial Facilities
- Aquaculture
- Environmental Biotechnology

We have a demonstrated ability to manage ESIA's and ESHIA's for large and complex projects.

This experience was gained in the 1990's whilst undertaking integrated environmental management studies and managing large and complex environmental and social impact assessments at a time when regulatory requirements to do so in most African countries did not exist. EOH CES has managed numerous large ESIA's and ESHIA's from the pre-feasibility stage (where we undertake Environmental and Social Risk Assessment) through to the bankable feasibility and funding stages for international clients.

Our reports have been rigorously reviewed by parties such as the World Bank, MIGA, the European Investment Bank (EIB), the International Finance Corporation (IFC), the Deutsche Investitions- und Entwicklungsgesellschaft (DEG) Bank (part of KfW), the African Development Bank (AfDB), and the Dutch Development Bank (FMO).

RECENT MAJOR PROJECT EXPERIENCE

Since 1990 EOH CES has undertaken a large number of EIAs, ESIA's, ESHIA's, specialist studies, Environmental, Social & Governance (ESG) due diligences and Environmental, Social (E&S) audits to international standards.

We benchmark our studies against the Equator Principles and the IFC Performance Standards, but we are also very familiar with the specific standards of many Development Finance Institutes (DFI), such as the EIB and AfDB. In addition, we have experience with a number of specialized sustainability standards including the Roundtable for Sustainable Biomaterials (RSB) and Roundtable for Sustainable Palm Oil (RSPO).

We are therefore familiar with the requirements of the safeguard policies and performance standards of most major DFI's and private sector banks.

A selection of some of our larger flagship projects are described below. For further detail, see our series of brochures covering specific fields of expertise.

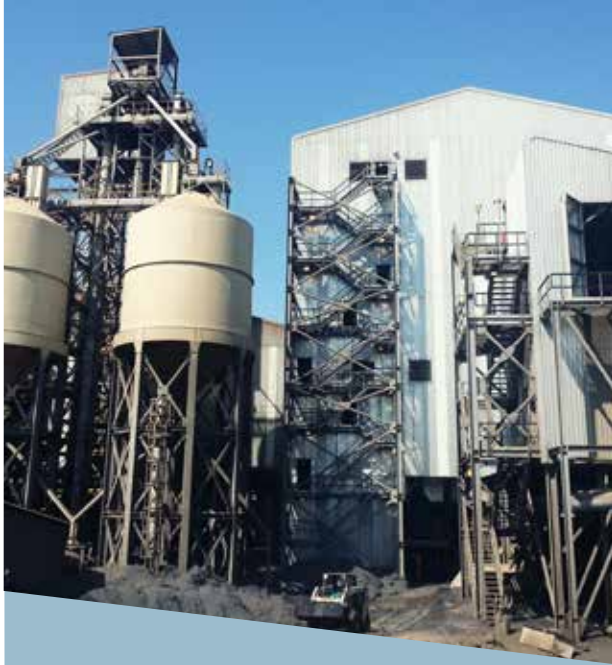


Mining and Extractive Industry

- **Zirco Resources – Northern Cape Province South Africa (2013–2016):** EOH CES completed the ESIA for a heavy minerals mine in the Northern Cape Province of South Africa. A large number of the specialist assessments were conducted internally by EOH CES specialists. The project has been completed and a positive Environmental Authorization was issued. EOH CES continues to provide E&S advisory services to Zirco Resources.
- **Kenmare Moma ESIA and ongoing E&S advisory services – Nampula Province Mozambique (since 1997):** EOH CES coordinated and managed the entire EIA process, and also undertook a number of the specialist studies (vegetation, marine and freshwater ecosystems, natural resource use and rehabilitation) in early 2000 for Kenmare's Moma operation. The EIA resulted in the production of 5 volumes of reports (namely, Scoping and Terms of Reference, Specialist reports, EIR, Summary report, and Comments report). EOH CES managed and coordinated the production of the specialist volume, and wrote and produced all other volumes. The EIA was approved and the project has been up and running since mid-2000. In 2010, CES was contracted to prepare the Addendum ESIA for the Phase II expansion of the Moma mine which was subsequently approved by MICOA. The associated reports were also reviewed extensively by international lender groups and the Lenders Independent Engineers in the United Kingdom. The reports were found to be of a high standard, and funding for the expansion was approved.

Subsequently, EOH CES was responsible for the Environmental and Social Pre-Feasibility assessments and the Scoping studies for the Phase III expansion involving three separate deposits. All three scoping studies were accepted by MICOA. EOH CES were appointed in 2014 to complete an IFC Gap Analysis, which included a desktop gap analysis of the E&S performance of Kenmare Resources' Heavy Mineral Mining operation at Moma against the requirements of the IFC Performance Standards 2012 as well as the Equator Principles III (2013).

This assessment built on the gap analysis that was conducted in 2013. The primary deliverable was a gap analysis report highlighting any potential gaps in performance and, where appropriate, action to be taken to address these gaps.



Biofuels and Agri-Industry

- **El Burullus Heavy Minerals Mine – Egypt (2009):** Comprehensive EIA for pre-feasibility study and Draft Environmental Management Plan for a proposed heavy mineral mine situated on the western side of the Nile Delta in northern Egypt. Study done to World Bank standards.
- **Syrax Resources Limited - Balama Graphite Mine Project - Cabo Delgado Province, Mozambique (2013-2015):** EOH CES conducted a full ESHIA of the Balama Graphite Mine in Mozambique. The ESHIA included several baseline specialist studies. The ESHIA was completed in 2014 and an Environmental Licence was issued in early 2015. Construction on the project was initiated in mid-2015. In addition to the ESHIA, EOH CES also finalised a RAP process in order to economically resettle between 200 and 250 affected farm owners.
- **Trident Copper / Nickel Project – North Western Province Zambia (2011-2012):** CES was contracted by Kalumbila Minerals Ltd, a subsidiary of First Quantum Minerals to undertake an Environmental Impact Assessment and prepare an Environmental Impact Statement (EIS) for a copper mine in accordance with Zambian Legislation. The project involved the construction of a large scale copper mine and associated infrastructure in the North Western Province of Zambia, almost mid-way to Mwinilunga from Solwezi. In addition to a large pit (The development of the Sentinel project will see the construction of a 40 Mtpa copper sulphide concentrator, being one of the largest copper mines in Africa) the EIS also assessed the impacts of two large river diversions, the construction of two large dams (2,400ha in extent), a 10,000ha Tailings Storage Facility, waste rock dumps, internal roads, and a saw mill. CES also completed the following specialist studies as part of the EIS: Surface and Groundwater Assessment, Environmental Water Requirements Assessment (Musangezhi and Chisola Rivers), Botanical Assessment, Land and Resource Use Assessment, Waste Assessment and an Environmental and Social Risk Assessment for the River Diversions and Tailings Storage Facility. This project was approved by the Zambian Environmental Management Authority (ZEMA) and is in operation.
- **Addax Sugarcane to Ethanol Biofuel Project – Sierra Leone (2012):** ESHIA for a large plantation of sugarcane, ethanol processing factory and cogeneration plant, including a Social and Environmental Management Plan, and Resettlement Action Plan. A full-scale baseline monitoring programme was also prepared. The study was completed to IFC, WB and AfDB standards and all reports and supporting documentation were reviewed by international lenders.
- **RSB Guidelines for environmental and social impact assessment (2009):** The ESIA guidelines that CES developed for the RSB are based on international best practice but have also been tailored to comply with the RSB Principles and Criteria for Sustainable Biofuels. These guidelines are therefore specifically for the biofuels sector and indicate, through a screening approach, when it is appropriate to undertake a full ESIA, a Rapid Assessment or just an Environmental Management Plan.
- **Zambeef Products Plc Biodiversity and Social Technical Assistance (2014 – 2016 ongoing):** As part of a technical agreement with the German Development Bank (DEG) and Zambeef, EOH CES has developed a Biodiversity Action Plan (BAP) for one of Zambeef's farms which is situated within the Lower Zambezi Game Management Area, Zambia. One of the key issues that emerged during development of the BAP was the lack of a comprehensive biodiversity baseline for the proposed wildlife corridor and the EOH CES team was subsequently tasked with preparing the baseline. Based on the findings of this study and an assessment of the needs of local communities it was proposed that the land be managed as a conservation area rather than a corridor. In addition to development of the BAP, EOH CES also assisted the company to prepare five individual Stakeholder Engagement Plans (SEPs) to facilitate management of communication between the company and their stakeholders, including the communities surrounding their five farming operations.
- **Green Resources Niassa and Lurio Plantation Project (2012 – 2016 ongoing):** In 2014 EOH CES completed the EPDA and ESHIA for the establishment of 30,000 ha of new forest plantations in Niassa Province (Lichinga) for NGR. In 2015 EOH CES were responsible for the upgrading LGR's ESHIA for the establishment of a 126,000 ha new hardwood forest plantation to lenders standards. These studies were completed to comply with Mozambican standards, as well as international standards (IFC; African Development Bank; European Investment Bank; Forest Stewardship Council Policy and Standards; Climate, Community and Biodiversity Alliance Standards; and the Clean Development Mechanism Project Standards and activities).



Renewable Energy

- **Wind and Solar Energy EIAs (2009-Ongoing):** EOH CES have been involved in over 50 EIA's or Basic Assessment applications related to wind and solar energy projects since 2009, representing 30 projects for 12 clients. These projects have ranged in size from 2 Mw to 700Mw.. The majority of these projects have received positive Environmental Authorisations, and thus far ten of them have, as part of the Department of Energy's renewable energy programme, received preferred bidder status. A number of projects are in operation or under construction. EOH CES has also provided ECO services for many of these projects.
- **Kafue Gorge Lower Hydropower Station – Zambia (2010):** Due Diligence study of previous environmental and social impact assessments for a proposed 600–900MW peaking hydropower station in the Kafue Gorge, including preparation of a detailed Terms of Reference for an Environmental, Social and Health Impact Assessment, determination of social and environmental impacts, and environmental flow requirements, in the lower Kafue River (work study undertaken with Water for Africa SA). Study done to IFC, World Bank and AfDB standards and all reports reviewed by IFC and WB.
- **HydroSA (Pty) Ltd (2015- ongoing):** Environmental Impact Assessment to South African national standards for a 40MW run-of-river HPP on the Orange River. The project uses the elevation difference over the 56m-high Augrabies Falls as the driving head. The project is sensitive because, although the underground power chamber is outside the boundary of the Augrabies Falls National Park, it will be necessary to run the feed water across park land via an underground culvert, from a low diversion weir across the river inside the park boundary.

Ports and Harbours

- **Ngqura Port EIA:** The development of a new deep water port was critical to the success of the Coega Industrial Development Zone, outside Port Elizabeth. EOH CES was awarded the contract to lead the EIA for this development and was responsible for overall management of the project. The close proximity of the proposed port to two small islands increased the complexity of the assessment which incorporated a large number of specialist studies covering both marine and terrestrial habitats. Subsequent to successful completion of the EIA, CES was also involved in the planning of land use within the port which had to take into consideration various terrestrial ecological requirements.
- **Strategic environmental assessments (SEAs) for the ports of East London and Port Elizabeth and the scoping phase of the SEA for the Mossel Bay Port (2008):** The primary objective of each of these studies was to identify opportunities and constraints associated with implementation of respective Port Master Plans that could be related to the environmental and socio-economic contexts of each of the ports. The scoping phase of the studies involved extensive stakeholder engagement and identification of gaps in the baseline information. These gaps were subsequently addressed and used to inform the recommendations emerging from the SEAs.
- **Environmental risk assessment of alternative bunkering modes (2012):** This project involved a detailed environmental risk assessment of alternative modes for bunkering of fuel in the Port Elizabeth Port and development of risk management guidelines. This study, which involved the application of "event tree analysis", had to take into consideration the various existing approaches to storage and shore-to-ship transfer of fuel within the port, as well as assess the relative environmental risks and benefits associated with new alternatives. This project involved extensive engagement with key stakeholders including owners of fishing fleets and providers of bunkering services.

Infrastructure and Industrial facilities

- **Kalagadi Manganese (Pty) Ltd (2012):** EIA to SA national standards for a manganese smelter in the Coega Industrial Development Zone, Port Elizabeth, South Africa, to produce 310 000 tonnes per annum of high-carbon ferro-manganese alloy for the export market. The assessment included a specialist study to analyse the large volumes of slag produced by the smelting process, to determine its suitability for use in, for instance, road building or the manufacture of cement.
- **Independent Power Producers Office of the SA Department of Energy:** EIA for 600MW floating power plant installation in the Port of Ngqura, Coega IDZ, Eastern Cape. The project is an effective way of relatively quickly mobilising additional power generation capacity that can feed into South Africa's national grid, until such time as facilities are developed at the country's ports to receive liquefied natural gas as part of the energy supply mix.
- **EIA of the Knysna TR2 Upgrade for the Western Cape Provincial Department of Transport (2007):** The assessment investigated the impacts of the upgrade of the section of N2 highway, known as the TR2, that runs alongside the Knysna Lagoon. The upgrade involved extending the carriageway into the lagoon, which is an extremely sensitive environment.
- **Qolora Aquaculture Zone (2011):** A full EIA was conducted for the Qolora Aquaculture Zone, a community based aquaculture facility aimed at accommodating a number of production operators and the production of different marine organisms. The aquaculture zone also includes hatcheries, processing facilities and all related infrastructure. This project required an application for a Waste Licence due to the treatment of marine and domestic waste water.
- **R63 Road upgrade EIA & Mining Application (Baziya to Mithatha):** Obtaining environmental authorisation on behalf of SANRAL for the upgrade (widening & rehabilitation) of 40km's of the R63 between Baziya & Mithatha, Eastern Cape Province. This included applying for Water Use Licences (WULA's) for all water crossings along the road section, and mining applications to the Department of Mineral Resources two Borrow Pits and a hard rock quarry to obtain road building material.
- **N9 Road upgrade EIA & Mining Application (Middelburg, Eastern Cape):** Obtaining environmental authorisation on behalf of SANRAL for the upgrade (widening & rehabilitation) of 23km's of the N9 between Middelburg & Carlton Heights, Eastern Cape Province. This also included applying for WULA's mining applications.
- **Environmental Control Officers (ECO) services to SANRAL:** On site deployment of ECO's for the upgrade of the R63 Ngcobo (EC), N2 Caledon (WC), R65 Fort Beaufort (EC), R61 Port St Johns (EC). These services include monthly environmental audits for the duration of the construction phase. On behalf of SANRAL, team EOH CES ensured that all contractors complied with the Environmental Authorisation and EMPr.

Climate Change

- **Transnet National Ports Authority Climate Change Risk Assessment (2009):** This project involved a detailed assessment of direct and indirect climate change-related risks and appropriate mitigation and adaptation strategies for all seven commercial ports in South Africa. The approach involved a review of the latest climate change prediction models for the relevant geographical areas in order to understand the likely context-specific manifestations of climate change. An "event tree" risk methodology was then applied to this information in order to understand the likely implications for the individual ports including the potential for damage to infrastructure, disruption to port operations and energy consumption.
- **Web-based climate change response monitoring and evaluation system for South Africa (2015-ongoing):** EOH CES are working together with other business units in the EOH Group to develop this system for the Department of Environmental Affairs.
- **Buffalo City Metropolitan Municipality Climate Change Strategy (2013).** The strategy identified the main climate change risks and adaptation and mitigation opportunities. Responses and detached action plans were developed for high priority risks and opportunities.



Water Sector

- **Ndlambe Local Municipality Water Supply Scheme (2012):** EOH CES conducted a number of EIAs for various elements of the Ndlambe Bulk Water Scheme for Amatola Water. This included a groundwater abstraction and supply scheme for Port Alfred, and reticulation of groundwater from an existing water treatment works at Cannon Rocks to Alexandria. The appointment also included obtaining all other necessary approvals, including water use licenses in terms of the National Water Act and Coastal Waters Discharge Permit in terms of the Integrated Coastal Management Act.
- **Lusikisiki Regional Water Supply Scheme (2015):** EOH CES conducted an EIA for the augmentation of the existing potable water supply to the Lusikisiki area. The augmentation included the construction of Zalu Dam on the Xura River, upgrading of the abstraction infrastructure, upgrading of the potable water treatment works, replacement of various water supply pipelines and reservoirs, expansion of the existing distribution network, and establishment of small groundwater schemes. The appointment also included obtaining all other necessary approvals, as mentioned above.
- **Sandile Dam to Cannon Rocks potable water supply pipeline (2015):** EOH CES is conducting the EIA for the construction of a potable water supply pipeline from the Burns Hill Reservoir (supplied by the Sandile Dam water treatment works) to Cannon Rocks, approximately 180 km away. The scope of works includes all appropriate Water Use Authorisations, Authorisations for Borrow Pits from the Department of Mineral Resources.
- **Debe Water Supply Scheme Upgrade (2015):** EOH CES is conducting an EIA for the upgrade of numerous elements of the existing Debe water supply scheme. This appointment includes all Water Use Authorisations and approvals from the ECPHRA.

Coastal zone ecology and management

- **Eastern Cape Coastal Management Programme:** Provincial Department of Economic Affairs Environment and Tourism. Assisted in the development of the Eastern Cape Coastal Management Programme which was an initiative that emanated from the White Paper for Sustainable Coastal Development. It provided a framework for coastal management in the Eastern Cape.
- **Integrated Coastal Zone Management Plan (CZMP):** EOH CES prepared one of the first Integrated Coastal Zone Management Plans (CZMP), based on the requirements of the then Coastal Management White Paper for the Buffalo City Municipality coastline in the Eastern Cape. It established an appropriate framework for improved management of the coastline, and included recommendations to promote the sustainable development and management of the marine and coastal environment and natural resources.
- **ADM District Coastal Management Plan:** EOH CES developed an Integrated Coastal Management Programme (CMP) for the coastal region from the Great Fish River to the Mbashe River. This CMP covers the entire coastline of the Amathole District Municipality (ADM), excluding Buffalo City Metro Municipality (BCMM), for which a CMP has already been prepared. The CMP is aligned with the requirements of the National Environmental Management: Integrated Coastal Management Act (24 of 2008) (ICM Act). It focuses more closely on the coastlines of the Great Kei and Ngqushwa local municipalities (LM), but also integrated the findings of the CMPs currently being developed for Mbashe and Mnguma LMs.



Social sector

- Lesotho Highlands Water Development Authority (LHDA) Socio-economic baseline survey - Maseru and Mokhotlong, Lesotho (2013 – ongoing):** As part of Phase II of the Lesotho Highlands Water Project and the construction of the new Polihali Dam in Mokhotlong, CES completed a 20 month Socio Economic Baseline Study (SEBS) in the rural highlands in eastern Lesotho. The study included two extensive survey studies (a comprehensive census survey of 11,500 households within the expansive study area as well as a longitudinal income and expenditure survey of all households within 12 sample villages – each household in each village was surveyed once a month for a full year). In addition to the surveys, the study collected and collated secondary data, and ran approximately 45 focus group discussions utilising a range of participatory rural appraisal techniques across the entire study area. The two surveys produced a very significant amount of data (including spatial data and photographs), which were captured in two large Access databases. The Comprehensive database contains 11 172 survey instances, 395 088 records, captured in 44 related tables. The Monthly database contains 4290 survey instances, 156 088 records, captured in 30 related tables. Database management included continued database cleaning and management, as well as running queries for data analysis in the databases and conducting database training for project officials.
- Bisie Tin Mining Project for Mining Processing Congo (MPC) SPRL & Alphamin Resources Corp. to IFC Standards (DRC) (2015 - 2016).** EOH CES was contracted by Alphamin Resources to conduct a Socio-Economic Baseline Study (SEBS) for the Bisie Tin Mining Project in the DRC. The project involved extensive household surveys in extremely remote conditions. Around 1,000 households were interviewed in 8 traditional villages.
- Lúrio Green Resources SA Pty Ltd. for a large scale plantation project in Mozambique:** This also included developing a Global Resettlement Framework, pilot RAP, training and various management plans including a Monitoring Plan, Cultural resource management plan, grievance mechanism and a stakeholder engagement plan to IFC Standards.



Due diligence and compliance auditing

- Rift Valley Railways, Kenya and Uganda (2012- 2016 ongoing):** EOH CES has been appointed as Independent Environmental and Social Monitor (IESM) for the rehabilitation of the existing railway network in Kenya and Uganda. After the initial contracting period appointment (June 2012 to June 2014), EOH CES was reappointed to monitor compliance with all relevant guidelines and standards for an additional 2 years. The project involves a number of international investors and lenders including the IFC, the AfDB, the FMO, DEG, KfW and Proparco.
- Copperbelt Energy Corporation Environmental & Social Verification (2014 – 2020):** EOH CES has been appointed as the Lenders' Independent Reviewer by a consortium of international Development Finance Institutions. The scope of the assignment is to review, over a period of at least 6 years, compliance of the CEC with the E&S requirements of the loan agreement on a biennial basis. This includes, amongst other things, compliance at a corporate level and at project level at installations in Zambia and Nigeria, with the IFC Performance Standards. Assets included in the scope include hydropower dams and extensive electrical distribution networks.
- Farmsecure Agri-industries, South Africa (2011):** EOH CES was appointed by Deutsche Investitions und Entwicklungsgesellschaft mbH (DEG) to conduct an environmental and social scoping review of Farmsecure, a service provider to the South African agricultural sector. The overall objective of the review was to provide DEG with an overview of Farmsecure's environmental and social performance at management level, at operational sites and on farms within the Farmsecure Group of companies. Farmsecure's activities include providing technical and financial support and marketing services to grain, oilseed and livestock farmers, fruit farmers and packers, as well as manufacture and distribution of a range of fertilisers. The particular focus of the review was a recent environmental due diligence study, carried out by others, in respect of Farmsecure's fertiliser division, Kynoch.

Monitoring and Post EIA services

- **Environmental Monitoring Programme review:** EOH CES were appointed by Kenmare Resources to undertake a comprehensive review of their environmental monitoring programme. This included interpreting weekly water and effluent monitoring data against the requirements of the World Bank, African Development Bank and Mozambican legislation, to ensure compliance.
- **Environmental Control Officers (ECO) services to Enel:** On site deployment of ECO's for the Nojoli Wind Farm outside Cookhouse, Eastern Cape the Gibson Bay Wind Farm outside Humansdorp, the Paleisheuvel Solar Plant, Pieketsberg, Western Cape and the Tom Burke Solar Plant, Western Cape. These services include the permanent deployment of ECO's to all sites and for the duration of the construction phase. On behalf of the owners team EOH CES ensured that all contractors complied with the Environmental Authorisation and EMP.
- **Water Monitoring Programme:** The East London Industrial Development Zone appointed EOH CES to implement their water monitoring programme as lead consultants. The project involved the monitoring of surface and groundwater at the East London Industrial Development Zone.

Training and teaching

- **NACOMA "Tools of Coastal Zone Management" Training Course (2008):** Tools of Sustainable Coastal Zone Management (2009): This World Bank-funded course was developed by CES to train more than 50 government and municipal officials from all over Namibia on the suite of environmental management tools that are applicable to the management of coastal zones and associated natural resources. The course incorporated theoretical sessions with reinforcement through field-based case studies.
- **Integrated Coastal Management Act training course (2013):** EOH CES was contracted by the South African Department of Environmental Affairs to develop a series of two-day training courses to 175 delegates from different provinces around South Africa. The primary purpose of the course was to enhance the understanding of the implications and application of the Integrated Coastal Management Act in the public and private sector. The course content provided a good balance between the theoretical aspects of ICM and the related practical aspects.
- **Introduction to EIA:** This 1-week course has been delivered by EOH CES in collaboration with Rhodes University's Department of Environmental Science since 2000. It has been attended by employees of numerous other environmental consultancies and government departments and is always fully subscribed.

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