Annex A

Undertaking by the EAP and the Project Team CVs
### Details of EAP and Declaration of Interest

<table>
<thead>
<tr>
<th>Description</th>
<th>Information</th>
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</thead>
<tbody>
<tr>
<td>File Reference Number:</td>
<td><em>(For official use only)</em></td>
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<tr>
<td>NEAS Reference Number:</td>
<td>12/12/20/</td>
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<td>Date Received:</td>
<td>DEA/EIA/</td>
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</tbody>
</table>


### Project Title

Environmental Impact Assessment for a IOX Subsea Cable System to be Landed in East London

<table>
<thead>
<tr>
<th>Environmental Assessment Practitioner (EAP):¹</th>
<th>Environmental Resources Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact person:</td>
<td>Vicky Stevens</td>
</tr>
<tr>
<td>Postal address:</td>
<td>Postnet Suite 90, Private Bag X12, Tokai</td>
</tr>
<tr>
<td>Postal code:</td>
<td>7966</td>
</tr>
<tr>
<td>Telephone:</td>
<td>021 681 5400</td>
</tr>
<tr>
<td>E-mail:</td>
<td><a href="mailto:Vicky.stevens@erm.com">Vicky.stevens@erm.com</a></td>
</tr>
<tr>
<td>Professional affiliation(s) (if any)</td>
<td>Registered as a Professional Natural Scientist (Reg no 400170/17); Member of the International Association for Impact Assessment (IAIA)</td>
</tr>
</tbody>
</table>

| Project Consultant:                         | Indian Ocean Xchange SA (Pty) Ltd                                            |
| Contact person:                             | David Marie                                                                 |
| Postal address:                             | PO BOX 132, Melrose Arch, Johannesburg, Gauteng                            |
| Postal code:                                | 2076                                                                        |
| Telephone:                                  | +230 405 4300                                                               |
| E-mail:                                     | dave@iox.mu                                                                 |
4.2 The Environmental Assessment Practitioner

I, Vicky Stevens declare that –

General declaration:

- I act as the independent environmental practitioner in this application
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
  - all the particulars furnished by me in this form are true and correct;
  - will perform all other obligations as expected from an environmental assessment practitioner in terms of the
    Regulations;
  and
- I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.
Disclosure of Vested Interest (delete whichever is not applicable)

I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014;

I have a vested interest in the proposed activity proceeding, such vested interest being:

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________

________________________________________________________________________________________

Signature of the environmental assessment practitioner:

Environmental Resources Management

Name of company:
03 July 2018

Date:
APPENDIX 9
9.1 DECLARATION OF THE EAP

I, Victoria Stevens, declare that –

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 18 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the competent authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in section 49B of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- I have a vested interest in the proposed activity proceeding, such vested interest being:

[Signature of the environmental assessment practitioner]

Name of company:

Date
APPENDIX 9

9.2 UNDERTAKING UNDER OATH/ AFFIRMATION

I, Vickiwa Sdens, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

[Signature]

Signature of the environmental assessment practitioner

GKM

Name of company

160108 12018

Date

[Signature]

Signature of the commissioner of oaths

2018 - 08 - 16

Date

SOUTH AFRICAN POLICE SERVICE
COMMUNITY SERVICE CENTRE

16 AUG 2018
GEMEENSKAPSDIENSSENTRUM
SEA POINT/SEEPUNT
SUID-AFRIKAANSE POLISIEDIENS
I, Victoria Stevens, hereby make this affidavit:

I swear that all the information submitted for the purposes of this application is true and correct.

I am unable to sign.

I know and understand the content of this statement.

I have no objection to taking the prescribed oath.

I consider the prescribed oath to be binding on my conscience.

Signed at SEAPoint on 16/08/2018 at 08:15

POLICE STN

I certify that the above statement was taken by me and that the deponent has acknowledged that he/she knows and understands the contents of this declaration which was sworn to before me and the deponent's signature was placed thereon in my presence at Sea Point on 16/08/2018 at 08:15.

COMMISSIONER OF OATHS

FULL NAMES

SAPS, C/O BAY RD & BILL PETERS DRIVE
SEA POINT
RANK: Constable
SA POLICE SERVICE
Henry Camp is a senior environmental, social and governance and regulatory specialist. He is a Partner based in ERM’s Cape Town, South Africa office.

Henry has more than 30 years of broad-ranging professional experience in the environmental field. For the past more than 20 years he has focused on supporting clients with environmental and social planning and implementation of major capital projects. He has directed feasibility studies; scoping studies; environmental, social and health impact assessments (ESIA); environmental impact statements (EIS); baseline and resource studies; mitigation and environmental management plans (EMP); stakeholder engagement; resettlement plans; and due diligence, compliance, monitoring and audit studies.

Henry has worked and travelled extensively in Africa and supported clients in more than 30 countries across the continent. He has extensive experience in West Africa working in the oil and gas and power sectors and has worked on some of the largest projects in the sub-region. He also has experience in the mining, power generation and transmission, telecommunications, and manufacturing sectors.

He has worked on numerous projects performed to World Bank, International Finance Corporation, and other international lender standards and guidelines. Henry also brings a background of experience working under the United States regulatory requirements including extensive work on NEPA-guided projects for US public sector clients such as DOE, DOI and DOD.

Henry joined ERM in 2007. Prior to joining ERM, Henry was a Vice President with ICF International and before that held a senior position at Arthur D Little in the USA.

Fields of Competence
- Environmental, Social, and Health Impact Assessment (ESIA)
- Environmental and Social Due Diligence Assessments
- Environmental Management Plans and Systems
- Environmental and Social Monitoring and Evaluation
- Environmental and Social Baseline Surveys
- Public Consultation and Disclosure
- Land Acquisition and Resettlement Planning
- Capacity Building and Training

Professional Affiliations and Registrations
- International Association for Impact Assessment (IAIA)
- Society of Petroleum Engineers

Education
- BA in Biology, University of Vermont

Languages
- English
- German (basic)

Key Industry Sectors
- Oil and Gas
- Power
- Experience in numerous other business sectors such as mining, infrastructure, manufacturing, agribusiness, and telecommunications

Work History
- 2007 – Current: Environmental Resource Management, South Africa (Johannesburg and Cape Town)
Publications and Presentations
Mr Camp has prepared numerous presentations on a wide range of environmental issues, including impact assessment, analytical techniques, oil spills, bioremediation and phytoremediation, and chemical fingerprinting. He has also conducted numerous training programmes. Recent presentations include:

- The Future is Now: Imagery-Based Analysis and Assessment for More Robust ESIs, SPE Conference, Accra, Ghana, 2016
- EIA and Permitting in a Changing Regulatory Environment, IAIA Conference (May 2015)
- Management of Environmental and Social Risks in EPC Contracts, IAIA Conference (May 2012)
- Historic Influences on Land Use Rights in West Africa, SubOptic Conference, Tokyo, Japan (May 2010)
- Strategies for Local and International Partnerships in EIAs, IAIA Conference in Accra Ghana (May 2009)
- Data Acquisition Strategies for Large Scale, Linear Development Projects, IAIA Conference, Boston, MA (June 2005)

Key Projects

Financial Institutions Support

Power

Environmental and Social Due Diligence Assessment of a Thermal Power Plant, Nigeria, Aiteo, 2017
Project Director
Mr Camp led the assessment of the Calabar Power Plant, a 564 MW gas-fired, open-cycle, thermal power plant located near the city of Calabar in Cross River State, Nigeria (the Project). The power plant was constructed by the Nigerian Federal Government as part of the National Integrated Power Projects (NIPP) programme involving government-led development of new power plants to fast-track new power generation capacity. Aiteo intended to purchase the plant and assume operations. The assessment evaluated current state of the plant and operations.

Environmental and Social Due Diligence Assessment of a new Thermal Power Plant, Ghana, Confidential Financial Sector Client, 2017
Project Director and Lead Assessor
Mr Camp led the assessment of a new open cycle thermal power plant being constructed in Ghana. The assignment included review of management documents and inspection of the project which was under construction at the time. The assessment covered areas of environmental and social management, labour and health and safety, emissions management, and land take and resettlement.

Environmental and Social Due Diligence Assessment of a new Thermal Power Plant, Nigeria, Confidential Financial Sector Client, 2016
Project Director
Mr Camp led the assessment of a new open cycle thermal power plant being developed in Nigeria. The assignment included review of planning documents and inspection of the project which was under construction at the time. The assessment covered the plant as well as the gas supply pipeline, evacuation power line, and transmission and substation upgrades. The assessment covered areas of environmental and social management, labour and health and safety, emissions management, and land take and resettlement.

Environmental and Social Due Diligence Assessment of the Starsight Power, Nigeria, AIIM, 2017
Project Director
Mr Camp led the assessment of Starsight Power Utility Limited, a company that provides captive power and energy efficiency solutions to commercial customers in Nigeria using a solar–diesel–battery hybrid power solution. The scope of work entailed the independent determination of material environmental and social aspects within the applicable regulatory and performance framework.

Environmental and Social Due Diligence Assessment of New Power Plant, Sierra Leone, Confidential Financial Client, 2016
Project Director
Mr Camp led the assessment a new heavy fuel oil (HFO) power plant that would be located on a site in the Kissy Dock area, approximately 4 km east of the
centre of Freetown, Sierra Leone. The power plant will be developed first as a 57 megawatts electrical (MWe) installation and then an additional two phases of 35.5MWe, resulting in a total output of 128 MWe to the transmission network. The assignment included review of planning documents. The assessment covered areas of environmental and social management, labour and health and safety, emissions management, and land use and resettlement.

Environmental and Social Support to the Qua Iboe Power Plant (QIPP), Nigeria, Confidential Client, 2015 to present

**Project Director**

Mr Camp led the assessment the QIPP, a new gas-fired thermal power plant being developed in the Niger Delta region of Nigeria. The assignment included review of planning documents and inspection of the project which was under construction at the time. The assessment covered the plant as well as the gas supply pipeline, evacuation power line, and transmission and substation upgrades. The assessment covered areas of environmental and social management, labour and health and safety, emissions management, and land use and resettlement. Mr Camp is leading a follow-on assignment to support the developer in addressing lender requirements and development of an EHS organisation. The work has included the design and execution of various field surveys and specialist studies and engagement with potential lenders to the project.

Environmental and Social Due Diligence Assessment of the Aba Integrated Power Plant (AIIP), Abia State, Nigeria, Confidential Client, 2015

**Project Director**

Mr Camp led the assessment the AIIP, a new 147MW gas-fired thermal power plant being developed in Abia State, Nigeria. The assignment included review of planning documents and inspection of the project which was under construction at the time. The assessment covered the plant as well as the gas supply pipeline, evacuation power line, and transmission and substation upgrades. The assessment covered areas of environmental and social management, labour and health and safety, emissions management, and land use and resettlement.


**Project Director**

Mr Camp directed the assessment of a 16.5 megawatt (MW) biomass power plant near Mkuze in KwaZulu-Natal Province, South Africa. The plant will use biomass in the form of sugarcane rests and other sources of woody, non-woody and invasive plant biomass as fuel. The Assessment was carried out with respect to applicable requirements of South African laws and regulations and lender environmental and social standards.

**Oil and Gas**

Environmental and Social Due Diligence Assessment of Gas Distribution Company (Project Accuracy), Nigeria, Confidential Client, 2017 to present

**Project Director**

Mr Camp led the assessment of an existing gas distribution network in Nigeria. The assets included an extensive pipeline network serving numerous industrial customers in the Niger Delta. The pipeline will have a total length of about 360km. The scope of work entailed the independent determination of material environmental and social aspects within the applicable regulatory and performance framework.

Environmental and Social Due Diligence Assessment of New Fuels Product Pipeline (Project Three Pea), Cameroon, Confidential Client, 2017

**Project Director**

Mr Camp led the assessment of a proposed new fuels product pipeline that would be built in Cameroon. The Project involves the construction and operation of a white fuel hydrocarbon pipeline that will run from Limbe to Douala and Douala to Yaounde. The pipeline will have a total length of about 360km. The scope of work entailed the independent determination of material environmental and social aspects within the applicable regulatory and performance framework.

Environmental and Social Risk Screening of Potential Acquisition of Onshore Oil and Gas Assets (Project Amazon), Nigeria, Confidential Client, 2017

**Project Director**

A mid-tier oil and gas company was considering equity investment in a project to re-develop existing onshore oil and gas assets in the Niger Delta. The scope of work involved the determination and assessment of critical environmental and social issues associated with the assets. The work also involved an evaluation of...
political and social risks associated with the process of taking over and operating the assets. The assignment used remote sensing data and inputs from specialists knowledgeable of the local environmental and social issues.

Environmental and Social Due Diligence Assessment of Oil and Gas Development Programme (Project Santolina), Nigeria, Shell Petroleum Development Company, 2016 - ongoing

Project Director

Mr Camp led the assessment of a large development and expansion programme related to oil and gas production operations in the Niger Delta. SPDC intends to undertake an infill drilling programme and well production improvement programme with the goal to increase the rate of oil and gas production of the existing assets. The assessment provided an independent determination of material environmental and social risks associated with drilling programme and the related assets. The assessment was carried out against the requirements of applicable Nigeria laws and regulations and lender environmental and social standards and guidelines. It involved review of information available from public domain, the desktop-based evaluation of documentation, a review of external factors, interviews, and on-site inspections.

Environmental and Social Due Diligence Assessment of New Crude Oil Refinery and Fertiliser Plant, Nigeria, Dangote, 2016 - 2018

Project Director

Mr Camp led the assessment of a new crude oil refinery and fertiliser plant being developed by Dangote. The refinery and plant are being constructed in the Lekki Free Zone near Lagos. The assessment provided an independent determination of material environmental and social risks and was carried out against the requirements of applicable Nigeria laws and regulations and lender environmental and social standards and guidelines. It involved review of information available from public domain, the desktop-based evaluation of documentation, a review of external factors, interviews, and on-site inspections.

Environmental and Social Due Diligence Assessment of Fuel Products Terminal, Ghana, Vitol, 2017

Project Director

Mr Camp led the assessment of the Tema Terminal, a fuel product storage and distribution terminal located in Tema, Ghana. The Assessment was carried out with respect to environmental and social requirements of Ghana laws and regulations and international financial institutions.

Environmental and Social Due Diligence Assessment of ANOH Gas Project, Nigeria, Seplat Petroleum Development Corporation, 2017 to present

Project Director

Mr Camp is leading the assessment of the proposed ANOH gas plant development. The assignment involves an initial risk screening based on a review of Project planning documentation including environmental and social impact assessment and technical plans to identify impacts and risks, in particular ‘red flags’. This will be followed by a detailed review of Project planning documentation and site visit to observe environmental and social conditions and conduct interviews with key people.

Environmental and Social Due Diligence Assessment of New Modular Refinery, Nigeria, Waltersmith, 2016

Project Director

Waltersmith is planning to construct and operate a 5,000 barrel per day (bpd) modular refinery in Imo State, Nigeria. The refinery will process crude oil from the Ibigwe Field, a marginal field currently operated by Waltersmith. Mr Camp led the assessment of the proposed project as per lender requirements. The assessment provided an independent determination of material environmental and social risks associated with drilling programme and the related assets. The assessment was carried out against the requirements of applicable Nigeria laws and regulations and lender environmental and social standards and guidelines. It involved review of information available from public domain, the desktop-based evaluation of documentation, a review of external factors, interviews, and on-site inspections.

Independent Environmental and Social Performance Monitoring of Onshore Oil and Gas Development, Kenya and Ethiopia, Africa Oil Company, 2015

Project Director

Mr Camp led the assessment of onshore oil and gas exploration and development activities in Kenya and Ethiopia. The assessment was part of a monitoring programme required by the company’s lenders including IFC. The assessment provided an independent determination of material environmental
and social risks associated with drilling programme and the related assets. The assessment was carried out against the requirements of applicable national laws and regulations and lender environmental and social standards and guidelines. It involved review of information available from public domain, the desktop-based evaluation of documentation, a review of external factors, interviews, and on-site inspections.

Environmental and Social Due Diligence Assessment of New Oil and Gas Development, Nigeria, Lekoil, 2017
Project Director and Lead Assessor
Mr Camp led the assessment of an oil and gas production development in Rivers State, Nigeria. The project involves the rehabilitation and completion of two existing oil and gas wells and installation of an Early Production Facility (EPF) to process produced well fluids and associated gas. It will also involve the installation of a diesel topping plant to make diesel fuel for sale to the domestic market. The assessment was carried out against the requirements of applicable Nigeria laws and regulations and lender environmental and social standards and guidelines. It involved review of information available from public domain, the desktop-based evaluation of documentation, a review of external factors, interviews, and on-site inspections.

Environmental and Social Due Diligence Assessment of Fuel Import System and Storage Terminal (Project Kingfisher), Ghana, Confidential Client, 2017
Project Director and Lead Assessor
Mr Camp led the assessment of an existing import mooring system to evaluate compliance with applicable international environmental and social standards and client’s E&S requirements; and to identify and assess E&S risks which may pose a liability or risk. It involved review of information available from public domain, the desktop-based evaluation of documentation, a review of external factors, interviews, and on-site inspections.

Environmental and Social Due Diligence Assessment of Oil and Gas Development Company Assets, Nigeria, Cameroon, and Republic of Congo, EIG Global Energy Partners, 2015
Lead Assessor
Mr Camp provided input to the review of oil and gas company’s global assets. Mr Camp led on the evaluation of assets in the Republic of Congo and provided technical inputs to reviews of assets in Nigeria and Cameroon. The review was conducted as part of investment due diligence.

Environmental and Social Due Diligence Assessment and Monitoring of Oil and Gas Drilling Programme (Project Cheetah), Nigeria, Chevron Nigeria Limited, 2014 - present
Project Director
Mr Camp led the assessment of a 35 well drilling programme related to oil and gas production operations Oil Mining Licenses (OMLs) 49, 90 and 95 comprising the Meren, Okan, Meji, Gbokoda, Benin River, Makaraba and Abiteye fields in Nigeria. CNL intends to undertake a drilling programme with the goal to increase the rate of oil and gas production of the existing Assets. The assessment provided an independent determination of material environmental and social risks associated with drilling programme and the related assets. The assessment was carried out against the requirements of applicable Nigeria laws and regulations and lender environmental and social standards and guidelines. It involved review of information available from public domain, the desktop-based evaluation of documentation, a review of external factors, interviews, and on-site inspections.

Environmental and Social Due Diligence Assessment and Monitoring of Offshore Drilling and Development Programme (Project Falcon), Nigeria, Chevron Nigeria Limited, 2015 - present
Project Director
Mr Camp led the assessment of an infill well drilling and development programme related to the Sonam Field in Nigeria. Project will use the Escravos Gas Plant (EGP) facilities to deliver 215 million cubic feet of natural gas per day to the domestic gas market and produce a total of 30,000 barrels of liquids per day. The assessment evaluated E&S plans and performance indicators as well as onsite inspection of the assets and drilling operations. The assessment was carried out against the requirements of applicable Nigeria laws and regulations and lender environmental and social standards and guidelines.

Environmental and Social Due Diligence Assessment of the Litchendjili Field Development, Republic of Congo, New Age, 2014 - 2015
Lead Assessor
Mr Camp led the assessment the Nene Field Development, an offshore oil and gas prospect located
in Marine Block XII in the Republic of Congo. New Age and partners including Eni are currently implementing the first phase of development which involves offshore oil and gas fields and onshore processing facilities. The assessment involved desktop-based evaluation of planning documents, site visit, and interviews.


Project Director
Mr Camp led the assessment of oil and gas production areas acquired and operated by Seplat Petroleum in the Niger Delta including Oil Mining Licenses (OMLs) 41, 4, and 38 in Edo State and Delta State, Nigeria. The assets include oil wells, connecting pipelines, gathering and processing facilities and export pipelines. The assignment involved on-site inspection and desk-top data review of historic records and information about on-going operations. The outputs were used by lenders to evaluate company compliance with local and lender environmental requirements. The assignment includes periodic monitoring of operations.

Environmental and Social Due Diligence Assessment of Oil and Gas Production Areas, Nigeria, Seplat, 2011 - 2013

Project Director
Mr Camp led the assessment of oil and gas production areas acquired by Seplat Petroleum in the Niger Delta. The work involved on-site inspection and desk-top data review or historic records and information about on-going operations. The outputs were used by lenders to evaluate company compliance with local and lender environmental requirements. The assets included oil wells, connecting pipelines, gathering and processing facilities and export pipelines.

Environmental Due Diligence of Onshore and Offshore Oil and Gas Production Facilities, Angola, Confidential Client, 2009 - 2010

Lead Assessor
Mr Camp carried out a Phase 1 environmental assessment as part of a due diligence process support asset divestiture. The assignment involved desktop based review of project documents (including impact assessments and monitoring data) and a field survey and inspection of the assets including oil wells, connecting pipelines, gathering and processing facilities and export terminal.

Environmental and Social Due Diligence Assessment of a Jatropha Plantation, Ghana, Tamesek, 2017

Project Director and Lead Assessor
Mr Camp carried out the assessment of a new jatropha plantation being developed by Smart Oil in the Brong-Ahafo Region in south-central Ghana. The plantation is being developed in stages. The review focussed on issues of land take and resettlement, biodiversity protection, worker safety, and environmental protection.

Environmental and Social Due Diligence Assessment of a New Eucalyptus Plantation and Biomass Power Project, Ghana, Africa Plantations for Sustainable Development, 2017

Project Director and Lead Assessor
Mr Camp carried out the assessment of a new eucalyptus plantation being developed in the Brong-Ahafo Region in south-central Ghana. The review focussed on issues of land take and resettlement, biodiversity protection, worker safety, and environmental protection.

Environmental and Social Performance Review of Rubber and Oil Palm Plantations, Liberia and Sierra Leone, Proparco and Sifca, 2016

Lead Assessor
Mr Camp conducted a review of rubber and oil palm plantation operations in Liberia. The review was intended to identify gaps in compliance with national laws and regulations as well as with the requirements of international lenders. Two new operations, involving extensive plantation areas and processing plants were reviewed. The assignment involved review of project documentation, interviews with project development management, and site visits. The results of the assignment are being used to guide corrective action and process improvement.

Environmental and Social Management Systems Development for the Outgrowers and Value Chain Fund, Ghana, KfW, 2016

Project Director
Mr Camp led the development of an ESMS for the OVCF, a fund that provides financing to agriculture schemes in Ghana. The assignment included review of projects financed by the fund (oil palm, rubber, cocoa,
rice) to identify issues and risks. The review was used to guide the development of a comprehensive E&S management system for the fund and fund participants including banks, small holder farmers, and off takers (distributors and processors).

**Environmental and Social Performance Review of Oil Palm Plantations, Ghana, Unilever, 2015  
Lead Assessor**

Mr Camp conducted a review of oil palm plantation operations in Ghana. The review was intended to identify gaps in compliance with national laws and regulations as well as with the requirements of international lenders. The company’s operations involving extensive plantation areas and processing plants were reviewed. The assignment involved review of project documentation, interviews with project development management, and site visits. The results of the assignment are being used to guide corrective action and process improvement.

**Environmental and Social Risk Management Review of Rubber Small Holder Loan Programme, Liberia, IFC, 2015  
Lead Assessor**

Mr Camp conducted a review of a proposed loan programme intended to support small holder rubber producers in Liberia. The programme would be administered through commercial banks and the Firestone Rubber Company. The review involved assessment of bank risk management processes to ensure that key environmental and social aspects would be evaluated. The assignment involved review of project documentation, interviews with bank representatives, and site visits.

**Environmental and Social Performance Review of Rubber and Oil Palm Plantations, Liberia and Sierra Leone, IFC and Socfin, 2015  
Lead Assessor**

Mr Camp conducted a review of rubber and oil palm plantation operations in Liberia and Sierra Leone. The review was intended to identify gaps in compliance with national laws and regulations as well as with the requirements of international lenders. Three operations, involving extensive plantation areas and processing plants were reviewed. The assignment involved review of project documentation, interviews with project development management, and site visits. The results of the assignment are being used to guide corrective action and process improvement.

**Environmental and Social Due Diligence Assessment of a New Coffee Plantation, Tanzania, FMO, 2012  
Lead Assessor**

Mr Camp carried out the assessment of a new coffee plantation being developed in the southwest portion of Tanzania. The review focussed on issues of workers and labour conditions, land acquisition, as well as impacts to the natural environment.

**Environmental and Social Due Diligence Assessment and Action Plan for Wheat Farms and Flour Mills, Tanzania, Confidential Client, 2009 - 2010  
Project Director**

ERM was commissioned to conduct an Environmental and Social (E&S) Assessment, and develop Environmental and Social Action Plans to address gaps between existing practices and applicable IFC performance guidelines, and to provide recommendations with regard to the further development of an E&S management system and community engagement systems.

**Environmental and Social Due Diligence Assessment and Action Plan for Rubber Plantation and Processing Plant, Cameroon, Confidential Client, 2008  
Lead Assessor**

ERM was commissioned to conduct an Environmental and Social (E&S) Assessment, and develop Environmental and Social Action Plans to address gaps between existing practices and applicable IFC performance guidelines, and to provide recommendations with regard to the further development of an E&S management system and community engagement systems.

**Environmental and Social Performance Appraisal of a Flower Growing Operation, Kenya and Ethiopia, Confidential Client, 2008  
Project Director**

ERM carried out an appraisal of a large scale flower growing operations against international; performance standards. The project involved on-site interviews and field studies to determine the compliance with local regulatory requirements as well as with lender requirements. The operation was considering major expansion into greenfield areas and the appraisal was
used to determine the applicable social and environmental requirements.

Environmental and Social Performance Appraisal of a Fish Processing Company, Madagascar and Cote d’Ivoire, Confidential Client, 2008

Project Director
Mr Camp led the appraisal of a tuna fish processing company with operations in Africa. The evaluation included assessment of fish stocks and sustainability as well as food safety in operations.

Manufacturing

Environmental and Social Due Diligence Assessment of a Cement Plant Expansion Project, Nigeria, Confidential Financial Client, 2015

Lead Assessor
Mr Camp led the appraisal of a planned expansion of a cement plant near Shagamu, Ogun State, Nigeria. The project involves construction of new cement works and new quarry operations as well as installation of new power generation facilities. The appraisal involved interviews with representatives of local communities and review of project plans and progress with regards to conformance with IFC Performance Standards.

Environmental and Social Due Diligence Assessment of Automobile Distribution Company, Angola and Kenya, AfricInvest, 2015

Project Director
Mr Camp directed the assessment of an automobile sales and distribution company with locations in Angola and Kenya. The assignment involved review of project documentation, interviews with project development management, and site visits. Issues related to materials management and worker health and safety were reviewed. The results of the assessment were used to support AfricInvest’s evaluation of the investment.

Environmental and Social Due Diligence Assessment of Steel Manufacturing Company, Ghana, BIO, 2015

Project Director
Mr Camp led the assessment of a steel manufacturing facility and supporting infrastructure being built near Tema, Ghana on behalf of Belgian Investment Company for Developing Countries (Belgische Investerings-maatschappij voor Ontwikkelingslanden) (BIO). The project would process recycled scrap metal and manufactured high quality steel bars (rebar) used in building construction. The assessment looked at issues related to environmental planning and permitting, worker health and safety, supply chain management, and emissions control.

Environmental and Social Due Diligence Assessment of Hotel Chain, Benin, Cote d’Ivoire, Guinea and Senegal, AfricInvest, 2014 - 2015

Project Director
Mr Camp directed the assessment of a hotel development and management company. The company was developing hotels in four West African countries. The assignment involved review of project documentation, interviews with project development management, and site visits. Issues related to land acquisition and economic displacement were reviewed. The results of the assessment were used to support AfricInvest’s evaluation of the investment.

Independent Social and Environmental Consultant, Gabon Fertilizer Project, Gabon, AfDB and Lender Group, 2012 - 2014

Project Director
Mr Camp directed the assessment and monitoring of a proposed new fertiliser plant in Gabon near Port Gentil for a lender group that included AfDB, IFC, and Standard Chartered. The assessment involved desktop-based data reviews and site inspections. The project involves a significant marine dredging and potential effects on marine and coastal fauna.

Environmental and Social Due Diligence Assessment of a Cement Plant Expansion Project, Nigeria, Confidential Client, 2009

Lead Assessor
Mr Camp led the appraisal of a planned expansion of a cement plant in southern Nigeria. The project involved construction of new cement works and expansion of quarry operations as well as installation of new power generation facilities. The appraisal involved interviews
with representatives of local communities and review of project plans and progress with regards to conformance with IFC Performance Standards.

**Mining**


*Project Director*

Mr Camp was director of an assessment of a proposed new mine development in Central Arica Republic against the Equator Principle requirements. The assessment involved desktop based data review and a site inspection. Mr Camp assisted with the presentation of the results of the assessment to prospective lenders.

**Compliance Audit of Environmental Management Commitments of the Tenke Fungurume Mine, Republic of Congo, Freeport Mining, 2010**

*Lead Auditor*

Mr Camp carried out an audit of the TFM, a large scale copper and cobalt mine in DR Congo. The audit evaluated the mine’s implementation of the commitments made in the EIA and associated EMP. These include technology and operational controls for groundwater and surface water protection, air and noise emissions, and waste and hazardous material management. The audit included an extensive onsite inspection of all plant and mine areas including conveyors, pipelines, dams and roads.

**Transportation**

**Environmental and Social Due Diligence Assessment of the Blue Line Project, Nigeria, LAMATA, 2012 - ongoing**

*Project Director*

Mr Camp is directing the assessment of the Blue Line project a new high speed rail development in Lagos, Nigeria. The assessment involves on-site interviews and inspections to determine compliance with local regulatory requirements as well as with lender requirements including the IFC Performance Standards. The assessment is focusing on issues related to land acquisition, worker safety, and community safety. The outputs included a gap assessment as well as a detailed action plan to address environmental and social issues.

**Portfolio and Management Systems**

**Environmental and Social Performance Review, Nigeria, Dangote, 2015**

*Lead Assessor*

Mr Camp conducted a review of portfolio projects in development including cement, agribusiness, and petrochemicals. The review was intended to identify gaps in compliance with national laws and regulations as well as with the requirements of international lenders. More than 10 projects were reviewed. The assignment involved review of project documentation, interviews with project development management, and site visits. The results of the assignment were used to guide corrective action as part of process improvement related to lender requirements.

**Monitoring of Portfolio Projects, Various Countries, Kingdom Africa Management, 2013**

*Project Director*

Mr Camp is Project Director for a programme supporting KAM on environmental and social performance of portfolio investments. The work involves desktop based review of environmental and social information, interviews, and evaluation of projects against IFC Performance Standards. Work under this programme thus far has included investments in Morocco, Cote d’Ivoire, Madagascar, and South Africa.

**Environmental and Social Assessments (New Project Appraisals and Portfolio Project Supervision Support), Africa, International Finance Corporation, 2007 - 2011**

*Project Director*

Mr. Camp was Project Director for a programme supporting IFC on environmental and social performance appraisals of potential new project as well as existing (portfolio) investments. The work involved visits to the project sites, review of environmental and social information, interviews, and evaluation of projects against IFC Performance Standards. Work under this programme thus far has included assessments of:

- Oil and gas facility in East Africa
- Diversified agribusiness in Mozambique
- Rice facility in Uganda
- Forest plantations and mills in Tanzania, Uganda, and Mozambique
- Soft drink manufacturer and distributor with operations in six East African countries
Oil and Gas Development

Environmental and Social Impact Assessment of a New Crude Oil Refinery, Nigeria, BUA Group, 2017 to present
*Project Director*
Mr Camp is leading an assignment to provide technical and advisory support to a developer of a new refinery in the Niger Delta. The assignment includes review of technical documents and guidance of locally based consultants.

Environmental and Social Impact Assessment of a New Fuel Products Terminal, Nigeria, Westron Energy, 2017 to present
*Project Director*
Mr Camp is leading an assignment to conduct and ESIA of a new tank farm on a 7 ha site in Ijegun, Lagos. The Project is comprised a marine berthing and loading/off-loading facilities comprising mooring systems for import and export of light refined petroleum products; onshore storage facility.

Environmental and Social Impact Assessment of a New Fuel Products Terminal, Nigeria, Puma Energy, 2009 to 2011
*Project Director*
Mr Camp led the assignment to conduct and ESIA of a new tank farm in the Lekki Free Zone, near Lagos, Nigeria. The Project comprised a marine berthing and loading/off-loading facilities comprising mooring systems for import and export of light refined petroleum products; onshore storage facility comprising of ten to twelve floating roof petroleum storage tanks with a total capacity between 250,000 and 300,000 cubic metres; distribution systems including up to four truck loading islands; and designed to allow future expansion of an additional 250,000 cubic metres of storage capacity; and subsea pipeline system connecting the moorings to the onshore facilities across a shore crossing.

Environmental and Social Impact Assessment for the HOPP Fuel Products Pipeline, Djibouti and Ethiopia, Black Rhino, 2015 - ongoing
*Technical Director*
Mr Camp is providing technical direction for the ESIA for a new fuels pipeline that would run from the port in Djibouti to a distribution terminal near Addis Ababa in Ethiopia. The work has includes a detailed study to identify major environmental and social risks to inform design. The next phases will include detail impact assessment and resettlement planning.

Environmental and Social Impact Assessment Scoping for the DWT OCTP Development, Ghana, Hess, 2015 - ongoing
*Project Director*
Mr Camp directed the scoping study for the DWT OCTP Development, Hess’ deepwater oil production and export project offshore Ghana. The project comprises installation of production wells and reinjection wells and a FPSO. The scoping study involves extensive public and stakeholder consultation. An ENVID workshop was conducted to inform the scoping process.

Environmental and Social Impact Assessment for the OCTP Development, Ghana, Eni, 2014 - ongoing
*Technical Director*
Mr Camp provided technical direction for the ESIA for Eni’s oil and gas development in the Offshore Cape Three Points (OCTP) block offshore Ghana. The project comprises installation of production wells and reinjection wells and a FPSO. The project is involving extensive public and stakeholder consultation including major lending institutions such as IFC. The ESIA has also involved an extensive community consultation programme covering coastal communities in the Western Region.

Environmental and Social Support to the TEN Development, Ghana, Tullow Oil, 2011 - ongoing
*Project Director*
Mr Camp has been providing support to Tullow for their TEN Development, Ghana’s second major oil and gas project.

- **Project Director for Environmental and Social Impact Assessment**
  Mr Camp directed the ESIA for the TEN Jubilee Field Development, the second deepwater oil production and export project offshore Ghana. The project comprises installation of production wells...
and reinjection wells and a FPSO. The project is just the second in Ghana and the ESIA is involving extensive public and stakeholder consultation including major lending institutions such as IFC. A major output of the ESIA is management plans covering waste, discharge, and oil spills. The ESIA has also involved and extensive community consultation programmes covering more than 20 coastal communities in the Western Region.

- **Technical Advisor for Management Plan Development**
  Mr Camp is providing technical direction for the development of environmental and social management plans for the implementation of the TEN Development. The plans cover a range of environmental issues including waste management, discharge control, and environmental monitoring.

Mr Camp was co-trainer in a programme to develop skills and capacity within the client’s organisation as well as the client’s partners and regulatory communities. The training covered process risk and safety, environmental assessment and marine ecology.

**Environmental and Social Support to the Jubilee Field Development, Ghana, Tullow Oil, 2008 – 2012**

*Project Director for ESIA*

Mr Camp led assisting to Tullow Oil with a variety of support activities related to the development of the Jubilee Field, a major oil and gas discovery offshore Ghana. Mr Camp directed the ESIA for the Jubilee Field Development, a deepwater oil production and export project offshore Ghana. The project comprises installation of production wells and reinjection wells and a FPSO. The project is the first of its find in Ghana and the ESIA is involving extensive public and stakeholder consultation including major lending institutions such as IFC. A major output of the ESIA is management plans covering waste, discharge, and oil spills.

- **Technical Advisor for EMP Implementation**
  Mr Camp provided technical support to the development of specific plans and procedures for implementation of the environmental management plans and monitoring programme for FPSO operations.

- **Project Director for Communications Strategy**
  Mr Camp is leading the development of a public communications strategy for the Jubilee Field Development. The assignment includes stakeholder consultation, branding, and communications strategy related to environmental and social issues.

- **Technical Advisor for Fishing and Fisheries Study**
  Mr Camp is providing technical inputs and advising on a comprehensive study of fishing and fisheries in the Jubilee Field’s area of influence. The study is being carried out as a combination of desktop research (including data gathering with Ghana officials and scientists) and primary data collection including laboratory testing.

**Environmental, Social and Health Impact Assessment of the Sonaref Project, Angola, Sonangol, 2006 - ongoing**

*Project Director*

Mr Camp is Project Director for the environmental, social and health impact assessments of a proposed new refinery to be built near Lobito, Angola. The project is being advanced by Sonangol, the state oil company of Angola. The refinery would be situated near Lobito Harbour. Extensive new works are proposed for access to the site including a new loading dock, connecting pipelines, access road, and construction support facilities. The ESHIA is being conducted in accordance to Angolan requirements and in accordance to international best practices. To carry out the work, the project is involving the participation of local specialists and experts.

**Environmental and Social Impact Assessment for a Petroleum Products Import Facility, Lekki, Nigeria, Confidential Client, 2009 - 2010**

*Project Director*

An international oil and gas distribution company is planning a new petroleum products import, storage and distribution facility for Nigeria. The facility will be located in Lagos State, Nigeria, on the Lekki Peninsula on the coast in the southern portion of the Lekki Free Trade Zone (LFTZ). Mr Camp led the ESIA to comply with Nigeria regulations and the Equator Principles. A key part of this work included stakeholder engagement with communities and the government officials and working with the local consultant to guide the proponent through the process of acquiring the relevant environmental and other planning permits as part of the EIA process.
Environmental, Social and Health Impact Assessment of the OK LNG Project, Nigeria, OK LNG FZE, 2006 - 2008

Project Manager
Mr Camp was Project Manager for the environmental, social and health impact assessments of a proposed new LNG plant to be built in coastal Nigeria. The project sponsors included Chevron, Shell, British Gas and NNPC. In the role of PM, he oversaw the work of the project management and technical teams comprised of Nigerian scientists and experts and international technical experts. The project included baseline data gathering and impact analysis for both the offshore and onshore environments. The ESHIA also interacted with the resettlement planning. To carry out the work, Henry spent significant periods of time in Nigeria working directly with OKLNG and the ESHIA team.

Environmental Impact Statement for a New Pipeline, United States of America, Kinder Morgan Pipeline, 2006 - 2007

Technical Advisor
As part of the third party team, Mr Camp led the project scoping for a proposed new 138 mile long pipeline. In this role he was responsible for coordinating the analysis and activities for the purpose and need and project description, alternatives analysis, reliability and safety analysis, and public involvement. He worked closely with the client and the oversight agency to define and maintain a description of the proposed action and alternatives, which in turn provided a consistent analytical basis to determine the affected environment and analyse impacts. He also coordinated with the impact assessment team to ensure that they understand the proposed action and alternatives and have the construction and operational information that they need to analyse the impacts.

EIS for the Expansion of the US Strategic Petroleum Reserve (SPR), United States of America, USDOE, 2005 - 2007

Technical Advisor
Mr Camp assisted USDOE in preparing the EIS for the expansion of the SPR and served as the engineering interface for the development of the proposed action and alternatives. The EIS considered existing and newly proposed storage sites along the Gulf Coast in order for the Secretary of Energy to select sites for the acquisition to meet with the full authorized volume of the SPR. Besides the salt dome storage facilities, the study also included the analysis of an extensive network of oil supply pipelines, water discharge pipelines and power transmission lines. The EIS was prepared to meet the requirement established in the Energy Act of 2005 for the Secretary to complete the site selection process.


Lead Assessor
Mr Camp provided senior input to the Brass LNG environmental, social and health impact assessments of a new LNG plant to be built around Brass in the Niger Delta. The project included baseline data gathering and impact analysis for offshore and onshore project environments. Henry Camp consulted on the data acquisition programme, conducted laboratory audits and consultations, and performed senior review of the final report.

West Africa Gas Pipeline (WAGP) Environmental and Socioeconomic Impact Assessment, West Africa, Chevron and Partners, 2002 - 2006

WAGP, a 600 km onshore and offshore pipeline, is being constructed to connect Nigeria to new gas markets in Benin, Togo and Ghana. Mr Camp played numerous roles in the WAGP ESIA and spent extensive time in Ghana, Togo, Benin, and Nigeria over the course of the project.

- Chief Scientist for Baseline Studies
  Mr Camp led the development of the environmental survey plan and directed the implementation of the field work. Mr Camp actively participated in the two seasons of field work and led the marine surveys which collected data on water and sediment quality and of fish resources. Has also provided technical support and training to Nigerian scientists on matters related to field data acquisition and laboratory support. This aspect of the project involved in-country laboratory auditing, review and training. The programme also included evaluation of laboratory capability needs and coordination of procurement and delivery of laboratory instrumentation.

- Senior Author for Impact Assessment Report
  Mr Camp contributed heavily to the completion of the four country-specific ESIA reports. He was actively engaged in the impact assessment process and led the drafting of major sections of the assessment report. The reports were ultimately
granted approval by the World Bank which was supporting project financing, as well as by the four countries where the project will be constructed. Mr Camp participated in extensive stakeholder and public engagement during the report disclosure.

- **Project Manager for Environmental Management Plans**
  Mr Camp managed the development of detailed environmental and social management and monitoring plans (ESMP) for the project’s construction phase. The plans were developed to address the potential impacts identified in the ESIA and to conform to ISO 14001 requirements. The plans were accepted by World Bank as part of the lending process.

- **Project Manager for the Environmental and Socioeconomic Audit**
  Mr Camp directed an audit of WAGP’s compliance with the project’s Environmental and Social Management Plan (ESMP) during the construction phase of the project. The audits were conducted through a combination of site visits and documentation reviews. The project also involved training of local environmental scientists in auditing skills in order to build local capacity for compliance monitoring. Field work included evaluation of construction activities at the pipeline shore crossings in Takoradi and Tema in Ghana; Lome, Togo; Contonou, Benin; and in Badagry, Nigeria; as well as the site of the compressor station construction in Nigeria. The audit reported was submitted by WAGP to World Bank as part of environmental and social performance reporting.

**Escravos Gas to Liquids Plant (EGTL) Environmental Impact Assessment, Nigeria, Chevron Nigeria Limited, 2000 - 2006**

**Programme Manager**
Mr Camp was Programme Manager for the Escravos Gas to Liquids Plant EIA, a proposed new oil and gas development project in the Delta region of Nigeria. The EIA covered the proposed plant as well as associated connecting pipelines and dredging work. The comprehensive EIA analysed the proposed gas to liquids process by working side by side with HES and engineering specialists. Project work included working with design engineers to provide environmental impact feedback, integration of a regional baseline survey data, coordination with stakeholders and regulatory authorities, working closely with Nigerian scientific partners, impacts analysis, environmental compliance review, and mitigation and monitoring plans.


**Programme Manager**
Mr Camp was the Programme Manager for the Agbami Field Development EIA which built upon the work that was done as part of the Preliminary Impact Assessment Report (PIAR). Mr Camp directed the work of the international consultancy and worked with a Nigerian consultancy partner to assemble literature sources, develop complex air emissions modelling to assess environmental impacts from production operations, and write and review significant EIA chapters.

**Escravos Gas Plant Expansion Phase 3 (EGP-3) Environmental Impact Assessment, Nigeria, Chevron Nigeria Limited, 2000 - 2004**

**Programme Manager**
Mr Camp acted as Programme Manager for the Escravos Gas Plant Expansion Phase 3 EIA which analysed gas plant expansion activities in Nigeria. The development project included the doubling of the onshore plant capacity and addition of new offshore production wells, platforms, and pipeline in sensitive nearshore, beach, mangrove and forest areas. Both offshore development and onshore plant expansions were addressed in a single EIA. The surveys included drilling ground water wells, collecting surface water, sediment, ground water, soil samples, vegetation mapping, wildlife surveys and laboratory analyses for organic, inorganic and conventional analyses. Offshore surveys included cruises using sediment profile imagery, collection of sediment samples, benthic invertebrate and fish surveys. The assessment followed a stepwise process with an initial screening based and subsequent assessment of the likelihood and significance of a potential impact, using quantitative measures (including modelling).

**Oil and Gas Exploration**

**Environmental and Social Studies and Permitting Support for Offshore Multi-Client Seismic Survey, South Africa, Schlumberger (Western Geco), 2015 - ongoing**

**Project Director**
Mr Camp is directing the environmental and social studies and legal and regulatory review in support of Schlumberger’s planned seismic survey off the east coast of South Africa. The exploration area is located in an area of environmental sensitivity due to seasonal presences of whales and sea turtles. The studies are supporting regulatory compliance as well as operations planning.

**Environmental and Social Studies and Permitting Support for Offshore Exploration Activities ER236, South Africa, eni, 2015 - ongoing**
*M. Camp*
Mr Camp is directing the environmental and social studies and legal and regulatory review in support of eni’s planned exploration programme in ER236 off the east coast of South Africa. The exploration area is located in an area of environmental sensitivity due to seasonal presences of whales and sea turtles. The studies are supporting regulatory compliance as well as operations planning.

**Environmental and Social Impact Assessment (ESIA) for Proposed Three Dimensional (3-D) Seismic Acquisition Programme Offshore Morocco, Morocco, Chevron, 2014 - 2015**
*M. Camp*
Mr Camp provided technical advice and input to the ESIA of a proposed 3D seismic survey programme offshore Morocco. The survey would cover 1,000 km² in water depths ranging from 1,500 to 2,000 m at more than 140 km from the coastline. The ESIA was conducted in accordance with national laws and regulations as well as Chevron internal standards.

**Environmental and Social Impact Assessment (ESIA) for Proposed Three Dimensional (3-D) Seismic Acquisition Programme Offshore Croatia, Croatia, Spectrum Geo Ltd, 2014**
*M. Camp*
Mr Camp provided technical advice and input to the ESIA of a proposed 3D seismic survey programme offshore Croatia. The survey would cover Blocks 08 to 29 in the Adriatic Sea offshore Croatia. The survey would extend over approximately 23,000 in water depths ranging from approximately 50 m to 1,000 m. The ESIA was prepared in support of the company’s internal environmental management requirements.

**Environmental and Social Impact Assessment (ESIA) for Proposed Two Dimensional (2D) Seismic Acquisition Programme Offshore Morocco, Morocco, New Age, 2014**
*M. Camp*
Mr Camp provided technical advice and input to the ESIA of a proposed 2D seismic survey programme in the Foum Ognit (7) Block offshore Morocco. The ESIA was conducted in accordance with national laws and regulations as well as international good practice.

**New Country Entry Risk Assessment, Confidential Client, Tanzania, 2014**
*M. Camp*
An international oil and gas major was considering farm in to an oil and gas exploration license block in northern Tanzania on a non-operated basis. Mr Camp led the identification and assessment of key environmental and social sensitivities to understand the implications. The assessment was used to inform a decision to consider or abandon the opportunity. The assignment used remote sensing data and inputs from specialists knowledgeable of the local environmental and social sensitivities.

**Environmental Management Programme for Offshore Oil and Gas Exploration of the South West Orange Basin Deepwater Exploration Area, South Africa, New Age, 2014**
*M. Camp*
Mr Camp directed the preparation of an Environmental Management Programme (EMPr) for planned exploration offshore South Africa. The exploration area is located off the West Coast of South Africa and comprises license blocks 3314, 3315, and 3415 (portion of). The process of preparing the EMPr involved the evaluation of the environmental and social setting, identification of potential impacts, and development of mitigations or actions to avoid or reduce impacts. Stakeholder engagement was carried out as part of the process.

**New Country Entry Risk Assessment, Tanzania, Confidential Client, 2014**
*M. Camp*
An international oil and gas major was considering farm in to an oil and gas exploration license block in northern Tanzania on a non-operated basis. Mr Camp led the identification and assessment of key environmental and social sensitivities to understand the...
implications. The assessment was used to inform a decision to consider or abandon the opportunity. The assignment used remote sensing data and inputs from specialists knowledgeable of the local environmental and social sensitivities.

Legal Register and Permitting Plan for Offshore Oil and Gas Exploration Activities, South Africa, ExxonMobil Exploration and Production South Africa Limited (EMEPSAL), 2014
Project Director
Mr Camp led an assignment to develop a comprehensive legal register and permitting plan to guide EMEPSAL’s planning activities related to offshore oil and gas exploration. The assignment included an exhaustive evaluation and cataloguing of relevant legal and regulatory requirements.

Environmental Management Programme for Offshore Oil and Gas Exploration of the Tugela South Exploration Area, South Africa, ExxonMobil Exploration and Production South Africa Limited (EMEPSAL), 2013 - ongoing
Project Director
Mr Camp is directing the preparation of an update to the Environmental Management Programme (EMPr) for planned exploration offshore the East Coast of South Africa. The block is located in a sensitive area along the coastline. The update of the EMPr includes an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan. The EMPr update is being submitted as part of EMESAL’s application to the oversight authority Petroleum Authority South Africa (PASA).

Project Director
Mr Camp led the development of a permitting strategy for exploration and development activities planned for deepwater Blocks 1 and 4 offshore Tanzania. The assignment included detailed assessment of legal and regulatory requirements; determination of the suitability of previous studies (including marine surveys and impact assessment); and recommendation for strategy to address future activities in a ‘block-wide’ manner.

Blockwide Environmental and Social Impact Assessment for Black 1 and Black 4, Tanzania, BG Group, 2013 - 2015
Technical Advisor
Mr Camp is providing technical support to an ESIA to cover oil and gas exploration activities in Black 1 and Block 4 offshore Tanzania. The assignment included detailed assessment of legal and regulatory requirements; determination of the suitability of previous studies (including marine surveys and impact assessment); and engagement with government authorities in matters related to permitting.

Environmental Management Programme for Offshore Oil and Gas Exploration of the Deepwater Durban Exploration Area, South Africa, ExxonMobil Exploration and Production South Africa Limited (EMEPSAL), 2013 - 2014
Project Director
Mr Camp directed the preparation of a comprehensive Environmental Management Programme (EMPr) for EMEPSAL’s planned exploration offshore the East Coast of South Africa. The block is located in deepwater. The development of the EMPr includes an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan. The EMPr is being submitted as part of EMESAL’s application to the oversight authority Petroleum Authority South Africa (PASA). ERM is coordinating an extensive stakeholder engagement programmes.

Environmental and Social Impact Assessment (ESIA) for Proposed Three Dimensional (3-D) Seismic Acquisition Programme, Namibia, Shell International Exploration and Production, 2013 - 2014
Project Director
Mr Camp directed the development of an Environmental and Social Impact Assessment (ESIA) for Shell’s seismic survey programme offshore Namibia. The ESIA process was conducted in alignment with Namibia regulatory requirements, international best practice standards for social and environmental assessments and internal requirements in accordance
with Shell’s corporate HSE policies, standards and guidelines.

Environmental and Social Impact Assessment for Offshore Drilling Programme, Equatorial Guinea, GEPetrol, 2013

Project Director
Mr Camp lead the ESIA of a proposed four well drilling programme that would be carried out by GEPetrol, the national oil company of Equatorial Guinea. The drilling is planned for Block P in the Rio Muni Basin offshore of mainland Equatorial Guinea. The ESIA involved extensive research on environmental conditions in the area of interest.


Project Director
Mr Camp directed the preparation of a comprehensive Environmental Management Programme (EMPr) for NewAGE’s planned exploration surveys in the Bredasdorp Block off the south coast of South Africa. The block is located in water depths between 100m and 200m. The development of the EMPr was carried out in terms of the South Africa Mineral and Petroleum Resources Development Act (MPRDA) and included an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan. The process also included a public consultation process.


Project Director
Mr Camp directed the preparation of a comprehensive Environmental Management Programme (EMPr) for OK Energy Limited’s application to the Petroleum Agency of South Africa (PASA) for an Exploration Right in to explore for oil and gas in the Northwest Pletmos Exploration Area. The development of the EMPr was carried out in terms of the South Africa Mineral and Petroleum Resources Development Act (MPRDA) and included an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan. The process also included a public consultation process.


Project Director
Mr Camp directed the preparation of a comprehensive Environmental Management Programme (EMPr) for Impact Africa’s planned exploration surveys in the Transkei Block and Algoa Block off the south coast of South Africa. The development of the EMPr was carried out in terms of the South Africa Mineral and Petroleum Resources Development Act (MPRDA) and included an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan. The process also included a public consultation process.

Review of Environmental and Social Studies and Legal and Permitting Requirements for Deepwater Exploration Activities, Tanzania, BG Group, 2010

Technical Advisor
Mr Camp provided technical input to a review of previous environmental and social studies in order to determine gaps for further seismic survey and drilling activities planned for deepwater Blocks 1 and 4 offshore Tanzania. The review included detailed assessment of legal and regulatory requirements; determination of the suitability of previous studies (including marine surveys and impact assessment); and making recommendation to bridge gaps for proposed activities. Mr Camp provided training to BG staff as well as Tanzania regulatory representatives on the requirements of the IFC Performance Standards and HSE Guidelines.


Senior Advisor
Mr Camp is provided technical guidance for an EIA for Cobalt Energy. ERM was appointed to undertake an EIA for Block 9 and 21 according to regulatory requirements, and preparation of management plans.

Project Director
Mr Camp directed the preparation of a comprehensive Environmental Management Programme (EMPr) for NewAGE’s planned seismic surveys in the Algoa-Gamtoos Block off the south coast of South Africa. The block is located in water depths between 100m and 200m. The development of the EMPr was carried out in terms of the South Africa Mineral and Petroleum Resources Development Act (MPRDA) and included an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan. The EMPr was submitted as part of Shell’s application to the oversight authority Petroleum Authority South Africa (PASA). ERM provided further support to Shell in the way of update to the environmental planning documents and monitoring of the seismic survey. ERM also facilitated a day long lessons learned workshop as part of Shell’s continuous improvement process.

Impact Assessment and Preliminary Environmental Report (PER) for Exploration in the Owo Prospect, Ghana, Tullow Ghana Limited (TGL), 2010
Technical Advisor
Mr Camp provided technical oversight for the preparation of a Preliminary Environmental Report (PER) for planned exploration and appraisal drilling in the Owo prospect located in the Deepwater Tano Block west of the Jubilee Field. The PER covered six exploration and appraisal wells to further delineate the discovery. The PER was prepared to provide the Ghana Environmental Protection Agency (EPA) with sufficient information to issue authorizations for the activity and to meet Tullow corporate requirements.

Environmental Management Programme for Exploration Drilling in the Bredasdorp Basin Block 9 Exploration Area, South Africa, PetroSA, 2010
Project Director
Mr Camp directed the preparation of a comprehensive Environmental Management Programme (EMPr) for PetroSA’s planned exploration drilling in the Block 9 License Area located offshore of the south coast of South Africa. The activities would occur approximately 150km to the south of Mossel Bay in water depths less than 200m. PetroSA intends to carry out further exploration activities to further develop oil and gas supplies to the ongoing production areas. The
development of the EMPr included an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan. The assignment was carried out to update PetroSA’s environmental documentation with the oversight authority Petroleum Authority South Africa (PASA).

Environmental Impact Assessment for Block 8 and 23, Maersk Oil Angola AS, Angola, 2009 - 2012

Senior Advisor

Mr Camp is provided technical guidance for an EIA in Angola, Maersk Oil Angola AS entered into a Production Sharing Agreement (PSA) for Blocks 8 and 23 located at Kwanza Sul province, offshore Angola. Maersk is responsible for conducting an exploration programme comprising seismic acquisition and the drilling exploratory wells in Block 8 and 23. ERM was appointed to undertake an EIA for these blocks according to regulatory requirements, preparation of management plans and oil spill and cuttings discharge modelling.

Environmental and Social Baseline Survey and Impact Assessment for an Onshore Seismic Survey and Drilling Programme, Cameroon, Kosmos Energy, 2009 - 2011

Project Director

Mr Camp directed the environmental and social baseline surveys and impact assessment for a proposed seismic survey and exploration drilling campaign of an on-shore oil and gas deposits in Cameroon. This work is involving a comprehensive ground-based study of the environmental conditions including an extensive survey of the mangrove areas. The social studies involved surveys of remote communities. The ESIA will be used to guide the seismic survey and drilling operations in terms of placement and operational controls.

Environmental and Social Impact Assessment for an Onshore 2D Seismic Survey, Ethiopia, White Nile and Africa Oil, 2008 - ongoing

Project Director

Mr Camp directed the environmental and social scoping for a proposed seismic survey of the Omo Block in Ethiopia. The process included field studies and primary data collection in a remote area of the country. The process also included public and government consultations.

Environmental Baseline Assessment, Sasol, South Africa, 2008 - ongoing

Technical Advisor

Mr Camp is providing senior technical input to a study of the environmental and social conditions to support the evaluation of sites for potential coal and hydrocarbons development. Mr Camp has assisted in the development of the study approach and methodologies and direction of the resource experts who are carrying out the detailed field investigations. He also carried out senior review of specialist reports. The study is expected to last one year and will culminate in a detailed report of the biophysical and socioeconomic environment.


Technical Director

Mr Camp provided technical support to BG Exploration and Production Nigeria Limited for the preparation of EIAs for two offshore exploration drilling programmes in Nigeria. In this role, Mr Camp supervised the audit of local consultant’s field and laboratory programme. He also provided direction and review of the EIA reports.

Strategic Environmental and Social Overview and ESIAs, Uganda, Tullow Oil and Heritage Oil and Gas Limited, 2006 - 2008

Technical Advisor

Mr Camp provided technical input to the strategic overview study of Lake Albert that provided background information on the limnological (physical, chemical and biological) features of the lake as well as environmental and socio-economic resources (nature reserves, tourism nodes, fishing areas). The strategic overview provided a framework within which ESIAs were undertaken for the offshore drilling project. An extensive public participation process was undertaken as part of the ESIAs.

Oil and Gas Mitigation, Management and Monitoring

Oron Pipeline Land Acquisition and Resettlement Planning, Nigeria, Septa Energy, 2012 - ongoing
**Technical Advisor**
Mr Camp advised on the preparation of a resettlement action plan for a proposed new pipeline in Nigeria. The assignment involved extensive stakeholder engagement and asset surveys to determine land rights and use.

**Angola LNG Environmental and Social Review, Angola, Chevron and partners, 2010 - 2011**
*Project Director*
Mr Camp directed the independent review of the status of the implementation of the construction phase environmental and social protection commitments contained in the Angola LNG Project ESHIA and ESHIA Addendum. The assignment involved review of project documentation and record, on-site inspection and evaluation of compliance.

**Environmental Monitoring Programme Strategic Analysis, Marathon Oil Company, Equatorial Guinea, 2005**
*Technical Advisor*
Mr Camp assisted a multinational oil company by developing a detailed implementation plan for environmental monitoring in Equatorial Guinea. This work involved analysis of the EIA requirements and existing data sources to derive a step by step guide to implement the key elements for the construction of a new LNG facility. The project included the evaluation of the performance of the construction contractor provided through monitoring reports.

**Arctic Nearshore Impacts Monitoring in the Development Area (ANIMIDA), US Department of the Interior, 1999 - 2006**
*Project Director*
Mr. Camp was involved in DOI’s MMS Arctic Nearshore Impacts Monitoring in the Development Area (ANIMIDA) programme since 1999 functioning in a variety of roles including managing the project in 2004 and 2005. This programme assessed and monitored development of oil leases in the Beaufort Sea. The management of this programme required oversight and coordination of a diverse team of specialty scientists who participated in the design of the study and the implementation of the field programmes which occurred over a three year period. During the early phases, hydrocarbon and metals chemistries, as well as acoustic measurements were performed in the open-water season adjacent to the Northstar and Liberty developments. A winter measurement programme collected data under ice-covered conditions. Later phases continued the monitoring effort. Mr. Camp developed plans for the field and analytical work, conducted data analysis and interpretation, and contributed to a variety of the project’s report.

**Oil Spill Response Support, Norway, United States of America, Japan, Various Clients, 1995 - 2004**
*Project Director*
Managed the laboratory that provided chemical and technical support in response to numerous oil spills, including the North Cape, Julie N, New Carissa, Exxon Valdez, Kiroshima. This work has also included incidents related to pipeline releases including Olympia Pipeline (Whatcom Creek) and the Bay Area Pipe Line. The work included support on emergency response, NRDA analytical support, fisheries studies and fingerprinting.

**Oil Spill Research and Response Programme Support, Chevron, 1995 - 2003**
*Project Manager*
Mr Camp was Project Manager for an oil spill research programme for a major international oil company. Numerous research projects were carried out under the programme including a detailed chemical characterization of petroleum crude oils and products. A variety of more than 40 types of oils were analysed for key chemical (PAH, BTEX, saturated hydrocarbons) and physical (API gravity, solubility) parameters. The results were then used to develop technical spill response fact sheets.

**Oil and Gas Permitting and Compliance**
**Update Environmental Management Plan for Zafiro Field, Equatorial Guinea, ExxonMobil, 2013**
*Project Director*
Mr Camp directed the update to the environmental management plans for activities associated with exploration and production of the Zafiro Field offshore the Republic of Equatorial Guinea. The Zafiro Field is located in Block B offshore Equatorial Guinea approximately 70 km northwest of Bioko Island, adjacent to the Nigerian border. ExxonMobil’s local affiliate MEGI has been operating production in the field since 1996. The work support further exploration and development activities in the Zafiro Field including a seismic survey and a drilling programme.
Environmental Permitting of Oil and Gas Services Facilities, Angola, Schlumberger, 2010 - 2011  
**Project Director**  
Mr Camp is directing a project assisting Schlumberger obtain environmental permits for oil services facilities at the Sonils and Kwanda Bases in Angola. The assignment has included consultation with the regulating authority to agree on approach for environmental assessments, site visits and audits of current operations, and development of a comprehensive report to support the application.

**Project Director**  
Mr Camp directed a detailed review of the legislative requirements and background and contextual information in support of licensing procedures for Shell’s Shale Gas Development in the Karoo area of South Africa. Shell is the third company out of five to apply for rights to investigate shale gas potential in South Africa. The review involved identification of the relevant legal and regulatory requirement, a desktop-based review and analysis, discussions with regulatory authorities and environmental law specialists, and development of a permitting strategy and timeline. ERM drew on past experience with permitting for similar complex projects.

Environmental and Social Management Systems Development and Implementation for Equator Principles Compliance, Nigeria, Septa Energy (Seven Energy), 2009 - ongoing  
**Project Director**  
Mr Camp is directing a project to assist an international gas developer with development and implementation of a system to ensure compliance with the Equator Principles and IFC Performance Standards. The project is working around all development and operations areas and includes: ESIA upgrade, Biodiversity Action Plan, environmental management plans, emergency risk response, land acquisition policy and plan; waste management plan and audit, due diligence of upstream field assets, and air quality monitoring programme.

Laboratory Audits, Nigeria, Mobil Producing Nigeria Limited, 2003 - 2004  
**Lead Auditor**  
Mr Camp led the audits of two major environmental laboratories located in Warri and Port Harcourt, Nigeria. The audits were carried out by onsite inspection by Henry Camp and a team of specialists to verify the laboratory quality systems against company standards as defined in a specially designed checklist for the work. The operations were also evaluated against international guidelines for laboratories in terms of quality, safety and worker training and development. This work was done in part to ensure the quality of environmental baseline study data generated to support development permitting, but also to assist in the development of in region capacity of laboratory services.

**Programme Manager**  
For the USEPA, Mr Camp was programme manager for a programme providing analytical support for the National Coastal Assessment Programme (Coastal 2000). The programme involves the analysis of nearly 2,000 sediment and marine tissue samples for PAH, pesticides, PCB and metals as part of a national monitoring programme of US coastal waters.

Power  
**Project Director**  
Mr Camp is directing the ESIA for the Kaiha 2 Mini Hydropower Project. The Project will be located in Lofa County in northern Liberia along the Kaiha River. The ESIA involves collection of baseline data and evaluation of impacts and risks. The work is funded by the World Bank.

Environmental and Social Management Planning for Kipeto Windfarm, Kenya, AIIM, 2016  
**Project Director**  
Mr Camp is directing a programme to develop environmental and social management plans to support the implementation of a new windfarm in Kenya. The plans cover a variety of environmental, social, and health and safety management issues.
Environmental and Social Management Planning for Solar PV Plant, Berundi, GigaWattGlobal, 2017 - ongoing  
**Project Director**
Mr Camp is directing a programme to develop environmental and social management plans to support the implementation of a new solar PV plant being built in Berundi. The work includes design and execution of a variety of studies including assessment of surface water, groundwater, waste, and social receptors. Plans are being developed to supplement the ESIA and as part of the development of a system for environmental management through construction and operations.

**Project Director**
Mr Camp directed a screening study of environmental and social impacts and risk associated with a proposed solar PV power plant in Mali. The results of the study were used to support the company’s project proposal to the government.

Environmental and Social Management Planning for 50MW Solar PV Plant, Ghana, Episolar, 2015 - ongoing  
**Project Director**
Mr Camp is directing a programme to develop environmental and social management plans to support the implementation of a new solar PV plant being built near Bole in northern Ghana. The work includes design and execution of a variety of studies including assessment of surface water, groundwater, waste, and social receptors. Plans are being developed to supplement the ESIA and as part of the development of a system for environmental management through construction and operations.

Environmental and Social Impact Assessment of 30MW solar PV plant, Mozambique, Scatec Solar, Norfund and Electricidade de Moçambique (EDM), 2015 - 2017  
**Technical Director**
Mr Camp directed the ESIA of a proposed 30 MW solar PV renewable energy facility in the Mocuba Special Economic Development Zone close to the village of Mocuba in the Zambezia Province of Mozambique. The ESIA was conducted according to Mozambican legal requirements for the proposed project. Specialist studies include soils and land-use, hydrology, ecology socio-economic and archaeology and cultural heritage. The work involves oversight of a local partner to undertake stakeholder engagement and prepare a resettlement and compensation framework, as well as a land use plan.

**Project Director**
Mr Camp led the ESIA of a proposed 147 MW Open Cycle Gas Turbine gas-fired power plant that would be built near the town of Abeokuta, Ogun State. Electricity generated at the plant will be transmitted to the national grid to strengthen the local grid and increase power supply to the region. The ESIA followed the requirements of national regulations as well as international lenders.

Preliminary Environmental and Social Assessment of a Proposed PV Solar Power Plant, Togo, Biotherm, 2014  
**Project Director**
Mr Camp directed a screening study of environmental and social impacts and risk associated with a proposed solar PV power plant in Togo. The results of the study were used to support the company’s project proposal to the government.

**Project Director**
Mr Camp is leading the ESIA for a proposed new gas fired power plant near Benin City, Nigeria. The plant would be the first new fully independent power project under the restructured power sector. The ESIA was carried out to Nigeria and World Bank standards. The project involved two seasons of environmental and social studies, noise and air modelling, stakeholder engagement, and technical panel review by the environmental ministry. The ESIA was disclosed by both the government and the World Bank.

**Project Director**
Mr Camp is leading a socioeconomic impact study and upgrade of the EIA report of a proposed new power
station near Lagos, Nigeria. The study involves extensive community surveys and consultation as well as an environmental baseline survey. The work is being done in accordance with the standards set by World Bank and will be used to develop project-specific mitigation plans.

**Environmental, Social and Health Impact Assessment of Mmamabula Energy Project, Botswana, CIC Energy, 2007 - 2010**

*Project Director*

Mr. Camp was Project Director for the environmental, social and health impact assessments of a proposed integrated energy project in Botswana. The project comprises a coal mine, a coal-fired power station, a new water supply well field, railroad line, access roads, services corridors, new town, and air strip. The ESHIA is being carried out to international standards. The project includes public consultation, baseline data gathering and impact analysis. Because of land take issues, a Resettlement Action Plan is being developed as well.

**Environmental and Social Screening for Feasibility Analysis, Bengaz, Benin, 2006**

*Project Director*

Mr. Camp directed the environmental and social studies conducted as part of feasibility study for a new independent power plant in Benin. The studies evaluated environmental and social issues associated with the site selection and design alternatives in order to minimize the project’s impact. The work was carried out through a series of site visits and interaction with Bengaz, the project proponent, and their design engineers.

**Environmental Permitting Strategic Assessment, Canada, Ontario Power Generation, 2004**

*Project Manager*

For a Canadian-based hydropower company, Mr. Camp evaluated the environmental permits and approvals required for a proposed new tunnel near Niagara Falls in an effort to streamlining the environmental permit approvals. That work included a study of existing documents related to the assessment, mitigation and monitoring of the construction and operation. Henry Camp also led the development of a novel competitive procurement approach and the review of the procurement documents for the design build contract. The result of this work was used to guide the development of a project implementation plan and to identify risks associated with the planned schedule. Recommendations for assuring value in a procurement scenario were provided as well as communications strategies for this important renewable energy development project in a public forum.

**Infrastructure, Manufacturing, Mining**

**Environmental and Social Impact Assessment of a New Cement Plant and Quarry, Nigeria, Honeywell Group Nigeria, 2016 to present**

*Project Director*

Mr Camp is leading an assignment to provide technical and advisory support to a developer of a new cement project in Western Nigeria. The assignment includes review of technical documents and guidance of locally based consultants.

**Environmental and Social Studies and Management for Tema Port Expansion, APM Terminals and partners, Ghana, Tema, 2015 - ongoing**

*Project Director*

Mr Camp is providing technical support to the Tema Port expansion project on matters related to environmental and social management and financing. The work has involved a number of specialist studies to further evaluate potential impacts on marine turtles, fishing, cultural resources, and traffic and to develop management plans. Mr Camp is also engaging with potential lenders to resolve questions and ensure adherence environmental and social performance standards.

**Environmental and Social Impact for an Oil Services Terminal in the Western Region, Ghana, Lonrho, 2011 - 2014**

*Project Director*

Mr Camp directed the ESIA for a proposed Oil Services Terminal (OST) to provide support services for offshore oil and gas development in Ghana (including the Jubilee Field) as well as for other countries in the region. The OST will include various services for the oil and gas industry including rig repair, spool yard, waste management and offshore supply facilities. The OST would be located near the town of Atuabo, west of Takoradi. The ESIA involved environmental and social field studies, extensive stakeholder engagement, and assessment of impacts which are expected to include...
fishing and livelihoods, land take, and biodiversity (including sea turtles).

**Environmental and Social Impact Assessment of a New Cement Plant and Quarry, Nigeria, Southport Cement**

*Project Director*

Mr Camp is the Project Director for the environmental, social and health impact assessments of a proposed integrated cement project near Abeokuta, Nigeria. The project comprises a new limestone quarry, a cement processing plant, and a dedicated power plant. The ESHIA is being carried out to international standards. The project includes public consultation, baseline data gathering and impact analysis.

**Environmental and Social Impact Assessment for Food Manufacturing Facility Expansion, Boulos Foods and Beverages Limited, Nigeria, 2014**

*Technical Advisor*

Mr Camp provided technical advice and input to the ESIA of a proposed expansion of a food manufacturing facility in Lagos State, Nigeria. The ESIA followed the requirements of national regulations and international lending institutions. The ESIA was used to rectify permitting deficiencies.

**Environmental and Social Impact Assessment for the Badagry Port and Free Zone Development Project, Nigeria, ESIA, 2012 - 2014**

*Technical Advisor*

Mr Camp provided technical advice and input to the ESIA of a proposed new art multi-purpose port and associated infrastructure at a Greenfield site near Badagry in Lagos State, Nigeria. This development will include new port terminals for containerised and non-containerised cargoes, an offshore supply base, industrial and logistics zone, a dredged access channel turning circle and basin, breakwaters, shoreline protection, and supporting transport infrastructure. The ESIA followed the requirements of national regulations.

**CimBurka Stakeholder Engagement and Resettlement Planning Review, Burkina Faso, Heidelberg Cement, 2011**

*Project Director*

Mr Camp led the review of a proposed new cement facility in Burkina Faso specifically with regards to requirements for: land acquisition and involuntary resettlement community engagement. The review was used by the company to develop a corrective action plan for conformance with the IFC’s Performance Standards.

**Alaska Railroad Northern Railroad Extension Environmental Impact Statement, Surface Transportation Board, 2005 - 2006**

*Technical Advisor*

Mr. Camp directed portions of the data acquisition programme for the Environmental Impact Statement (EIS) related to a proposed new rail line extension in northern Alaska. The EIS analysed cold-climate specific potentially affected resources. Mr. Camp worked at the programme level, coordinating teams developing data acquisition strategies and GIS approaches for supporting the analyses by resource experts.

**EIA for Concrete Plant, Tema, Ghana, EIA, 2005**

*Project Manager*

Mr. Camp led the EIA project for a concrete plant that was built within an industrial zone in Tema, Ghana. The EIA addressed the issues related to potential impacts from dust emissions and water usage and management. The EIA was written in compliance with Ghana EPA requirements.


*Technical Advisor*

Senior member of the team that prepared the Environmental Impact Statement (EIS) and analysed the potential impacts of the Yucca Mountain Repository Rail Line, a proposed new rail line that would transport spent nuclear fuel to the new repository at Yucca Mountain. The EIS assessed the wide variety of potentially affected resources in the unique desert environment and socioeconomic setting. Mr. Camp worked at the programme level, coordinating with DOE and the major subcontractors to define the engineering aspects of the proposed action through the conceptual design phase and managing the work of the technical resource leads to describe the affected environment, quantify the impacts, and develop mitigation approaches. Mr. Camp also developed the concepts for a map book to support the public comment and disclosure process. The map book was ultimately produced as a high quality set of maps identifying...
potential impacts to the environmental and social resources in the study area.

**Telecommunications**

**Permitting and Environmental Support for the WACS Submarine Cable Project, West Coast Africa, Alcatel, 2009 - ongoing**

*Project Director*
Mr Camp is directing the permitting and environmental support to Alcatel for the WACS, a planned submarine cable system that would run from Portugal to Republic of South Africa with landings in 12 countries along the coast including South Africa, Namibia, DR Congo, Republic of Congo, Cameroon, Nigeria, Togo, Ghana, and Cote d’Ivoire. The assignment includes responsibility for all permitting including ESIA as required by the country regulations. The project is being executed using country teams to address the legal, permitting, environmental, and social issues in each of the landing countries. The project is expected to last 18 months.

**Environmental and Social Impact Assessment of a Subsea Telecommunications Cable, Ghana and Nigeria, Main Street Technologies, 2008 - ongoing**

*Project Director*
Mr Camp directed the ESIA for the Main One Subsea Cable project, a planned new subsea telecommunications cable along the Atlantic coast of Africa. As part of Phase 1 of the development the cable will run from Portugal, to cable landing sites in Ghana and Nigeria. Comprehensive EIAs were carried out for the Phase 1 the Project (preparing reports for submission to the Authorities in Ghana and Nigeria). In addition to complying with national requirements, the process considered international best practices and the guidance provided by international lenders specifically that of the African Development Bank (AfDB) and the International Finance Corporation (IFC) Performance Standards.

**Training**

**Business Sector Training, South Africa, AIIM, 2016**
*Lead Trainer*
Mr Camp provided training to AIIM staff on the risks associated with investment in various business sectors including power and infrastructure. Mr Camp led the development and delivery of a session on the environmental requirements as well as the application of standards and guidelines to thermal power generation development.

**Environmental, Social, and Governance Training, Kenya, Norfund and Swedfund, 2014 - 2015**
*Lead Trainer*
Mr Camp provided training to banking sector representatives on the environmental and social requirements of the Equator Principals and governance requirements of various international laws. The training was presented in a workshop format using case studies and interactive sessions built on project-level experience working on international lender financed projects.

**IFC Performance Standards Training, Banking Sector Workshop, Egypt and Nigeria, IFC, 2009**
*Lead Trainer*
Mr Camp is providing training to banking sector representatives under a responsible banking initiative of the IFC and co-sponsored by international banking institution. The training covers social and environmental requirements and is built on project-level experience working on IFC financed projects.

**Implementation of the Equator Principles into the Project Finance Process and Training of Staff, South Africa, Standard Bank, 2008**
*Lead Trainer*
Mr Camp directed a project to assist Standard Bank with the implementation of the Equator Principles into the project finance process. The team was responsible for rolling out the system and training staff in using the system, as well as the application of the Equator Principles and IFC Performance Standards.

**IFC Performance Standards Training, Sasol Technology, South Africa, 2007**
*Lead Trainer*
Mr Camp provided training to Sasol HSE staff on the requirements of the IFC Performance Standards and HSE Guidelines. Mr Camp was responsible for presenting the environmental requirements as well as the application of standards and guidelines to oil and gas development.
Victoria Stevens
[Senior Consultant]

Vicky Stevens is a Senior Environmental Consultant in ERM’s Impact with over 10 years of experience in the field of environmental consultancy. Vicky specialises in Environmental Impact Assessments (EIAs) and Environmental Management Plans (EMPs) for developments occurring in the marine and coastal zone. She has both project managed, and reviewed a number of international oil, gas, marine and port Development EIAs and associated EMPs.

Recent key experience in Africa, includes project co-ordination, marine lead and compilation of the EPDA and EIR for an Oil and Gas development in Mozambique for the export of stabilised light oil from an onshore pipeline to a Floating Storage and Offloading Unit, which included 16 specialist studies. She has also recently project managed and compiled two Environmental Impact Statements for block-wide offshore Oil & Gas developments in Tanzania.

Experience: 12 years’ experience in EIAs & EMPs for developments occurring in the marine and coastal zone
LinkedIn: https://www.linkedin.com/in/victoria-stevens-0656121b/
Email: vicky.stevens@erm.com

Professional Affiliations & Registrations
- Member of the IAIA SA association

Fields of Competence
- Project Management and Compilation of EIAs and EMPs for offshore Oil & Gas exploration, development, production and decommissioning projects
- Conducting EIAs and EMPs for offshore 2D and 3D seismic surveys
- Providing engineers with advice and guidance to ensure environmental compliance
- Environmental permitting reviews according to World Bank and IFC requirements
- Scoping studies, including multi-criteria analysis of alternatives
- Coastal Waters Discharge Permits
- Marine specialist and oceanographic studies
- Environmental monitoring of dredging operations
- Liaising with authorities, stakeholders, interested & affected parties and clients

Education
- MSc (Physical Oceanography), University of Cape Town (UCT), South Africa, 2005
- BSc (Hons) (Environmental and Geographical Science), UCT, 2002
- BSc (Zoology and Environmental & Geographical Science), UCT, 2001

Languages
- English, native speaker

Key Industry Sectors
- Offshore Oil & Gas exploration, development, production and decommissioning activities
- Marine Ports and developments
- Dredging Operations
- IFC Permitting reviews

Publications

The business of sustainability
Key Projects

■ Environmental Impact Assessment for Offshore Exploration Drilling, Kenya, ENI, 2018 – ongoing
  Marine Lead
  Contributing to the drafting of a pre-ESIA and ESIA report for an exploration drilling project, offshore Kenya.

■ Environmental Impact Assessment for IOX Subsea Cable System to be Landed in East London, South Africa, IOX, 2018 – ongoing
  Marine Lead and Project Manager
  Responsible for project management and the drafting of a scoping report and the management of specialists for a subsea cable system, offshore South Africa.

■ Update of the EIA Report for the proposed 3D Seismic Survey for Petroleum Exploration Licence 39 Exploration Programme., Shell, 2018
  Marine Lead
  Responsible for the drafting of the update of the Environmental Impact Assessment for a 3D seismic survey in the western portion of the PEL 39 Licence Area

  Project Manager and marine lead
  Responsible for the Project Management and drafting of an Environmental Impact Assessment for a shallow marine seismic survey project offshore Congo.

■ Environmental Impact Assessment for Offshore Exploration Drilling, South Africa, ENI, 2017 – ongoing
  Marine Lead and Project Manager
  Contributing to the drafting of a scoping and EIA report and the management of specialists for an exploration drilling project, offshore South Africa.

  Marine Lead
  Contributing to the drafting of an Environmental Impact Assessment for a seismic survey project in offshore Bioko Equatorial Guinea waters.

■ Environmental Impact Assessment for Offshore Seismic Survey Block 11, Equatorial Guinea, ExxonMobil, 2017 – ongoing
  Project Manager
  Responsible for the drafting of an Environmental Impact Assessment for a seismic survey project offshore Bioko Island, Equatorial Guinea.
  The EIA compilation included an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan.

■ Update of Environmental Impact Assessment for Block I to Include Offshore Drilling, Equatorial Guinea, Noble Energy, 2017 – ongoing
  Project Manager and Marine Lead
  Responsible for the drafting of an Environmental Impact Assessment for additional offshore drilling activities in Block I, Equatorial Guinea. The EIA compilation included an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan.

■ Environmental and Social Due Diligence for an Offshore Platform, Norway, Confidential Investment Client, 2016
  Marine Environment Lead
  Project managed and undertook the desk-based component and write-up of an ESDD to international standards of an offshore platform for a client looking to invest in the project.

■ Review of the Environmental and Social Impact Assessment of Bua Refinery and Petrochemical Project Ibeno, Nigeria, Confidential Client, 2017
  Reviewer
  Reviewed the Environmental and Social Impact Assessment (ESIA), on the behalf of the client, with the primary purpose to see that national requirements and lender requirements are both adequately considered.

■ Environmental Impact Assessment for Offshore Seismic Survey Block B, Equatorial Guinea, ExxonMobil, 2017 Marine Lead
  Contributing to the assessment of seismic noise on marine mammals and turtles for an Environmental Impact Assessment offshore Bioko Island, Equatorial Guinea.
Summary Paper, IPIECA, 2017
Project Manager
Compilation of a summary document that outlines the areas of existing good practice and management measures that are currently implemented by the oil and gas industry in the marine environment to reduce potential impacts on Biodiversity & Ecosystem Services (BES) from specific aspects and dependencies.

Dredging Specialist, Mozambique, Client Confidential, 2017
Marine Environmental Advisor
Compiling an Environmental Management Plan for the dredging operations inside Palma Bay, Mozambique.

Environmental Impact Assessment for Offshore Exploration Drilling, Equatorial Guinea, ExxonMobil, 2016 – 2017
Marine Lead
Contributing to the drafting of an EIA for an offshore exploration drilling project offshore Bioko Island, Equatorial Guinea. The EIA compilation included an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan.

Environmental and Social Impact Assessment onshore and offshore Mozambique, Sasol, 2015 - 2017
Project Co-ordinator and Marine Lead
Project co-ordinator and Marine Lead of Scoping Study, Specialist studies, and the EIA for the proposed offshore Oil & Gas Development

Environmental Advisor, Cape Town, South Africa, Client Confidential, 2017
Marine Environmental Advisor
Providing advice and assistance to the client in terms of their marine environmental permitting (Coastal Waters Discharge Permits).

Environmental and Social Impact Assessment, offshore Tanzania, BG, 2015 - 2016
Marine Lead
Marine Lead for the Environmental Impact Statement for two proposed Block-Wide Offshore Drilling projects.

Marine Environmental Specialist, Multiple Gas to Power Projects, Confidential Client, 2015
Marine Specialist
Coastal effluent and associated marine impacts advisor for multiple gas to power projects.

Environmental Management Programme for 3D Seismic Data Acquisition on the East Coast of South Africa, Schlumberger, 2015
Environmental Consultant
Composition and authorization of 3D Marine Seismic Environmental Management Programme.

Environmental Impact Study for 2D Seismic Data Acquisition in the Benguela and Namibe Basins, offshore Angola, GXT Technology, 2015
Project Manager
Project management and composition of 2D Marine Seismic Survey Environmental Impact Study.

Environmental and Social Impact Assessment Scoping Study, offshore Ghana, Confidential Client, 2015
Project Manager
Project management and composition of Scoping Study for the proposed offshore Oil & Gas development.

Multi-products Pipeline Screening study and EIA, Ethiopia & Djibouti, BlackRhino, 2015 – ongoing
Marine Lead and Advisor
Marine advisor for the screening study for the Environmental and Social Impact Assessment (ESIA) in Ethiopia and Djibouti for the BlackRhino MOGS (BRM) multi-products fuel pipeline from Djibouti to Awash in Ethiopia.

Rapid Cumulative Assessment, Tema Port Upgrade and Expansion, Ghana, APMT, 2015
Report Writer
Composition of a Rapid Cumulative Assessment for the upgrade and expansion of Tema Port in Ghana.

EPA Compliance Review EIA and EMP Review for Tema Port Upgrade and Expansion, Ghana, APMT, 2015
Environmental Advisor
Reviewed the EIA and Environmental Authorisation for the expansion and upgrade of the Tema Port in Ghana. Provided the client with advice regarding the implementation of the mitigation measures stipulated in the relevant reports and IFC compliance.
Key Projects before joining ERM

- Coastal Waters Discharge Permit, Port Elizabeth, South Africa, Shell, 2015
  Project Manager
  Assisted Shell with their Coastal Water Discharge Permit application for the Dom Pedro Jetty.

- Andy’s truck Stop Basic Assessment, Port Elizabeth, South Africa, Shell, 2015
  Environmental Consultant
  Composition and authorization of a Basic Assessment for Andy’s Truck Stop.

- Environmental feasibility and screening study for barging of construction materials, Kenya, Tullow Oil, 2015
  Senior Consultant
  Assisted with an environmental feasibility and screening study for the location of a port on Lake Turkana.

- EIR and EMP review for Tanker Farm & Berth and fuel transfer pipeline, South Africa, Oil & Gas client, 2015
  Environmental Advisor
  Reviewed the EIRs and EMPs that were conducted in 2013 for the development of a tanker farm, tanker berth and associated new fuel transfer pipeline in Walvis Bay. Provided engineers with advice regarding design and implementation of the mitigation measures stipulated in the relevant reports.

- Environmental advisor for a power plant, Ghana, Oil & Gas client, 2014 - 2015
  Environmental Advisor
  Provided engineers with advice regarding design and implementation of the mitigation measures stipulated in the relevant reports.

- Metolong Dam Water Supply Programme, Lesotho UNIKA, 2014
  Environmental Control Officer
  Environmental Control Officer services for Metolong Dam Water Supply Programme in Lesotho.

- Lender’s technical adviser for Kuvaninga gas engine power plant, Mozambique, power client, 2014 - 2015
  Environmental Auditor
  IFC Environmental permitting review of the construction of a power plant in Mozambique.

- Botanical Constraints Study for Proposed Liquefied Natural Gas (LNG) Onshore Terminal, Saldanha, South Africa, PetroSA, 2014
  Project Manager
  Management of Botanical Constraints Study for Proposed LNG Onshore Terminal, Saldanha, Western Cape.

- Environmental Advisor, WorleyParsons Engineers, 2014 - 2015
  Environmental Advisor
  Assisting WorleyParsons Engineers with environmental authorisations for multiple projects.

  Project Management and Senior Marine Environmental Consultant
  Project management and compilation of an EIA of the proposed hydraulic fracturing of wells, in the F-O Gas Field, offshore South Africa. Management of all the specialist studies associated with the EIA.

  Marine Environmental Advisor
  Providing advice and assistance to the client in terms of their marine environmental permitting (Coastal Waters Discharge Permits and EMPs). Compiling an Environmental Management Plan for the dredging operations inside the intake basin at Koeberg. Compiling terms of reference for specialist assessments associated with the Coastal Waters Discharge Permits.

- Environmental Statements, Oil & Gas clients, UK, 2012
  Marine Environmental Consultant
Environmental Statements, Oil & Gas clients, UK, 2012
Project Manager and Marine Environmental Consultant
Project management and compilation of multiple decommissioning environmental statements in the North Sea. Reviewing Oil Pollution Emergency Plans (OPEP).

Environmental Baseline Report, Oil & Gas client, Qatar, 2012
Project Manager and Marine Environmental Consultant
Project management and writing and editing and of an Environmental baseline for an offshore oil development in the Arabian Gulf, Qatar.

Environmental Statements, Oil & Gas client, UK, DONG, 2012
Marine Environmental Consultant
Editing and assisting in the management and compilation of an Environmental statement for the Glenrothes and Cragganmore condensate developments in the west of Shetland.

PON15B, Oil & Gas clients, UK, 2011
Marine Environmental Consultant
Writing environmental descriptions and chemical justifications for multiple PON15Bs.

Environmental Statement for the Sweep (Carrack), UK Shell, 2011
Marine Environmental Consultant
Writing, editing and managing the compilation of an Environmental Statement for the Sweep (Carrack).

Environmental Statement, Endeavour, 2011
Marine Environmental Consultant
Writing, editing and assisting in the compilation and management of an Environmental Statement for the West Rochelle offshore condensate development.

Scoping Report, Oil & Gas client, UK, 2011
Marine Environmental Consultant
Editing and assisting in the compilation of a scoping report for decommissioning an offshore Oil & Gas structure.

Environmental Statements, ConcoPhillips, UK, 2011
Marine Environmental Consultant
Writing, editing and assisting in the compilation of two Environmental Statements for the Katy and Enochdhu offshore Oil & Gas developments.

Environmental Statement, Oil & Gas client, UK, 2011
Marine Environmental Consultant
Writing, editing and assisting in the compilation of an Environmental Statement for the decommissioning of a gas field. Preparing materials and participating in a comparative assessment workshop.

Environmental Statements, Nexen Petroleum UK Limited, UK, 2010
Writing, editing and assisting in the compilation of 2 Environmental Statements for the Blackbird and Golden Eagle Developments.

Environmental Statement, BG Norge, UK, 2010
Writing the accidental release of hydrocarbons and mitigation measures sections of an Environmental Statement for the Knarr gas development. Formatting and reviewing document.

Environmental monitoring of dredging and dredge spoil disposal in Cape Town harbour. (Transnet, South African Dredging Surveys, Rohde Nielsen), SA, Transnet, 2007 - 2010
Marine Environmental Consultant
Implementing and maintaining real time monitoring of the environmental impact of dredging in Cape Town harbour. Implementing and maintaining monitoring of the dumping of the dredge spoil from the Cape Town harbour at the dump site. Analysis and processing of all the data collected. Reporting to the client on the environmental impact of the dredging in Cape Harbour and at the dumpsite. Real time plume tracking of the dredge spoil at the dumpsite.

Cooling Water Discharge Assessment, Koeberg Nuclear Power Station, Eskom, SA, 2009
Marine Specialist
A desktop review of the environmental impact of the discharge of cooling water from a nuclear power plant off the west coast of South Africa was conducted.

EIA for offshore oil & gas exploration drilling in Block 16, Angola, Maersk, 2009
Marine Environmental Consultant
Assisted in compiling an EIA of offshore drilling for Oil & Gas in Angola.
Seismic survey by Sonangol in Block 3/05a, Angola, Sonangol, 2008
Marine Environmental Consultant
Assisted in the compiling of the environmental impact of Seismic surveying in Angola.

A Physical Oceanography Environmental Profile for Beira, Mozambique, ERM, 2007
Marine Specialist
Preparation of an environmental baseline description for a proposed transportation of coal in Beira, Mozambique.
Nadia Mol, Professional Natural Scientist
Principal Environmental Consultant

Nadia Mol is a Principal Consultant and Registered Professional Natural Scientist with 19 years of experience in the field of environmental authorisation applications (predominantly in the South African context), with studies in other African countries being focused towards meeting international lender requirements. This experience has been multi-faceted and has included taking on the roles of project manager, technical manager and reviewer, socio-economic specialist as well as stakeholder engagement manager and facilitator. She has been involved in all phases of environmental authorisation applications from screening through to compliance auditing. Her recent experience, as necessitated by the legislative context of South Africa has been to undertake multiple authorisation and permit applications through a single authorisation process.

Experience: 19 years’ experience in environmental consulting

Email: Nadia.Mol@erm.com
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Education
■ BSC (Hons). Environmental and Geographical Science, University of Cape Town, South Africa, 1994

Professional Affiliations and Registrations
■ Registration in terms of the South African Council for Natural Scientific Professions as a Professional Natural Scientist Reg no 400159/09
■ Member of the International Association for Impact Assessment, South African Branch

Languages
■ English, native speaker

Fields of Competence
■ Environmental and Social Impact Assessments
■ Basic Assessments
■ Stakeholder engagement
■ Resettlement planning
■ Screening studies
■ EA and EMPr Amendments
■ Compliance auditing
■ Closure planning (involvement in)
■ Due diligence (involvement in)

Key Industry Sectors
■ Mining
■ Industry
■ Power

Honors and Awards
■ ERM Excellent Service Award: Debswana Gender Diversity Policy Gap Analysis (2016)
Key Projects

Confidential Screening and Site Selection Study in the Afungi Peninsula, Mozambique
Technical Project Manager
Nadia has played the technical lead for a site selection study and Community Liaison role for a new Gas to Liquids Plant for a Confidential Client in the Afungi Peninsula. She led a team of specialist in a complex site selection process culminating in a Screening and Options Assessment Report. In addition she supervised a team of Community Liaison Officers in a Land Access and Compensation Process for the temporary use of land for geotechnical surveys.

Environmental and Social Impact Assessment for the proposed Kalungwishi Hydropower Project in Luapula and Northern Provinces, Zambia
Stakeholder Engagement Lead
Nadia has led a stakeholder engagement team through the first phase of engagement for a proposed hydropower scheme and associated transmission lines in northern Zambia. The project is located between 2 provinces and 5 districts in a remote part of Zambia so a complex and carefully planned engagement strategy was required.

Environmental and Social Impact Assessment for the Department of Energy Short Term and Medium Term Power projects in Saldanha and Richards Bay
Project Manager
Nadia has been involved in the Environmental and Social Impact Assessments that ERM is undertaking for the provision of infrastructure to support short (Floating Power Plants) and medium term (LNG Import Facility) power projects in Richards and Saldanha Bay. Nadia is the project manager for the Saldanha Bay component and supervises an internal team as well as subconsultant team and is responsible for all client liaison. Recently she has completed compiling the project description and project alternatives chapters for the Richards Bay site Scoping Report.

Screening Study for a Confidential Client for the Gas to Power Project in Saldanha and Richard Bay
Project Manager
Nadia has undertaken a Screening Study for a confidential client looking at bidding for the Gas to Power Programme. Selected specialist involvement was sought and consultation held with the regulatory authorities in order to define the scope of work for the Environmental Impact Assessment. The project was for infrastructure from the Gas Distribution Facility to the Transmission line

Environmental Impact Assessment for Arcelor Mittal’s Proposed Gas Fired Power Plant in Saldanha Bay
Assistant for EIA Report Compilation and Stakeholder Engagement Feedback
Nadia has been involved in the compilation of the EIA Report for the Arcelor Mittal Project as well as stakeholder feedback on this project. The project has entailed all infrastructure required in Saldanha Bay for the Gas Distribution Facility, Power Plant and Transmission Line.

Environmental and Social Impact Assessment for the Proposed Batoka Gorge Hydro-electric Power Scheme, current
Stakeholder Engagement and Social Impact Assessment Lead
Nadia is currently involved in the Environmental and Social Impact Assessment that ERM and its local partners is undertaking for the Zimbabwe River Authority. The project is for the proposed development of a hydroelectric dam and associated infrastructure on the Zambezi River, thus impacting on the countries of Zambia and Zimbabwe. Nadia is the Lead for Stakeholder Engagement, Resettlement Planning and the Social Impact Assessment. This project is currently on hold, but the Environmental and Social Impact Assessment has been completed.
Pre-construction and financial close for 6 solar PV sites across South Africa

**Project Manager**

Nadia is currently involved in assisting African Clean Energy Developments with their financial close preparation for 6 solar PV farms around South Africa. Nadia is supervising and project managing resources that have been seconded to the client’s offices.

**Numerous amendment, EMPr development and EMPr amendments for Mainstream Renewable Power, current**

**Technical Reviewer**

Nadia is involved in the technical review of several applications for Mainstream that are being undertaken post-environmental authorisation in order to meet financial close.

**Social Impact Measurement of Mondi’s Isibindi Programme, 2016**

**Social Field Team Lead**

Nadia led the social field team in measuring the effectiveness of Mondi’s current investment in an orphans and vulnerable children programme in Richards Bay and Piet Retief.

**Environmental Authorisations for the Limpopo West Mine, Limpopo Province, South Africa, Sasol Mining, 2012 to 2014.**

**Project Manager and Technical Reviewer**

Nadia was involved in the management of the Limpopo West Project in the Lephalale area of the Limpopo Province of South Africa for 2 years. This role has entailed the management of a multi-disciplined team and specialists, reporting, technical review, stakeholder engagement process review and extensive client and team liaison. The project is one of a multi-authorisation/permit application nature, requiring authorisation in terms of 4 pieces of South African legislation through a single authorisation process.

**Resettlement Action Plan for the Zulti South Project, Kwa Zulu Natal, South Africa, Richards Bay Mining, 2010 to 2013.**

**Project Manager**

Nadia was the Project Manager for the development of a Resettlement Action Plan to address the physical and economic displacement of households associated with the development of the Zulti South Mine to the south of Richards Bay and its associated linear infrastructure. This role has entailed the management of a core team, extensive engagement with affected communities and households, review of all project work, and extensive client and team liaison. The project has addressed the complexities of resettlement in an African, customary context in accordance with international best practise and compliance with the International Finance Corporation.

**Environmental and Social Impact Assessment for the proposed Kusipongo Project, Mpumulanga, South Africa, Kangra Coal, 2013 to present**

**Stakeholder Engagement Manager**

Nadia was the Stakeholder Engagement Manager for the Environmental and Social Impact Assessment undertaken for the proposed Kusipongo underground coal mining project in the Piet Retief area. This role entailed the development of stakeholder engagement materials, development of a stakeholder engagement plan, facilitation of meetings, reporting, client and team liaison.

**Environmental Authorisations for the Zulti South Mining Lease Area, Kwa-Zulu Natal, Richards Bay Mining, 2011 to 2014.**

RAP Reviewer
Nadia was the Reviewer for a Resettlement Action Plan undertaken in Zambia for a proposed new coal mine. The Resettlement Action Plan had been undertaken by a local consultant and was audited against the requirements of the International Finance Corporation.


Project Manager
Nadia has been involved in the management of the proposed Kalumines Mining ESIA which was undertaken to meet international lender requirements. This role has entailed the management of a multi-disciplined team and specialists, reporting, technical review, stakeholder engagement process review and extensive client and team liaison.


Social and Stakeholder Engagement Reviewer
Nadia was the social and stakeholder engagement reviewer of Rio Tinto’s QMM Closure Plan and Planning Process. This role entailed a site visit, development of a stakeholder engagement plan, review of all existing work and proposed closure plans and reporting.

Advisory input into the potential development of the Zara Gold mine in Eritrea for the Eritrean Government

Social Lead, 2011
Nadia was the social lead in a team which reviewed an ESIA and advised the Eritrean Government on risks associated with developing the 2nd Eritrean gold mine. This input involved desk top review, site visit, discussions with key stakeholders and reporting on the results of the investigation.

Environmental Authorisations for Samancor Co-Generation Projects, Mpumulanga and Limpopo Provinces, South Africa.

Project Manager and Technical Reviewer
Nadia has been involved in the management of three environmental impact assessments for proposed expansions to 3 of Samancor’s plants as part of a co-generation project. This role has entailed the management of a multi-disciplined team and specialists, reporting, technical review, stakeholder engagement process review and extensive client and team liaison.

Due diligence for Loulo Gold Mine for Randgold Resources, Mali, 2009

Social lead
Nadia was the social lead in a team of experts undertaking a due diligence for two of Randgold Resources mines in Mali. The due diligence was prepared to meet international good practise and the requirements of the IFC.
Reinett Mogotshi joined ERM in 2017 as an environmental consultant based in Cape Town. She has over three years’ experience in environmental consulting performing Environmental Impact Assessments for in agriculture, infrastructure, oil & gas and renewable energy sector. She has developed core competencies in environmental assessment, GIS mapping and stakeholder engagement.

Prior to joining ERM Reinett worked on Phase II of the Strategic Environmental Assessment for Wind and Solar PV in renewable energy developments in South Africa as a project assistant and has mapped the distribution of bats species in South Africa for inclusion in this study. This is a multidisciplinary assessment commissioned to identify areas where renewable energy developments should be prioritized in South Africa.

**Experience:** 3 years’ experience in agriculture, oil & gas, telecommunication, infrastructure and renewable energy sector
**LinkedIn:** https://www.linkedin.com/in/reinett-mogotshi-a1371271/
**Email:** Reinett.mogotshi@erm.com

**Professional Affiliations & Registrations**
- Registration in terms of the South African Council for Natural Scientific Professions as a Candidate Natural Scientist Reg no 117924
- Member of the International Association for Impact Assessment, South African Branch

**Languages**
- Sepedi, native speaker
- English
- Setswana

**Key Industry Sectors**
- Agriculture
- Infrastructure
- Oil and Gas
- Renewable Energy
- Telecommunication

**Fields of Competence**
- Environmental Impact Assessments
- Strategic Environmental Assessment
- GIS
- Screening Studies
- Stakeholder Engagement

**Education**
- Post Graduate Diploma in Environmental Management, Stellenbosch University, South Africa, in progress
- BSc (Hons) Environmental Analysis and Management, University of Pretoria, South Africa, 2014

**BSc Environmental Sciences, University of Pretoria, South Africa, 2013**
Key Projects

- **Update of Environmental Impact Assessment for Offshore Seismic, Namibia, Confidential Client, 2018 – ongoing**
  - *Support Consultant*
  - Project is confidential

- **Environmental Impact Assessment for submarine telecommunications cable, South Africa, Confidential Client, 2018- Ongoing**
  - *Support Consultant*
  - Project is confidential

- **EIA for Exploration Drilling, South Africa, Confidential Client, 2018**
  - *Project Assistant*
  - ERM was contracted to undertake the ESIA for Exploration of oil. Reinett supported the project by managing the stakeholder database and recording comments received from interested and affected parties.

- **An update of the Motlhotlo Resettlement Action Plan, Limpopo, South Africa, Confidential Client, 2018**
  - *Project Assistant*
  - ERM was contracted to compile the Motlhotlo Resettlement Action Plan for a mine in Limpopo. Reinett supported the project by providing assistance with reviewing policies, data capturing, mapping area of influence.

- **Part 1 Amendment Application for Three Olyven Kolk Photovoltaic Power Plants within Siyanda District Municipality, Northern Cape, South Africa, Confidential Client, 2018**
  - *Project Assistant*
  - ERM was contracted to submit Part 1 Amendment Applications for the Olyven Kolk Projects for the extension of the validity of the Environmental Authorisations. Reinett was involved in the completion of the applications for amendment, engagement with the competent authority and writing the motivation that there has been no change in the receiving environment for the project.

- **Draft Retrospective Amendment Report Version 2 for the Letsatsi (Previously Southdrift) Solar Power Facility, Near Soetdoring Dam, Free State Province, South Africa, Confidential Client, 2018**
  - *Project Assistant*
  - ERM was contracted to compile the Amendment Report for Letsatsi and Lesedi Solar PV projects in South Africa. Reinett was involved in the management of the Kap Vley Wind Energy facility project. Her role entailed the management of a specialists, reporting and stakeholder engagement process.

Key before joining ERM

- **Scoping and Environmental Impact Assessment for the proposed development of 300 MW Kap Vley Wind Energy Facility and supporting electrical infrastructure near Kleinzee, South Africa, Confidential Client, 2017**
  - *Project Manager*
  - Reinett was involved in the management of the Kap Vley Wind Energy facility project. Her role entailed the management of a specialists, reporting and stakeholder engagement process.

- **Phase II of the Strategic Environmental Assessment for Wind and Solar PV Energy Development Projects, South Africa, Confidential Client, 2017**
  - *Project Officer*
  - Reinett was involved in the SEA for Wind and Solar Energy Development. Her role entailed the management of extensive stakeholder engagement, sensitivity mapping for Bats and contracting of specialists a specialist.

- **Basic Assessment and Waste Management Licence for the proposed development of a pig production enterprise on Portion 18 of Portion

Project Manager
Reinett was involved in the Basic Assessment for a pig production facility. Her role involved project management and support, report writing, socio-economic baseline studies and stakeholder engagement.

- Basic Assessment for the proposed development of a chicken broiler facility on Portion 40 of the Farm Jonathan 175-JQ, Brits, North West South Africa, Confidential Client, 2017
  Project Manager
  Reinett was involved in the Basic Assessment for a chicken broiler facility. Her role involved project management and support, report writing, socio-economic baseline studies and stakeholder engagement.

- Basic Assessment for the proposed maize and bean cultivation and harvesting enterprise on two portions of the Emthembeni Farm, near Estcourt, Kwa Zulu Natal South Africa, Confidential Client, 2017
  Project Reviewer
  Reinett was involved in the Basic Assessment for cultivation of maize and beans in Kwa-Zulu Natal. Her role involved providing project support and the review of the environmental assessment report.

- Special Needs and Skills Development Programme: Programme management and conducting of Basic Assessments for disadvantaged communities, businesses, enterprises, South Africa, Confidential Client, 2015-2017
  GIS Technician
  Reinett was responsible for mapping the distribution of application received under the Special Needs Programme. She also produced thematic sensitivity maps using ArcGIS for the projects within the programme.

- Final Environmental Impact Assessment Report for the proposed Class 3 road between the K34 and the Hazeldean Node in the Pretoria East- To be known as Hazeldean Boulevard submitted to City of Tshwane metropolitan Municipality. 2015
  Commenting Authority
  Reinett reviewed the Hazeldean Boulevard on behalf of the City of Tshwane. Her role included the review of the policies within the City of Tshwane to ensure that the project align with the mandate of the City.

  Project Assistant and GIS technician
  Reinett was involved with mapping of City of Tshwane Parks and Special Needs projects; reviewing Landuse applications such as applications for township establishment, rezoning, consolidation, division, subdivision and consent.

- Draft basic Assessment Report for the proposed residential township development as part of Portion 5 of the Farm Tygervalley 334-JR- To be known as Tijger Valley Extension 14 and 34, 2015
  Commenting Authority
  Reinett reviewed the Tygervalley development on behalf of the City of Tshwane. Her role included the review of the policies within the City of Tshwane to ensure that the project align with the mandate of the City.