

Stephanie Gopaul

Partner

Stephanie Gopaul is a Partner based in Durban, South Africa. She holds a science degree in engineering and environmental geology and Masters in Environmental Management. Stephanie started her career at the eThekweni Municipality and thereafter, served at GCS (Pty) LTD as an Environmental Scientist before joining ERM. Stephanie has more than fifteen years of experience in the field of environmental management consulting and is a registered Environmental Assessment Practitioner (Registration No. 2020/2202) with the Environmental Assessment Practitioners Association of South Africa (EAPASA) in accordance with the prescribed criteria of Regulation 15.(1) of the Section 24H Registration Authority Regulations (Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the National Environmental Management Act (NEMA), Act No. 107 of 1998, as amended).



Her fields of expertise include environmental permitting and management consulting to local and IFC standards in countries including South Africa, Mozambique, Kenya, Equatorial Guinea, and Angola. Additionally, Stephanie has experience in closure planning and costing, environmental auditing, due diligence, feasibility studies and environmental risk assessments.

In addition, Stephanie has experience in closure planning and costing, environmental auditing, due diligence, feasibility studies, and environmental risk assessments. She has successfully managed projects for clients in diverse sectors such as oil and gas (upstream and downstream), power utilities, renewable energy, industrial, mining, and transport.

Her focus and specialization revolve around the South African context, and she has led large-scale, multi-disciplinary, and complex projects for prominent companies including TotalEnergies, Shell, Impact Africa, Shearwater, ENI, ExxonMobil, Equinor, Sasol, Anglo suite, ENGIE, and others.

EXPERIENCE: 15+ years' experience in environmental permitting, environmental management and project management.

LINKEDIN: <https://www.linkedin.com/in/stephanie-gopaul-79473172>

EMAIL: Stephanie.gopaul@erm.com

EDUCATION

- Masters in Environmental Management, University of the Free State, South Africa, 2012
- BSc. Environmental and Engineering Geology, University of KwaZulu Natal, South Africa, 2005
- Water Quality Monitoring Short Course - GCS
- Environmental Impact Assessment Training– Metamorphosis Environmental Consultants;
- Intermediate/ Advanced Excel (ExecuTrain);
- Conflict resolution (Elsie Van Der Merwe)
- Project Management- University of the Free State;
- Hazardous Waste Course- IWMSA (Institute of Waste Management of Southern Africa)
- Environmental Managers as Leaders, Managers and Change Masters- University of the Free State;
- First Aid- Titan Medical; and
- Defensive Driving Course- MasterDrive.

LANGUAGES

- English, native speaker

FIELDS OF COMPETENCE

- Category A and B permitting (including Environmental Impact Assessments/ Basic Assessments)
- Environmental Management Programmes
- Environmental Audits and Due Diligence
- Compliance Audits
- Waste Management Licenses
- Integrated Water Use License Applications
- Integrated Water and Waste Management Plans
- Environmental legal assessments

- Environmental compliance monitoring
- Mining and prospecting right applications
- Public / stakeholder consultation and participation
- Mine closure and closure cost estimations

KEY INDUSTRY SECTORS

- Diversified Energy
- Offshore
- Manufacturing
- Chemicals
- Mining

AWARDS AND RECOGNITION

- 2023: Global Recognition Award related to Client excellence (ExxonMobil).
- 2022: Global Recognition Award related to delivery on Key Client account (Shell upstream).
- 2019: Global Recognition Award related to delivery on Key Client account (ENI), ENI African Account Manager, supported CPD growth into Africa (delivery and sales).

KEY PROJECTS

ExxonMobil Rovuma LNG Midstream project, Mozambique, 2023

Project Manager and EAP

ExxonMobil's Rovuma LNG Project in Mozambique was redesigned with ESG in mind – lowering emissions through engineering and technology selection, reducing security risks by offshoring operations, investing in biodiversity and local communities. ExxonMobil's efforts ceased due to local insurgency, COVID pandemic and Force Majoue in the country and they took the opportunity to redesign the plant, including an option for CCS, potential to significantly reduce emissions as well as reduce reliance on the workforce. The current scope and includes work includes:

1. Environmental Design Basis for the Area 4 midstream plant.
2. Review of the contractor's Waste Management Philosophy
3. Review of the contractor's Noise Management Philosophy
4. Review of the contractor's Environmental Design Basis
5. Review of a contractor's Acorn's Gap Analysis of the Area 4 Project
6. Regulatory review of the Combines Cycle Power Plant
7. Early Authorities Engagement (including impact screening) as part of an imminent update to the EMP
8. Compilation of a Permitting Action Tracker for the midstream and Upstream Components
9. Updates to 16 contractors Environmental Management Plans & 10 Socio-economic Management Plans

Noble/ Chevron EIA Amendment re the Aseng gas Monetisation Project, Equatorial Guinea, 2023

Project Manager

Noble Energy EG Ltd., a Chevron Company, intended to expand the Alen and Aseng deepwater gas facilities in Blocks O and I, off the east coast of Bioko Island, Equatorial Guinea. The supplemental EIA process was undertaken to comply with the environmental licensing requirements of the Republic of Equatorial Guinea, to describe the environmental baseline conditions of the Project area and to recommend mitigation measures for Project activities as warranted for the Project.

Sasol Expert Responding Affidavit on Review Application for Offshore Exploration Project, Block ER236 of the East Coast of South Africa, 2022

Project Manager and EAP

Various applicants lodged a review application in the High Court of South Africa, against the Environmental Authorisation held by ENI and Sasol for offshore exploration in Block ER236 of the East Coast of South Africa. Duties as a project manager and EAP included preparing an expert affidavit in response to the review and co-ordinating the inclusion of the opinions of marine fauna experts, oil and gas subject matter experts, an underwater noise modelling expert, and a climate change expert. This also included collaboration with the clients, client's attorneys and the expert legal council.

Coega LNG Exclusion Zone Quantified Risk Assessment, South Africa, TotalEnergies; 2021

Project Manager

Stephanie managed the team to support TotalEnergies carry out a Quantitative Risk Assessment (QRA) in order to inform a series of proposed exclusion zones for the TOTAL Coega LNG (Liquefied Natural Gas) concept which TOTAL has proposed to the South Africa Department of Mineral Resources and Energy.

Environmental Impact Assessment for Offshore Exploration Drilling, South Africa, ENI, 2019

Project Consultant

Contributing to the drafting of a Scoping and EIA Report and the management of specialists for an exploration drilling project, offshore South Africa.

Additional support on this project included addressing appeal comments in collaboration with the ENI team and their appointed legal consultants.

Gas to Power EIA, South Africa, ACED, 2021

Environmental Assessment Practitioner

Stephanie was the Environmental Assessment Practitioner (EAP) for the EIA for this Gas to power facility, Saldanha Bay in the Western Cape, South Africa

Darling Wind Power EMPr- Darling 1B Wind Energy facility in the Western Cape EAP

Amendment of the EMPr and layout plan associated with an Environmental Authorisation obtained in 2021.

Environmental and Social Screening Assessment, South Africa, ENGIE, 2020, Project Manager and reviewer

Directed and reviewed an Environmental and Social Screening (ESS) of the seven pre-selected sites. The purpose of the work was for early identification of any potential high risk environmental or social sensitivities associated with the project development at and around the proposed sites. This can be accomplished by the development of high-level pre-feasibility investigations to determine any potential environmental and social impacts that may inhibit the successful development of these projects in terms of the environmental permits and authorizations required at each of the sites.

Goldfields Solar PV EIA, South Africa, ENEL Greenpower, 2017- 2019

Project Consultant

Gold Fields in collaboration with Enel Green Power proposed a 40MW Solar PV Plant at the South Deep Gold Mine near Westonaria, Gauteng. My project responsibilities included compilation of the financial provisioning for closure and drafting certain sections of the EIA.

Shell Gess Programme, Shell, South Africa, 2013 - ongoing

Project Manager

Responsibilities included managing various (ERM has been awarded over 400 to date) Shell Gess projects including Remediation Orders, Section 24G Rectification Processes, Environmental Licensing, Environmental Audits and Waste Management Licenses in terms of specialists co-ordination, public consultation, client liaison, report compilation and all financial aspects. List of selected Projects include:

1. Basic Assessment for the Construction of the Aerodrome Service Station;
2. Decommissioning Basic Assessment for Shell infrastructure at the AEL Modderfontein Site;
3. Bayhead Road Compliance Motivation;
4. Breede Valley Decommissioning Basic Assessment and ECO Audits;
5. Davenport Service Station Compliance Audit;
6. Combined Transport Section 30 Application;
7. Five Star Service Station Compliance Audit;
8. Glebe Service Station Compliance Audit and ECO;
9. Key Delta Basic Assessment Process and ECO Audit;
10. Assegai Motors Environmental Audit and EMP;
11. Bailey and Maile EMP;
12. Mondi Basic Assessment Process and ECO Audit;
13. Montrose Service Station ECO Audit;
14. Ntokozweni EMP and ECO Audit;
15. Philani Valley EMP and ECO Audit;

16. Masakhane Basic Assessment Process and ECO Audit;
17. Beverly Service Station Basic Assessment Process;
18. Diepsloot Basic Assessment Process;
19. Alberton Water Use License;
20. Bargain Wholesalers EMP;
21. Quatro EMP;
22. Summit Road Basic Assessment Process;
23. Wilie Street Basic Assessment Process;
24. Cosmo City Basic Assessment Process;
25. Caledon Depot Basic Assessment;
26. Witbank WULA;
27. Mvoti Service Station WULA;
28. Umfula Motors Basic Assessment Process;
29. Update of Dom Pedro EMP;
30. De Beers Kleinsee Decommissioning Basic Assessment Process;
31. AEL Modderfontein Decommissioning Basic Assessment Process;
32. Three Sisters Screening;
33. Western Cape Sites Screening;
34. Project Black Rhino Screening and AEL;
35. Section 24G Screening Assessment for over 200 Shell sites.

Victoria Louw

Principal Consultant

Vicky Louw (Nee Stevens) is a Principal Environmental Consultant in ERM with over 15 years of experience in the field of environmental consultancy. Vicky has extensive experience with the Project Management, Coordination and compiling of Environmental Impact Assessments (EIAs) and Environmental Management Plans (EMPs) for developments occurring in the marine and coastal zone. She has also supported the marine permitting and management plans for subsea cables, dredging and coastal discharges. Maximising the success of delivery, she has coordinated many environmental disciplines, while liaising closely with the client, project teams, authorities and stakeholders. Recent key experience includes project manager/ marine lead for the following Projects:



- The installation of the 2Africa cable system in Nigeria, Senegal, Gabon, Seychelles, Angola, Egypt and São Tomé and Príncipe.
- The development of oil and gas fields for Halfdan North and Valdemar, offshore Denmark
- An exploration well off the coast of KwaZulu-Natal.

EXPERIENCE: 18 years' experience in EIAs & EMPs for developments occurring in the marine and coastal zone

LINKEDIN: <https://www.linkedin.com/in/victoria-louw-0656121b>

EMAIL: vicky.louw@erm.com

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

PROFESSIONAL AFFILIATIONS AND REGISTRATIONS

- South African Council for Natural Scientific Professions (Pr.Sci.Nat. No: 400170/17)
- Member of the IAIA SA association

LANGUAGES

- English, native speaker

FIELDS OF COMPETENCE

- Project Management and Compilation of EIAs and EMPs for offshore Oil & Gas exploration, development, production and decommissioning projects
- Project Management and Compilation of EIAs and EMPs for subsea cable projects
- Providing engineers with advice and guidance to ensure environmental compliance
- Environmental permitting reviews according to World Bank and IFC requirements
- Coastal Waters Discharge Permits
- Marine specialist and oceanographic studies
- Environmental monitoring of dredging operations
- Liaising with authorities, stakeholders, interested & affected parties and clients

KEY INDUSTRY SECTORS

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

PUBLICATIONS

- Stevens, V, Waldron, H, Brundrit. G and Harcourt-Baldwin, J (2005) The Threat and Cascade Method of Estuarine Health Assessment, South African Marine Science Symposium
- Stevens, V, Waldron, H, Brundrit. G and Harcourt-Baldwin, J (2005) The Threat and Cascade Method of Estuarine Health Assessment - A Logical Sequence from Human Impact to Biological Degradation via System Physics and Chemistry, Land Ocean Interactive Zone Conference

KEY PROJECTS

Permit Feasibility Study for a subsea cable installation in SA, Confidential 2024

Marine Lead

Responsible for the permit feasibility study for two potential subsea cable landings in South Africa.

Scoping and ESIA Study, DP World Maputo, 2023

ESIA Review

Responsible for technical review of the ESIA Report and associated specialist studies for a port expansion project in Maputo.

Supplementary EIA Report, Confidential, 2023

Marine Lead and Project Manager

Responsible for project management and the drafting of a Supplementary EIA Report for the Aseng Gas Monetization (ASGM) Project in Equatorial Guinea.

Environmental Impact Assessment (EIA) Reports for 2 Africa Subsea Cable System, ASN, 2021

Marine Lead and Project Manager

Responsible for project management and the drafting of a Scoping and EIA Reports and the management of specialists for a subsea cable system for multiple countries in West and East Africa.

EIA Report for an Offshore Development, Denmark, Confidential Client, 2020

Environmental Lead

Reviewing and contributing to the drafting of an EIA Report. ESPOO Notification and the Natura 2000 Appropriate Assessment Screening Report for the Valdemar Development, offshore Denmark.

Environmental Compliance Audits for the Drilling and Seismic EMPr for Block 11B/12B for TEPESA, South Africa, 2020

Audit Lead

Reviewed the environmental compliance audit and compiled the close out report for the Block 11B/12B.

EIA Report for an Offshore Development, Denmark, Confidential Client, 2020

Environmental Lead

Reviewing and contributing to the drafting of an EIA Report. ESPOO Notification and the Natura 2000 Appropriate Assessment Screening Report for the Halfdan North Development, offshore Denmark.

Environmental Compliance Audit and Close Out Report for the Deep Water Durban Exploration Right for Exxon Mobil, South Africa, 2020

Reviewed the environmental compliance audit and compiled the close out report for the Deep Water Durban Exploration Right.

Environmental Compliance Audit Report for the Transkei-Algoa Exploration Right for Exxon Mobil, South Africa, 2020

Reviewed the environmental compliance audit for the Transkei-Algoa Exploration Right.

Environmental Compliance Audit of the ER236 Exploration Right for Eni South Africa B.V, South Africa, 2020

Reviewer

Reviewed the environmental compliance audit for the ER236 Exploration Right

Environmental Compliance Audit Report for the Tugela South Exploration Right for Exxon Mobil, South Africa, 2020

Reviewer

Reviewed the environmental compliance audit for the Tugela South Exploration Right.

Health, Safety, Security and Environment (HSSE) review of offshore Angola operations as part of a transaction process, Confidential Client, 2020

Reviewer

Reviewed the HSSE documents, on the behalf of the client, with the primary purpose to access the regulatory compliance status of the Assets.

ESDD Review of the ESIA for a Port Development in Mozambique, Confidential Client, 2020

Reviewer

Reviewed the ESIA, on the behalf of the client, with the primary purpose to check if national requirements and lender requirements are both adequately considered.

Offshore Nigeria, Confidential Client, 2019

Marine Lead

Contribution to the environmental and social baseline assessment of offshore Oil & Gas assets, offshore Nigeria.

EIA Appeal Response, South Africa, ENI, 2019-2020

Marine Lead

Contributing to the drafting of appeal responses against the Environmental Authorisation.

Coastal Water Discharge Permit, South Africa, Burgan Cape Terminals, 2019 to 2020

Marine Lead

Contributing to the Coastal water Discharge Permit application for a proposed reverse osmosis desalination plant and associated infrastructure, Port of Cape Town. Review of the Environmental Management Programme for CCT.

Environmental Red Flags Study Madagascar, CPCS, 2019

Marine Lead

Contributing to an Environmental Red Flags Study for the Madagascar Cabotage Project Madagascar and conducting ground trothing on site.

Legal Register and Permitting Report, Offshore Namibia, Exxonmobil, 2019

Project Manager

Responsible for the management of the subcontractor

Legal Register, Nigeria, Confidential, 2019

Project Consultant

Responsible for the compilation of a legal register for occupational health and safety laws applicable to the film industry in Nigeria.

Environmental and Social Baseline Update, Offshore Angola , Confidential Client, 2019

Project Manager

Update of the environmental and social baseline for a proposed offshore Oil & Gas development, offshore Angola.

EIA Report for METISS Subsea Cable System to be Landed in KwaZulu-Natal, South Africa, ASN, 2018 to 2020

Marine Lead and Project Manager

Responsible for project management and the drafting of a Scoping and EIA Report and the management of specialists for a subsea cable system, KwaZulu-Natal, South Africa.

EIA Report for Noble Energy's Alen Gas Export Pipeline, Equatorial Guinea, Noble Energy, 2018

Marine Lead and Project Manager

Responsible for project management and the drafting of an EIA Report for the installation of an offshore natural gas export pipeline.

EIA Report for IOX Subsea Cable System to be Landed in East London, South Africa, IOX, 2018

Marine Lead and Project Manager

Responsible for project management and the drafting of a Scoping and EIA Report and the management of specialists for a subsea cable system, East London, South Africa.

ESIA Report for Offshore Exploration Drilling, Kenya, ENI, 2018

Marine Lead

Contributing to the drafting of a pre-ESIA and ESIA Report for an offshore exploration drilling project, offshore Kenya.

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 EIA Report for a 3D seismic survey in the western portion of the PEL 39 Licence Area.

EIA Report for Marine Shallow Seismic Acquisition in the Marine III licence area in the Republic of Congo, NewAge, 2017 to 2019

Project Manager and Marine Lead

Responsible for the Project Management and drafting of an EIA Report for a shallow marine seismic survey project offshore Congo.

EIA Report for Offshore Exploration Drilling, South Africa, ENI, 2017 to 2019

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.

EIA Report for Offshore Seismic Survey Blocks W, S and EG21, Equatorial Guinea, KOSMOS, 2019

Marine Lead

Contributing to the drafting of an EIA Report for a seismic survey project in offshore Bioko Equatorial Guinea waters.

EIA Report for Offshore Seismic Survey Block 11, Equatorial Guinea, ExxonMobil, 2019

Project Manager

Responsible for the drafting of an EIA Report for a seismic survey project offshore Bioko Island, Equatorial Guinea.

The EIA Report 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 EIA Report for Block I to Include Offshore Drilling, Equatorial Guinea, Noble Energy, 2017

Project Manager and Marine Lead

Responsible for the drafting of an EIA Report for additional offshore drilling activities in Block I, Equatorial Guinea.

The EIA Report 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 EIA of BUA Refinery and Petrochemical Project Ibeno, Nigeria, Confidential Client, 2019

Reviewer

Reviewed the ESIA, on the behalf of the client, with the primary purpose to see that national requirements and lender requirements are both adequately considered.

EIA Report 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.

EIA for Offshore Exploration Drilling, Equatorial Guinea, ExxonMobil, 2017

Marine Lead

Contributing to the drafting of an EIA Report for an offshore exploration drilling project offshore Bioko Island, Equatorial Guinea. The EIA Report 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.

EIA Onshore and Offshore Mozambique, Sasol, 2017

Project Co-ordinator and Marine Lead

Project co-ordinator and Marine Lead of Scoping Study, Specialist studies, and the ESIA 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).

EIA, offshore Tanzania, BG, 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.

EIA 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

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 Report and Environmental Management Plan 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.

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.

KEY PROJECTS BEFORE JOINING ERM



Victoria Louw
Principal Consultant

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, 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 UNIK, 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, 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, 2015

Environmental Advisor

Assisting WorleyParsons Engineers with environmental authorisations for multiple projects.

Amendment to an Existing Environmental Authorisation - Final Amendment EIA Report. Proposed Well Stimulation of Three Wells in the F-O Gas Field, Offshore Mossel Bay, SA, PetroSA, 2013 - 2015

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.

Environmental Advisor, Koeberg Nuclear Power Station, South Africa, Eskom, 2014

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

Writing multiple reports on the results of the 2012 post construction survey of the Noord Stream pipeline, in the Baltic Sea. Compiling noise assessments of the impact of seismic guns on marine mammals and fish in the North Sea. Managing and writing multiple PON15B applications. Scoping assessment for an Oil & Gas development in Shetland.

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 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 Nielson), 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.

Joane Foucher

Consulting Director

Joane is Consulting Director at ERM France, in Paris office. She is part of Southern Europe Capital Project Delivery Team, acting as Project Manager, Environmental Lead and Team Leader for France.

The vast majority of the projects she has been involved in are in the Oil & Gas industry: for various segments (E&P, Refining, LNG,...), in main Project development phases (Conceptual, FEED, EPC), both Onshore and Offshore, in multiple geographies. She has managed and contributed to numerous ESIA's across different geographies and has experience with international standards.



EXPERIENCE: +20 years' experience in Health, Safety and Environmental Services

LINKEDIN: <https://www.linkedin.com/in/joane-foucher-29430b256/>

EMAIL: joane.foucher@erm.com

EDUCATION

- Engineer graduated from ENSIL (Ecole Nationale Supérieure d'Ingénieurs de Limoges), specialized in environment, France, 2001
- Technical Diploma of the Orsay University (Diplôme Universitaire de Technologie) specialized in chemistry, France, 1998

LANGUAGES

- French, native speaker
- English, fluent

FIELDS OF COMPETENCE

- Project Management
- Environmental design
- Engineering
- Environmental Impact Assessment

- Atmospheric Dispersion
- Best Available Techniques
- Carbon footprint
- Compliance with international environmental standards (e.g., IFC PS)
- Safety design: active & passive fire protection / fire & gas detection / escape, evacuation and rescue / hazardous area classification

KEY INDUSTRY SECTORS

- Oil and Gas
- Renewables and CCUS
- Chemicals & fertilizers

KEY PROJECTS

Environmental & Social scoping for LNG infrastructure project in Morocco (confidential, on-going)

Project Manager and Lead environmental for an E&S scoping study in accordance with international standards as part of the due diligence and transaction structuring process for a LNG infrastructure project in Morocco consisting in an import and regassification terminal alongside its associated downstream gas transport / distribution infrastructure.

Program Manager and technical assistance for environmental screenings, Environmental Impact Assessment (TotalEnergies E&P Denmark, since 2021)

Support for delivering environmental impact assessment reports or screening reports for various activities on existing offshore assets (new platforms and pipelines, workovers, drillings). Acting as project manager and Environmental Lead.

Support to ESIA on a CO₂ pipeline project crossing 6 countries in Europe (confidential, on-going)

Support for reviewing scoping and ESIA reports for Danish and French trunklines on a CO₂ highway pipeline project crossing 6 countries in Europe.

Environmental and Social Due Diligence for a Gas Development Project in Morocco (onshore, offshore) (Confidential, 2023)

Project Manager and Lead environmental for an ESDD including site visit, reporting and ESAP aligned with IFC and EP4.

Environmental and Social monitoring for a thermal plant in Togo (confidential, 2023)

Project Manager and Lead environmental for an E&S monitoring during construction period including site visit, reporting and ESAP aligned with IFC and EP4.

Project Manager for Biodiversity studies on O&G infrastructures (offshore and onshore) (confidential, 2022 - 2024)

Realization of different types of biodiversity studies (diagnosis, Biodiversity Action plans) on various O&G infrastructures (offshore assets, onshore upstream or downstream sites) in Denmark, Tunisia, France, Nigeria and Brazil.

IFC benchmark study in the O&G Sector (confidential, 2022)

Project manager and Environmental Lead for a benchmark study based on IFC Standards for an O&G project in Papua New Guinea: preparation of an IFC based questionnaire to lead the benchmark study, participating in interviews with peers, review of IFC benchmark report.

Technical assistance for Tunnels and associated infrastructures Early Works ESIA, Guinea (confidential, 2021)

Technical assistance as Environmental Lead for the realization of an Environmental and Social Impact Assessment Study for the construction of tunnels and associated infrastructures as part of railway development early works in Guinea.

Project Manager for socio-economic and environmental studies for Offshore Wind Farm in Normandie, France (confidential, 2021-2022)

Project Manager for the realization of socio-economic and environmental studies to support the application to a call for tender for an offshore wind farm in France.

Environmental Lead for ESIA review against World Bank Standard (confidential, 2021)

Review of an ESIA for a pumping water transfer station project in Tunisia to perform a gap analysis against World Bank E&S Standards.

Project Manager for ESIA studies, Seismic and Drilling in Oman (confidential, 2021)

Project Manager for the realization of Environmental & Social Impact Assessment Study for a seismic acquisition survey and exploration drilling campaign, onshore Oman. The scope also includes the Environmental and social baseline studies, as well as scoping report.

Project Manager for ESIA study, Drilling campaign offshore Malaysia (confidential, 2021)

Project Manager for the realization of Environmental & Social Impact Assessment Study for an exploration drilling campaign, offshore Malaysia. The scope also included ENVID, scoping, social baseline and fishery study, underwater noise modelling, drill cuttings and mud modelling as well as oil spill modelling.

Project Manager for Environmental Studies of Gorm Reconfiguration Project (TotalEnergies E&P Denmark, 2021)

Project Manager for the environmental studies to be conducted as part of Gorm Reconfiguration Project: ENVID, scoping and Environmental & Social Impact Assessment Study of the Project, screening reports for various fields, update of existing ESIA on other fields. The scope also includes the Net Environmental Benefit Analysis and Comparative Assessment of the decommissioning options.

Project Manager for Social Acceptability study of carbon capture & Storage Project in Dunkirk, France (confidential, 2021)

Project Manager for the social acceptability study of carbon capture and storage Project in Dunkirk (France).

Facilitating citizen committee for the project in 2022 and 2023.

Project Manager for ESHIA studies, Seismic acquisition in Sao Tome é Principe (confidential, 2020)

Project Manager for the realization of two Environmental, Social & Health Impact Assessment Studies for a seismic acquisition survey in Sao Tome é Principe and JDZ.

Technical Assistance for the Environmental Risk Assessment Studies of North Sea Platforms in Denmark (Total E&P Denmark, 2020)

Environmental Lead for the Environmental Risk Assessment study of the Halfdan A and Halfdan North Platforms in accordance with Total's methodology.

KEY PROJECTS PRIOR TO JOINING ERM

HSE Design Engineer at Technip (2008 – 2020), Engineering Company. Involved in various engineering projects, mainly in the Oil & Gas industry, main experience described hereafter:

Lead environmental engineer for a LNG liquefaction plant project, onshore Mozambique (EPC, confidential, 2020)

Establishment of environmental aspects register, participation to ENVID study, stack height determination, marine dispersion study scope of work.

Sponsoring of newly hired lead environmental engineer for a condensate platform development project, offshore United Arab Emirates (FEED, confidential, 2019)

Technical support to new hired lead environmental engineer; follow-up of the marine & atmospheric dispersion studies, focal point for HSEIA.

Lead environmental engineer for a FPSO project, offshore Israël (EPC, confidential, 2018)

Definition of environmental philosophy applicable to the project based on local regulations, Client specifications and codes & standards. Establishment of environmental inventories (gaseous emissions, liquid effluents, solid waste) and waste management report. Estimation of carbon footprint of the project. Implementation of avifauna protection patent on the project.

Lead environmental engineer for a refinery modernization project, UK (conceptual, confidential, 2017)

Definition of environmental philosophy, establishment of environmental inventories and Best Available Techniques Assessment report.

Focal point HSE for a project of ocean thermal energy (renewables), Offshore France (Martinique) (conceptual, confidential, 2016)

Coordination of various HSE activities: HAZID, biofouling, critical analysis on safety engineering documents.

Focal point HSE for the expansion of a refinery, Irak (FEED, confidential, 2015)

Coordination of HSE activities including safety engineering, environmental & noise as well as risk quantification.

Lead safety engineer for the development of an integrated wellhead platform project, offshore Denmark (EPC, confidential, 2012-2014)

Definition of philosophies and strategies, Fire & Gas detection studies (including follow-up of mapping studies), ATEX risk analysis, follow-up of escape, evacuation & rescue equipment procurement (lifeboats, escape chutes, man overboard boat).

Safety engineer for a rehabilitation and adaptation of a refinery, Algeria (EPC, confidential, 2011)

In charge of fire protection studies: active fire protection philosophy, fire water demand calculation note, fire protection and personnel protection drawings, network hydraulic study, early works and ties-in on existing network, safety equipment specification and follow-up of safety equipment procurement.

Safety engineer for a project of gas treatment facilities (new units), onshore Qatar (EPC, confidential, 2010)

In charge of fire protection studies: job specification for design, firewater demand calculation note, fire fighting layouts and Piping & Instruments Diagrams.

Safety engineer for a project of distillate hydrocracking unit implementation within a refinery, Saudi Arabia (EPC, confidential, 2009)

In charge of fire protection studies: fire water demand calculation note, deluge system hydraulic and arrangement calculation notes, fire protection and personnel protection drawing, line list, firewater Piping & Instruments Diagrams.

Safety engineer for a project of sulfuric acid production plant, Tunisia (EPC, confidential, 2008)

In charge of safety concept, hazardous area classification, active fire protection, personnel protection, safety equipment specification. Follow-up of safety equipment procurement.

Consultant for Sof Conseil (2001 – 2008) involved in various missions, mainly in the Oil & Gas industry:

- Environment: Environmental Impact Assessment studies for regulatory operating permits, Health Impact Assessment studies (including atmospheric dispersion modeling), Environmental Management Plans (waste, chemicals, oil spills)
- Safety: Risk analysis (Quantitative Risk Assessment, safety studies for SEVESO II regulatory operating permit), HAZOP, HAZID
- Functional Safety: SIL reviews, reliability studies and calculations
- Organization: implementation of Quality and Environment Management Systems to obtain ISO 9001 and ISO 14001 certifications.