

Carbon-Limits Nigeria



CORPORATE PROFILE



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MANAGEMENT

Our company's development path over the years reflects our core values: which include offering professional services to our clients in the area of identification and development of projects that can reduce greenhouse gas emissions and sale of carbon credit from such projects. With over 10 years' experience in the business, we are well-positioned to provide our clients with expert consultancy services.

We are quick to adapt to an ever-changing world of transformation as a company abreast of the global climate issues and the need for energy transition. We have a vision to remain a leading consulting company known for energy market study, carbon financing of emission reduction project, climate policy and strategy development, and measurement, reporting and verification (MRV) system setup in Africa and throughout the globe.

We look forward to working with you in achieving your climate objectives as we are excited to walk with our clients, business partners, and employees on the path to attaining a climate friendly environment.

ABOUT US

Carbon-Limits Nigeria (CLN) is a leading consulting company on Climate Change and Sustainable Development and provides project development and technical consultancy services in these areas.

The Company was established in 2010 as a Joint Venture focused on developing projects that reduce GHG emissions, energy market study and exploring opportunities for the carbon market in Nigeria and throughout Africa. The Joint Venture includes Carbon Limits AS of Norway, a global leader in CDM development in the energy sector, and Nigerian investors with strong knowledge and experience in the domestic economy.

CLN is involved in sectors including upstream oil and gas, electricity, and renewable energy (alternative fuels such as biomass). Since its inception, CLN has been actively involved in implementing projects that reduce Greenhouse Gas (GHG) emissions under UN Kyoto Protocol (the Clean Development Mechanism, CDM). Recently, the company has been actively involved in the Paris Agreement implementation process, measurement reporting and verification (MRV) system set up in the oil and gas sector, exploring carbon market opportunities for both public and private entities and also has expertise in developing Nationally Determined Contribution (NDC) on a sectoral basis.

CLN offers specific and tailored workshops/capacity building services to support private and public institutions; improving their skills and competencies on NDC development – especially on the impacts these will have on various companies – carbon assessment for mitigation, developing climate-based mitigation projects and other climate-related issues.

SERVICES

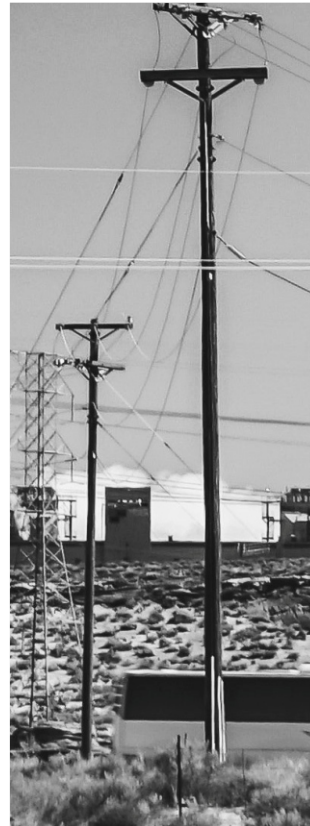
CLN offers specialized consulting services in the area of

Energy study - Energy access and gas utilization study.

Carbon Financing - Carbon assessment of projects and achieving revenue from the sale of carbon credits.

Climate Policy/MRV- Development of corporate climate strategy, sectoral NDC and implementation plan and measurement reporting and verification (MRV) framework.

Capacity Building- Organize tailored workshops/capacity building services to support private and public institutions on climate change issues.



OUR PROJECTS

Carbon Financing

Oil and Gas



Three registered gas flaring reduction projects in Nigeria, generating the largest amount of carbon credits in Africa.



The first has generated over 2,000,000 tons of carbon credits and has gained additional revenue from the sale of the carbon credit. The two other projects have the potential to generate up to 400,000 tons of carbon credits annually, both projects have now been registered under the EU-Fuel Quality Directive Scheme.

Greenville LNG: Replacement of Higher Carbon Fuels by Natural Gas in the Industrial and Power Sector in Nigeria



CLN worked with an LNG producer to develop and register a carbon-based emission reduction project under the UNFCCC CDM Programme of Activity (PoA) using the UNFCCC CDM mechanism. The project involves the use of LNG to provide energy feedstock for industries that have limited or no access to natural gas and as such use highly

intensive fossil fuels such as diesel and LPFO. Under the PoA, all project activities that will switch from LPFO/Diesel fuel to the use of natural gas because of the implementation of the project (LNG) will be registered as CPA under the PoA. The PoA, has been approved and registered by the UNFCCC.

European Union Fuel Quality Directives for Upstream Emission Reductions



CLN is currently working with national and indigenous oil and gas companies to identify and assess projects that could be developed to achieve certified carbon emission reduction (carbon credit). The objectives of these projects are to monetize the carbon credits achieved from these projects under the current European union fuel quality directive. Emission reductions achieved from the projects will be sold to countries in the European Union that seek to meet their GHG emission reduction targets in the oil and gas sector.

TRANSPORT

Ropeways Cable Car: Lagos Cable Propelled Transit Project

CLN worked on a Lagos Cable Car Project. The project is to install a cable car system connecting central Lagos with the Island to provide efficient mass transit for that area.

The project when in operation will reduce a significant amount of GHG emissions by substituting for traditional road transport.



ELECTRICITY

CLN worked on the monitoring and verification of CCGT power plant mitigation projects



We worked with Shell Petroleum Development Company of Nigeria (SPDC) Joint Venture in the Niger Delta to monitor and verify emission reduction from the Afam VI power plant under United Nations Framework Convention on Climate (UNFCCC) CDM mechanism. The project provides reliable electricity as well as reduces emissions by about 600,000 tons of Co2 per year.

CLN has also worked with TOTAL and the Nigerian National Petroleum Company (NNC) on another CCGT Power Plant, (submitted for CDM registration). The objective of the project is to promote more efficient CCGT technology in this sector.

OUR PROJECTS

Energy Market Study

NewCross E&P: Overview of Potential Gas Markets for the OML 24



CLN worked with the company in developing its gas market strategy with the objective of carrying out a gas market study to guide on the gas market available for its gas resource. The project focus on reviewing the ongoing and planned gas projects in the country, assessing the current gas market demand, gas value chain, and potential customer for the OML 24 gas.

OECD/3CS: Improving Energy Access in Sub-Saharan Africa



CLN worked as a consultant to the OECD, executing an energy study to review energy access in Sub-Saharan Africa (SSA). The study aimed to review the energy access; electricity and access to clean cooking in the SSA countries, the successes recorded thus far and also policies and regulations that will be required to support an increase

in access to electricity via options of grid expansion, mini-grids and solar home system while also assessing options to enhance access to improved clean cooking in SSA countries.

<https://www.oecd.org/environment/cc/climate-futures/case-study-achieving-clean-energy-access-in-sub-saharan-africa.pdf>

BGR: Study on Gas Flaring in Cameroon

CLN worked with the German government (BGR) on an energy study in Cameroon and Algeria. The study focuses on assessing the status of gas flaring in the selected countries, regulations and policies that support the achievement of flare reduction in the country and options to reduce flaring in line with achieving the countries' Nationally Determined Contribution (climate plan) objectives.



WORLD BANK/GGFR: Study on Identification of Opportunities for Gas Market and Electricity Industry in Gabon

CLN worked together with CL Oslo on a GGFR/World bank project in a sub-Saharan country in Africa. The study focused on the identification of project opportunities for efficient gas utilization and the assessment of the gas market and demand issues in the electricity industry in the country.



CLN also worked with a domestic oil company on the development of a gas market study with the scope of identifying viable options for monetizing associated gas produced from its field and extension.

LASEPA: Study on Waste Utilization for Energy

CLN worked with the Lagos State Environmental Protection Agency (LASEPA) on an innovative project that would convert sawdust into biofuels that would replace fossil fuels in certain industrial facilities. The view is to expand the scope of the project to all sawmills in the state.



OUR PROJECTS

Climate Policy/MRV

NNPC-RED: Climate Strategy and NDC Implementation



CLN worked on developing a climate strategy for the Nigeria National Petroleum Company (NNPC) Renewable Energy Division. Also worked with the division to determine the oil and gas sector Nationally determined Contribution under the Paris agreement which Nigeria is a signatory. The project focuses on

the development of Nationally Determined Contributions (NDC) for the Oil and Gas Sector, GHG inventory, analysis and development of the mitigation-based project, and Carbon management based on international best practices and a robust climate strategy.

NDC Compilation

As required under the Paris Agreement, each country is expected to update its NDC every five (5) years. Nigeria as a party to the agreement worked on revising her NDC target and CLN was actively involved in the project. CLN worked with the lead company (Ricardo PLC) in the review and compilation of the revised NDC which takes into consideration inputs from the methane regulation work carried out by CATF and CLN.



https://www4.unfccc.int/sites/ndcstaging/PublishedDoc/uments/Nigeria%20First/NDC_File%20Amended%20_11222.pdf

Methane Regulation



Clean Air Task Force (CATF), USA in collaboration with Carbon-Limits Nigeria and the Department of Petroleum Resources (DPR) is currently building capacity on fugitive methane emission in the Nigeria oil and gas sector. CATF has successfully carried out a similar activity in Mexico and is recently working with Carbon Limits in Nigeria and the upstream oil and gas regulator (Nigerian Upstream Petroleum Regulatory Commission) to develop methane inventory with the use of CoMAT software. The project also includes assessing and establishing mitigation measures and the development of policies that will support the objectives of including Methane emission and mitigations measures in the country NDC.

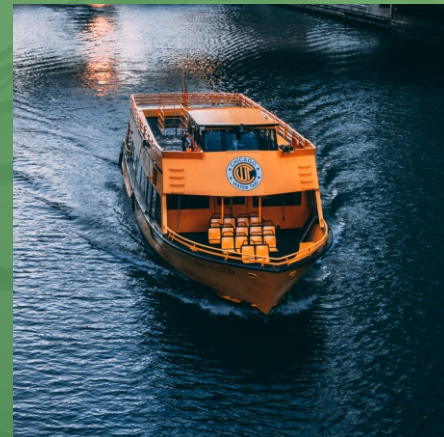
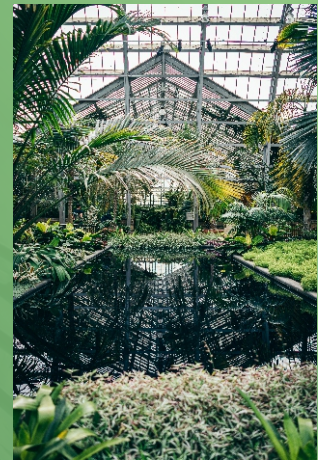
NDC Climate Registry



NDC Climate Registry CLN worked with the Federal Ministry of Environment (FMEnv.) to develop an NDC registry for storing information on mitigation and adaptation projects across the seven (7) NDC sectors to allow for easy tracking of NDC progress in each sector. The NDC Climate Registry provides a comprehensive and reliable database where stakeholders and the public can see the status or stages of implementation of various NDC projects and their outcomes. <https://ndcregistry.climatechange.gov.ng/>

MRV Framework Nigeria

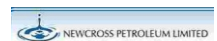
NIGERIA - ICAT PROJECT



Initiative for Climate Action Transparency (ICAT) - Consultancy Project(s) Capacity Building on Application of Measure, Report and Verify (MRV) Greenhouse Gas (GHG) Emissions of Mitigating the Impact of Climate Change in Nigeria

CLN is working with the Federal Ministry of Environment (FENV.), Department of Climate Change (DCC), and a team of ICAT international consultants to support the Initiative for Climate Action Transparency (ICAT) geared towards building capacities to understand and apply tools necessary to Measure, Report and Verify (MRV) Greenhouse Gas (GHG) emission and the impact of mitigation actions, as well as to strengthen the country's institutional arrangements and processes for MRV policies and actions. The project is ongoing and upon completion, will help in actualizing a sustainable MRV system across the relevant NDC sector and further provide a means to track the country's NDC performance and ensure an enhanced transparent reporting framework is put in place. <https://climateactiontransparency.org/?s=nigeria>

Our Clients



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