

CAMEROON PETROCHEMICAL ENGINEERING ACADEMY.

CPE Academy.



THE BLUE PRINT.

- INDUSTRIAL ENGINEERING,
- PETROLEUM ENGINEERING,
- OIL & GAS ENGINEERING

PROFESSIONAL TRAINING FOR ON/OFFSHORE OPERATIONS.

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CPE Academy.

GLOBAL GOAL:

CPE Academy (formally known as NEMA Cameroon) is created and committed to implant the petroleum and oil & gas engineering profession in Cameroon through appropriate petroleum and oil & gas engineering professional training programs leading to the removal of Cameroonians (especially the youths) from their poor static inadequate petroleum, and oil and gas technological/engineering status to a more dynamic, self-reliant and less dependent oil and gas or petroleum technological/engineering needs through this professional industrial and technological training.

***Founder and General Manager of
CPE Academy.***



The background courses for the creation of CPE Academy are the facts that:

- Cameroon has not yet get in to the main stream of on/offshore professional Oil and Gas/petroleum, industrial technological development.
- Cameroon is still economically and industrially under-develop in vocational training on On & Offshore Oil and Gas/petroleum, industrial technological operations management and human resource coaching, hence making international users of these sector not completely meeting up with their investment plans in terms of time and costs if depending on local skills while the need for the local skills is necessary.

- Cameroon needs private vocational training structures within the Oil and Gas, Petroleum, industrial/technical sector to fight unemployment and poverty at the bottom, while setting a base for sustainable self-reliant Oil and Gas/petroleum, industrial/technical, and socio-economic development.



The major objective of CPE Academy is to enter in to any lawful arrangements with the international/government authorities, municipalities or otherwise, or any company, firm or persons that may seem conducive to the attainment of CPE's global goal and to obtain from such international/government, authorities, companies firms, or persons; any charters, contracts, decrees, rights, privileges, ventures, financings, business, partnership, empowerment, which CPE Academy may think desirable with any such authority.



CPE Academy shall also provide multi-industrial oil and gas, petroleum orientation and training programs for On and Offshore industrial and petroleum operations to Cameroonian youths in view of the numerous industrial projects in Cameroon and those still projected both by the

government of Cameroon and international investor. These training programs shall include Petroleum Welding or Industrial Welding, Oil and Gas exploration, Marine Drilling technology, Exploration and production Logistics, Pipeline Engineering Construction and Operations, Petroleum Geology, Petroleum Geophysics, Drilling Technology, Petro-physics, Oil and Gas Production Technology, Petroleum Management and Economics, Reservoir Engineering, Petroleum / Oil and Gas Finance and Contracts or Agreements etc.



As a graduate from CPE Academy on any of these technical professional courses, there is some assurance for job opportunities in any of the following current projects going on in Cameroon in addition to the old industrial, oil and gas, and petroleum companies/projects existing before.

SN	PROJECT DESCRIPTION
1	Project of Cobalt-Nickel-Manganese
2	Project of extension of the Edea aluminum Industry
3	Hydroelectric Project of Lom Pangar
4	Project of exploitation of Mbalam iron ore
5	Project of Kribi aluminum Industry (first phase)
6	Project of the Kribi deep water ports construction and operations.
7	Hydroelectric power project of Memve ele
8	Project of motorway construction of Yaoundé- Douala
9	Project of 2 nd bridge construction over the Wouri river in Douala
10	Project of the central gas heat of Kribi
11	Project of expansion/modernization of the Oil Refinery of Limbe (SONARA)

12	Project for cement factories -DANGOTE, CIMAF, GPC etc
13	Exploitation project of Minim-Martap and Ngaoundal bauxite
14	Deep-water port of Limbe construction and operation.
15	Diamond exploitation project of Mobilong
16	Construction of a plant for liquefying natural gas in Kribi
17	The construction and operation of a modern Oil Refinery in Kribi
18	The construction of Bakassi to Loum Road
19	The construction of Limbe to Bamenda fuel pipeline and operation. 284 Km
20	The construction of Limbe Yaounde fuel pipeline and operation- 377Km
21	The construction of Limbe Meselele SCDP station
22	The construction of Menchum Hydroelectrical Power Generation station
23	The Herakle Farms palm plantation project construction and management.
24	The Bakassi Oil Field drilling projects
25	The Existing Oil fields drilling and construction projects.
26	Chad - Cameroon pipeline deviation at Lom pangar
27	The Zina and Makari Oil fields drilling project in the Far North Region
28	The Kumba Mamfe road construction project.

HIGHLIGHTS ON PETROLEUM & INDUSTRIAL TRAINING PROGRAMS.

PETROLEUM MANAGEMENT, ECONOMICS AND FINANCE.

Cash Flow Components and Economic Indicators, Upstream Petroleum Economics, Midstream and Downstream Petroleum Economics, Managing and Mitigating Uncertainty and Risk, Sensitivities, Simulations and Decision Analysis, Valuing Petroleum Assets, Portfolios and Companies, Administration, PR, Security and Materials, Human Resources (HR) and Training Development

PIPELINE ENGINEERING, CONSTRUCTION AND OPERATIONS.

Introduction to Pipeline Engineering. Material Selection and Corrosion Control. Pipeline Design, Installation and Construction. Pipeline Hydraulic Analysis. Defect Assessment on Pipelines. Pipeline Integrity: Maintenance, Inspection and Risk Assessment.

EXPLORATION AND PRODUCTION LOGISTICS.

Introducing Logistics in Exploration and Production. Procurement, Purchasing, Inventory and Stock. Managing the Warehousing Function. Receiving Goods,

O&G Materials and Asset Management. Managing the Transportation Function. International Trade, Environment and other Management Issues.

ROUGHNECKS

IADC Rig PASS, Drilling calculation and Rig Mathematics, Safety Drilling Operation, Drilling practices/ Equipment, Rig Maintenance (Electrical), Rig Maintenance (Mechanical), Rig Inspection, Rig Testing/ Acceptance, Rig English

MARINE DRILLING.

Background to Marine Drilling, Mobile Marine Drilling Rigs, Drilling Rig Components, Marine Drilling Systems, Mobile Rig Station Keeping and Blow Out Preventer Systems, Field Development Case Studies and Advanced Drilling Approaches

OIL AND GAS TECHNOLOGY.

Introducing Oil and Gas - Overview and Industry Segments
Finding Oil and Gas - Reservoir Characteristics and Exploration
Extracting and Processing Oil and Gas - Drilling, Production and Optimizing Recovery, Oil Refining and Gas Treatment -Refining, Storage and Transportation, Selling Oil and Gas - Markets, Trading, Risk, Margins and Stocks, Managing Oil and Gas - Risks, Opportunities, Organizations and the Future

FUNDAMENTALS OF SUBSEA ENGINEERING

Introduction to Subsea Production, Wellheads, Xmas Trees and Manifolds, Pipelines, Flowlines and Risers, Control Systems, Umbilicals and Equipment Costs, Reliability, Maintenance and New Technologies, Subsea Developments: Context and Case Studies

OIL AND GAS AGREEMENTS OR CONTRACTS.

Seeking an Authorization, Joint Operating Agreements, Drilling Contracts, Farm-Out, Agreements and Sale and, Purchase of Interest Agreements, Unitization Agreements, Crude Oil Sale Agreements.

PETROLEUM GEOLOGY, PETROLEUM GEOPHYSICS, DRILLING ENGINEERING, PETROPHYSICS, PRODUCTION TECHNOLOGY, RESERVOIR ENGINEERING, PRODUCTION ENGINEERING

INDUSTRIAL / PETROLEUM WELDING

MATERIAL & CODES/STANDARD & WELDING AND INSPECTION. NDT Inspection. Welding. Materials. Codes and Standards. Piping Engineering & pipeline

HEALTH, SAFETY AND ENVIRONMENT (HSE)

Fire Prevention and Fighting. Environment. Health and Safety . RCA & Reporting. Defensive Driving

FUNDAMENTALS OF PETROLEUM ENGINEERING.

Petroleum Geology and Exploration Methods Explaining key principles of petroleum geology and analyzing different exploration methods for oil and gas accumulations.

Reservoir Rock and Fluid Properties This module presents the different properties of reservoir rocks and their contained fluids along with the methods used to determine these properties.

Fluid Flow in Porous Media and Reservoir Simulation After defining the essentials of petroleum reservoir engineering, this module explains the governing equations of fluid flow in porous media, production flow rate and well productivity, before examining the processes involved in reservoir simulation.

Drilling Operations and Formation Evaluation As the petroleum flows up to the surface through a drilled well; the formation has to be appraised for potential oil and gas recovery. This module studies well drilling and formation evaluation techniques.

Integrated Production Systems and Surface Facilities This module introduces the components of a production system plus related surface facilities and different processing operations.

Oil Recovery Processes Most reservoirs initially start to produce by natural forces but will eventually require enhanced methods to continue production. This module presents three main types of oil recovery processes plus artificial lift methods.

CPE Academy runs its life on a modern flexible and adoptable operational plan, and an appropriate management and organizational platforms that will move and create a solid sustainable base for the functioning of NEMA Cameroon.

CPE Academy FOUNDER'S PROFILE.

Experience:

Seven years of Multi-Service Providing for On/Offshore Industrial, Oil and Gas, and Petroleum Operations.

Six years of Microfinance and Rural Development.



Educational Background:

Project Management ongoing.

Bachelor of Business Administration.

GCE Advance Level Commercial.

GCE Ordinary Level Commercial.

Training Seminars on Microfinance.

Skills and Competence:

Personal skills and competence.

Social skills and competence.

Organizational skills and competence.

Technical skills and competence.

Artistic skills and competence.