



PETRO NILE ACADEMY





PROFORMA



Organization Name

PetroNile Academy



Level of Action

International



Address

Khartoum, Sudan



Organization Status

Social Enterprise in
Energy Sector



Established in

October 2020



Legal Status

Registered in the Humanitarian
Aid Commission HAC

OUR MOTTO

The real energy is not within the earth but is actually within the brains of men and women who extract it.





VISION

Preparing a young competent generation of professionals with a strong background, integrated knowledge, and attainment of the new technologies to take on the current challenges of the industry.



MISSION

Encourage students and young professionals to expand their horizons with extensive technical knowledge and strengthen their networking by providing them with volunteer and internship opportunities and increasing the overlap between academia and industry.



ABOUT US



PetroNile is an educational platform in the energy sector, dedicated to cultivating a new generation of professionals equipped with comprehensive knowledge and advanced technological skills. We offer students and young professionals the opportunity to become a part of the energy industry by connecting them to a professional technical hand. Our courses and events are designed to equip learners with the skills and knowledge to safely and efficiently explore, develop, produce, transport, and manage energy resources. We collaborate with experts from leading industry and academic institutions to deliver high-quality education and training.

Our expansive educational portfolio includes a wide range of specialized programs, including e-learning courses, professional development workshops, and training in renewable energy, oil and gas exploration, and environmental sustainability.

Members of The PetroNile Academy are knowledge seekers who are passionate about learning and strive to keep a step ahead of their peers/ competition.



Why PetroNile



- **Industry-Relevant Curriculum:** Our courses are designed in collaboration with energy sector leaders to ensure they reflect the latest industry standards and practices.
- **Commitment to Sustainability:** By focusing on low-carbon energy education, we're preparing professionals to lead the transition to a greener future.
- **Expert Instructors:** Learn from professionals who have real-world experience in the industry.
- **Global Network:** Connect with a community of peers and industry leaders through our global partnerships.
- **Hands-On Experience:** Gain practical skills through workshops and projects that can be applied in the field.
- **Career Advancement:** Our programs are designed to enhance employability and prepare you for a successful career in the energy sector.



From the Founder's Desk



Competition has forced professionals around the globe to update their skills frequently, but time remains the most critical factor when selecting a training program. As long as you have access to the internet, you can access your training anywhere using a computer, laptop, or phone.

PetroNile Academy has been established to provide flexibility and aids in making the task of arranging development opportunities far easier. The purpose of the academy is to build confidence among the students by delivering insightful technical sessions and engaging them in the latest technology used in the energy industry. Remember that there is always time for everything, so start from where you are and use your energy to do what you can.

WHAT WE DO



Training courses for young professionals



Oil and gas



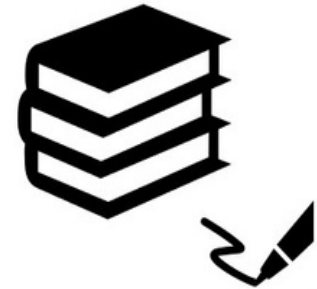
Improve professionals skills



International network



Qualifid experts



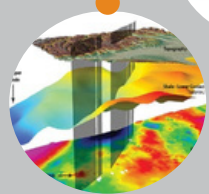
Access to knowledge

We offer students

Webinars

Courses

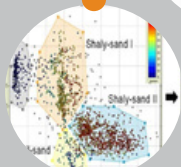
Focus Area



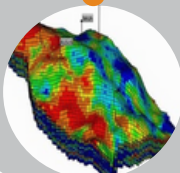
Petroleum Geology



Applied Geophysics for hydrocarbon extraction



Petrophysics & Rockphysics



Reservoir simulation



Drilling



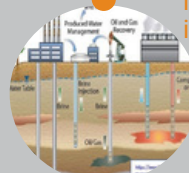
Project Management



Production technology



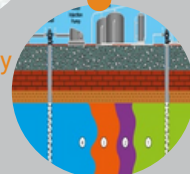
Health, Safety, and Environment



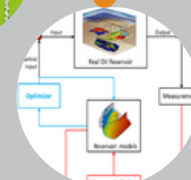
Sustainable GeoEnergy



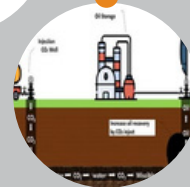
New technology in Oil industry



EOR



Reservoir management



CO2 Capture

Our Team



Yasser Omer

Founder & Board Director

Yasser is the founder and managing director of Nile Educational Organisation (NEG), a social enterprise that aims to provide quality education in various fields through its three branches: PetroNile, EcoNile, and TechNile. Yasser has a background in geoscience and has worked for over eight years in the energy sector. He has advanced his career from an intern geologist at Sudan National Petroleum Company to a geological operations supervisor at 2B Petroleum Operating Company. Yasser's vision for NEG is to create a platform that empowers learners to pursue their passions and careers in the fields of energy, environment, and technology. His mission is to provide accessible, affordable, and quality education and training for learners across the globe, especially in developing countries

Abdelrahman Fouad is the vice president of DucNile Educational Organization and CEO of PetroNile Academy. His main profession is a drilling engineer since he firstly indulged into the industry. Abdelrahman was a drilling engineer at SUDAPET co. Ltd., the National Oil Company of Sudan. He was also the leader of the young professionals aspiring to establish data science applications in SUDAPET. He is a certified Data Analyst from UDACITY and aspiring Data Scientist.



Abdelrahman Fouad

CEO Executive Director



Alessandro Cesare Bruno is a petroleum geologist and PHD student at Ensenada Center for scientific Research and Higher Education , Alessandro is Very talented graphic designer and at the to of all he has great interest in working multicultural organizations .

Alessandro Cesare
International Relation Assistant

A very ambition graduated having a B.sc in petroleum engineering from SUST , recently Saadia become a teacher assistant at department of petroleum and natural gas engineering- Khartoum University , Saadia interest in data since and reservoir simulation at the top of all Saadia is very talented graphic designer.



Saadia Mohamed
Graphic Designer Assistant



A passionate graduate having Honer B.sc in petroleum engineering from Sudan university of science and technology ,and recently teaching assistant at UOK ,the area of interest in volunteering work, learn languages and programing.

Nosiba Mohammed
Social Media Assistant



Is Petroleum Engineer in SUDAPET Oil and Gas Ltd. Mohammed used to work as Teaching Assistant in Department of Petroleum and Natural Gas Engineering - Khartoum University.

Mohammed Ali Saeed
Publication Assistant

PNA Awards

PetroNile participated in Youth World Cup (YWC) organized by Global Peace Chain (GPC) in Turkey 2021.

The YWC was an attempt to acknowledge the contributions of youth towards Sustainable Development Goals.

The academy won the Youth World Cup under the category of peace by education.



Our Impact

WEBINAR ON
Integrated Petrophysical Evaluation



**RESERVE CLASSIFICATION
AND ESTIMATION**

Embrace The Change

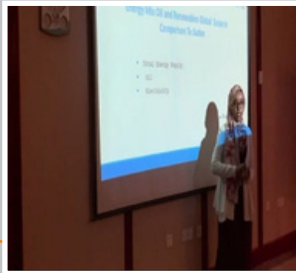


**Basics of
Petroleum
Geomechanics**

WEBINAR ON
**Energy Transition Challenges & The
Future of Oil & Gas Industry**



WEBINAR ON
Introduction to Reservoir Simulation



Global Partnerships for Sustainable Education



EAGE
STUDENT CHAPTER - UNAL BOGOTÁ

Our collaboration with EAGE Bogota University, featured a duo of enlightening webinars. The first session delved into the basics of petroleum geomechanics, offering participants a vital grounding in concepts pivotal for both reservoir management and drilling operations. The second webinar, titled “To What Extent GIS Can Change Our Perception,” showcased the transformative capabilities of Geographic Information Systems (GIS) in revolutionizing our approach to and handling of spatial data. These webinars collectively aimed to broaden perspectives and enhance expertise in these critical areas of the energy sector.



Through our partnership with the EAGE University of Marseille, we have expanded our educational outreach by delivering a specialized webinar on Wireline logging delivered by Mr. Dawood Hussain, General Manager of Dynamic International. This webinar was part of our curriculum focused on oil and gas and offered a blend of academic theory and practical insights.



In collaboration with Aljoub Oil Service Company, we initiated an expansive internship program in the oil and gas sector, unparalleled in its scope. This program encompasses a comprehensive suite of courses, including QHSE at the Rigsite, Drilling Fluid Laboratories, both Introductory and Advanced Drilling Technologies, Solid Control Equipment Technology, and Drilling Reporting. Each course was designed to reinforce our commitment to hands-on, practical training.



In collaboration with the Petroleum Engineers Association, PetroNile delivered a webinar on the Organic Oil Recovery process as a proven and optimizes enhanced oil recovery technology that optimizes reservoir performance and recovery rates.



Through a partnership with Mr. Safety for training and consultations, we deliver a series of monthly workshops focusing on Quality, Health, Safety, and Environment (QHSE). Our initiative is part of a broader commitment to promote safety and sustainability in the workplace. Each month, we explore different themes within QHSE, led by experts in the field. Our goal is to foster a culture of continuous improvement and risk management, ensuring that safety and quality are at the forefront of professional practices.



PetroNile proudly offered the course "Seismic Data Processing," a comprehensive program conducted in partnership with the SEG Women's Network, Algeria. This collaboration brought forth an educational experience that combined theoretical knowledge with practical applications in seismic data analysis, catering to professionals eager to advance in the geophysical field.



In a collaborative effort with the SPE Al-Azhar University Student Chapter, PetroNile successfully hosted an informative webinar centered on the theme of "Reserve Classification and Estimation." This session was designed to provide a thorough understanding of the methodologies and frameworks used in the categorization and calculation of reserves within the energy sector. The webinar aimed to enhance the knowledge base of participants, equipping them with the necessary tools for accurate reserve estimation and effective resource management.



In partnership with Skolar Gate, PetroNile has enriched its educational offerings by conducting a series of three webinars. The first session offered an insightful introduction to Mud Engineering, laying the groundwork for expertise in drilling fluid technologies. The second webinar focused on QHSE within the Oil and Gas Industry, emphasizing the critical importance of maintaining quality, health, safety, and environmental standards in energy operations. The final one presented an Introduction to Engineering Project Management in Oil and Gas, providing insights into the strategic execution of industry projects. These webinars are a testament to PetroNile's dedication to imparting relevant industry knowledge and cultivating a standard of excellence within the energy sector.



PetroNile, in collaboration with Edvantage India, hosted an informative webinar on "Seismic Exploration Methods," conducted by Mr. Zareef. The comprehensive session covered a range of topics, including Seismic Exploration Techniques, Data Acquisition, Data Processing, and Data Interpretation, providing attendees with a thorough understanding of the subject.



PetroNile, in partnership with the Society of Petroleum Engineers-SUDAN Section, hosted an enlightening webinar titled "Introduction to Directional Drilling," led by Mr. Magdi Elnorani of ITQAAN SOLUTIONS. The session delved into the strategic reasons for employing directional drilling, designing the trajectory, and the techniques for measurement while drilling.

Testimonial



CHABANE ABDELHAKIM

Drilling Fluids Specialist III

PetroNile Academy stands out for its dedication to creating a top-tier educational environment, focusing on developing leaders, not just students. With a rigorous, current curriculum, it prepares students with essential technical and soft skills for the oil and gas industry. The experienced instructors offer real-world insights, making PetroNile an ideal choice for those aiming to excel in this field. The academy's commitment to nurturing talent is inspirational, positioning it as a catalyst for shaping future industry leaders.



Musa Mina

Lecturer, Gezira University

PetroNile Academy, in partnership with experts, delivers high-quality education in earth sciences through well-designed curricula and engaging methods. It offers a broad range of online courses, including geology, petroleum engineering, and environmental science, accessible from anywhere. Additionally, the Academy hosts offline courses and events, like the notable visit to the University of Gezira's Earth Sciences Department, to enhance learning and provide networking opportunities within the geoscience community.



Zaki Aldeen Suliman

Environmental engineer

PetroNile Academy was a game-changer for my career. The knowledge and skills I gained in QHSE have been invaluable in my role as an environmental engineer. The instructors are very knowledgeable and engaging; they are industry leaders who understand what it takes to succeed. The content was not only educational but also practically applicable to professional work. Overall, the experience was highly valued, and the academy is recommended for those seeking quality training.



Ahmed Mohammed

Geologist

The e-learning platform provided by PetroNile allowed me to continue my education in oil and gas during the lockdown. The flexibility and depth of the courses were impressive, and the interactive sessions were highly engaging, allowing me to communicate with individuals who have extensive experience in the oil and gas industry, as well as develop communication methods, obtain information and resources, and identify prominent institutions in the field.



The UN SDGs

In alignment with the 2030 Agenda for Sustainable Development, PetroNile has embraced the Sustainable Development Goals (SDGs) as a catalyst for our ongoing efforts to empower students with the knowledge and skills necessary to thrive in the energy sector.



SDG 4 (Quality Education): By offering an e-learning platform and forming partnerships with universities worldwide, PetroNile is enhancing educational opportunities and fostering lifelong learning. PetroNile's global reach is significantly enhanced through collaborations with esteemed universities in Marseille, Bogota, and Texas, as well as through joint efforts across India, Arab nations, and Africa. Our collaboration with Aljoub Oil Service Company and Mr. Safety Training & Consultation further extends our impact, embodying our commitment to hands-on experience. Our initiatives are designed to provide a quality education that is inclusive and equitable, preparing students for the challenges of tomorrow.

SDG 8 (Decent Work and Economic Growth): PetroNile's dedication to fostering the next generation of energy sector professionals is showcased through our comprehensive training programmes at the Oil Exploration and Production Authority (OEPA) in Sudan. Also, through our mentorship programme and job readiness initiatives, PetroNile is promoting sustained, inclusive economic growth, full and productive employment, and decent work for all. We are equipping students with the skills needed to thrive in a dynamic job market.

SDG 12 (Responsible Consumption and Production): PetroNile's dedication to quality, health, safety, and environmental consciousness was prominently displayed at the inaugural Sudanese Conference on QHSE, which we proudly hosted in 2021, where we addressed industry risks and advocated for effective mitigation strategies. Our commitment to QHSE awareness aligns with ensuring sustainable consumption and production patterns.

SDG 7/SDG 13 (Climate Action): PetroNile's focus on geological CO2 storage, hydrogen technologies, and geothermal energy supports the goal of taking urgent action to combat climate change and its impacts. We are committed to teaching students about sustainable energy solutions. We have actively engaged in educational outreach, such as school visits to Gezira and Shendi universities in Sudan, to enlighten students about renewable energies and the pivotal role of geoscientists in climate action.

As a proactive member of the energy community, PetroNile is committed to contributing to the achievement of SDGs 4, 7, 8, 12, 13, and 17, focusing on **quality education, energy access, economic growth, responsible consumption and production, climate action, and partnerships for the goals.**

