



# MANPOWER CAPACITY TRAINING/EMPLOYMENT PROGRAMME

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## GRADUATE/PROFESSIONAL CAREERS

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**Syntechsystm**  
**PURSUE IT, DRIVE IT, HAVE IT**

The Pace of Your Career and Professional Developments in your Hands

**Enrol at the SynTeXAcad Training and Employment Programme**

Locations: Global Presence;  
United States, Nigeria, Europe,  
Africa and United Kingdom

 **Syntechsystm**

RC NO: 474550

**The World of Syntechsystm**  
...A world of solutions

## TECHNICAL AND PROFESSIONAL ROLES

When it comes to technology excellence and project management, our reputation is second to none. For Syntechsyst, innovative solution is a way of life driven by great minds and smart teams consisting of talented researchers, scientists, engineers, business executives, project managers and professionals keeping the nucleus of novel technologies invading the industry with a world of solutions in Global Sectors where Syntechsyst do Business.

At the nucleus of our culture is a structured approach to technical excellence and professional management. The **Syntechsyst Research Academy** through the SynteXAcad programme provides one such path to career and professional excellence. SynteXAcad provides amateurs and genius working on Syntechsyst novel catalyst projects, you discover a first class career and professional development programme which imbibe learning, training, experience, coaching, mentoring, certification and professional growth opportunities. Syntechsyst technology initiatives operate along similar lines with other technology giants providing technical prospects in the petroleum, process, energy, environmental and engineering industry. At Syntechsyst it is sheer diversity of the opportunities and projects that allows us offer an unparalleled spectrum of technical and professional roles, training opportunities and global careers in the Industry.

### Geology/Geophysics

Enroll for SynteXAcad training in this area and join the Novel Catalyst Team for providing the technology solutions and project management services for exploring, discovering new and commercial viable reserves of Oil and Gas, as well as developing and maximizing the output of existing fields. After your training, you should be able to provide discipline responsibilities in the following areas

- Acquiring 3D seismic data
- Creating advanced geological models
- Defining Reservoir Properties
- Planning Well Developments

### Petrophysics

At SynteXAcad we recognize that critical at every stage from first upstream exploration to full production, petro physicists acquire and evaluate well data that assists oil and gas operators construct reservoir models and then predict the potential flow. More specifically after training you should be able to:

- Design data acquisition programmes
- Measure reservoir volumes
- Access Potential oil and gas yields
- Liaise with geologists and engineers

## **Reservoir and Petroleum Engineering**

Enrolling at SynteXAcad training programme would afford you a detailed understanding of how oil, gas and water are distributed within the reservoir. This entails transforming petro physical and geological data into dynamic models. SynteXAcad training provides you knowledge and practice within the following frameworks

- Developing economically viable plans
- Using multi-cell simulation techniques
- Triangular Grid Techniques
- Modeling and Simulation of Complex Reservoirs
- Decline Curve Analysis and Methods
- Well Placements and Reservoir Flow Management
- Computer Applications in Reservoir Simulation
- Reserve Estimation and Stimulation Techniques

## **Well Engineering**

The SynteXAcad training, coaching, mentorship and practice programme would deliver into your hands the tools to design safe construction and maintenance of Oil and Gas Wells. The SynteXAcad mentorship and practice programme would provide you an opportunity to find best technical, commercial and engineering solution to recover hydrocarbons. You would have opportunity to be integrated with a Novel Catalyst Teams in:

- Field Development and Well Design
- Well Construction and Maintenance
- Sub-Surface data gathering
- Safety and Environmental Management

## **Production Engineering**

The SynteXAcad training and practice programme would ensure you see the full cycle of Field Development from conceptual design through production and eventual abandonment. The SynteXAcad practice programme allows you to be integrated with a Novel Catalyst Project for managing day to day operations of our Clients and you would be involved in:

- Field Development Planning
- Well and Platform Operations
- Managing Safety and Environmental issues
- Optimizing Performance

## **Production Technology**

The SynteXAcad training and practice programme affords you opportunity to work in a secured environment with a team of geoscientists and petroleum engineers, you'll be involved in the full life cycle of field development-facing different technical challenges depending on geographic location and field

maturity programmes. The practice programme affords you an opportunity to work with:

- Well Production Improvements
- Field Monitoring and Flow Optimization
- Conceptual Design of Development Wells
- New Technology Development and Implementation

## **Process Engineering**

SynteXAcad training and practice provide you the opportunity to support Production Onshore, Offshore and Deep Offshore activities. At Syntechsys through our team in the Novel Catalyst Programme we support our clients in gas, refinery, petroleum upstream and downstream chemical technologies. SynteXAcad practice and mentorship programme affords you the opportunity

- Ensure the Technical Integrity of Plants
- Advising on Process Safety Issues
- Commissioning New Installations
- Process Re-Engineering and Nano-Processes
- Laboratory Data Analysis
- Handling Process Control and Optimization

## **Asset Maintenance Engineering**

At SynteXAcad a unique training and practice programme affords you to join a Novel Catalyst Team which provides critical engineering support to Oil and Gas production facilities-Onshore and Offshore as well as refineries and Chemical Plants. Our Practice Coaching and Opportunities includes:

- Maintaining Asset and HSE Integrity
- Technical Trouble Shooting and Reliability Engineering
- Remote Operations Monitoring
- New Plant Design and Construction
- Budget Planning and Contract Negotiation
- Overhaul Management
- Pipeline Asset Management

## **Project/Facilities Engineering**

SynteXAcad Training and Practice programme affords you an opportunity to design and commission all surface installations and infrastructure. You would be involved with a coaching programme that allows you spectrum of competence to cover cost, health & safety, scheduling and quality control

- Managing Complex Interdisciplinary engineering Projects
- Selecting and supervising contractors
- Creating designs and new facilities
- Developing environmental and safety strategies

## **Discipline Engineering**

SynteXAcad training and practice programme affords you flexibility of practicing skilled professional engineering from a wide range of technical, civil, chemical, petroleum, mechanical, materials, corrosion and process control engineering. The SynteXAcad coaching programme allows you to have requisite skill and contribute to

- Designing, building and maintaining onshore and offshore facilities
- Ensuring safe, reliable and environmentally responsible operations
- Representing in professional technical institutions and conferences

## **Product/Process Research**

SynteXAcad training programme affords you participation in Syntechs world class research and innovative technology programmes and ensuring they are applied to new processing methods and product development. You can now meet technical challenges by

- Researching and Developing New Technologies
- Creating High Performance Processes and Chemicals
- Exploring Sustainable Energy Technologies
- Collaborating of Novel Technology Products

## **Eleaktra Software Collaboration**

Eleaktra Software Studio is Syntechs innovative technology for pipeline and process systems management integrating leak detection, pipeline integrity management, environmental spill analysis and protection, inventory monitoring, controls and safety

- Eleaktra system technology
- Leak detection management
- Leak detection control
- Acoustic emission leak control
- Process systems automation
- Risk and safety management
- Remote operations systems capability
- Smart well monitoring system
- Subsea pipeline monitoring system
- Computer assisted operations
- Safe refuge operations
- Pipeline surveillance and intelligence monitoring
- Process intelligence and expert systems

## **Why Enroll at the SynteXAcad Training and Employment Programme?**

### **A Win-Win Partnership**

Together, you and SynteXAcad can achieve great things. SynteXAcad partnership approach from graduate to professional training ensures you will have



a chance to fulfill your potential and achieve your career aspirations while you benefit from your new-found knowledge and experience.

### **A Supportive Culture**

SynteXAcad aims to strike the perfect balance of structural support and professional freedom. SynteXAcad practice programme offers you assistance in pursuing your personal career programme in a responsible way. Your opinion is always respected and your contribution valued.

### **A Career Platform**

SynteXAcad Programme believes the scope of your personal and career development alternatives is unraveled. The SynteXAcad training and practice programme offers you flexible career paths on and off-the job training and a continuous learning culture. We support your training and development that gives you a competitive edge and best possible range of options.

### **A Global Business**

SynteXAcad supports young engineers, scientist, business graduates, entrepreneurs and professionals through our VIP cosmopolitan programme with possibilities for overseas postings and international project work. The SynteXAcad programme allows you opportunity to work with our Integral Novel Catalyst team supporting Syntechsyst projects globally.

### **A Fabulous Package**

In which ever Industry sector you find yourself in the Industry SynteXAcad programme offers you both financial and career benefits, whether as self employed or a practicing professional through improve personal performance, skill and productivity.

## **HOW TO APPLY IN THE SYNTEXACAD PROGRAMME**

Three alternative paths in SynteXacad programme can lead you to rewarding, flexible and fulfilling career opportunity. You would be required to select which route suites you.

To get started, simply complete our Application form and attach your full resume. The form is designed to highlight your qualities and strengths in key areas. At the same time you'll b asked to complete a short pre-registration survey and a questionnaire.



## **OPTION A: NATIONAL LOCAL CONTENT DEVELOPMENT PROGRAMME**

Based on the recommendation/sponsorship of your National Local Content Partner or State Government you can get integrated into our SynteXAcad Training and Practice Programme. SynteXAcad is aware that maintaining balance community programs that integrates profitability and quality should be based on ISO requirements and sustainability for national development. Preservation of the community and business environment ensures not only your community sustainability but win-win partnership for your career in a competitive market.

SynteXAcad partnership with National/State Local Content monitoring agencies contributes to community programs through manpower capacity development intervention, rehabilitation and re-integration models that benefit all stakeholders. SynteXAcad integration of the National local content policy where Syntechsyst operates ensures active participation of the local stakeholders.

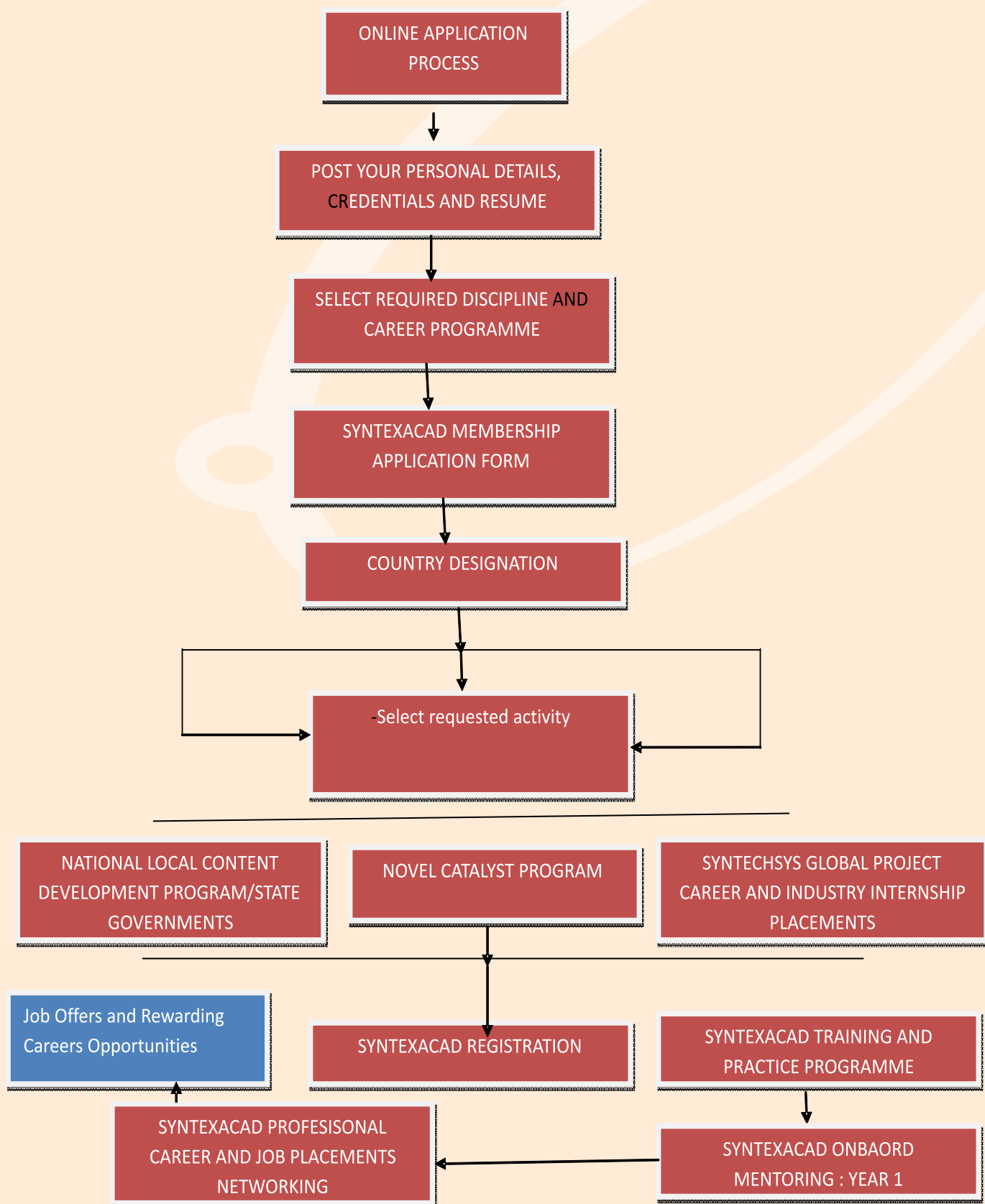
SynteXAcad integrates national oil Companies, regulators, communities, states agencies, client's Staff guided by principle of the national content development requirements. We have successfully demonstrated this model in some of our projects in Nigeria, Europe and the United States.

## **OPTION B: NOVEL CATALYST PROGRAMME**

The Novel Catalyst program is a process that discovers and incorporates highly vetted group of professionals, business systems, researchers, vendors, service companies, clients, university Faculties, innovators, inventors and business owners who have relevant experience but are seeking opportunities using our SynteXAcad programme to expand horizon in World Class innovation process, technology commercialization and entrepreneurship in Research and Development Efforts are achieved at an optimal rate and catalyst time. The Novel Catalyst Programme provides the source codes relevant to expand the innovation process and world class products. As smart catalyst you can integrate with a global process that provides opportunities and a platform to expand your career opportunities and innovation reach that continually evolves define by our business reference objectives but remains inert in the innovation process. The goal of the novel catalyst Program is to ensure that global objectives that are met with world class solutions at breakthrough cost and profitability that meets the best industry standards.

## **OPTION C: SYNTECHSYS JOB PLACEMENTS AND INTERNSHIP:**

Syntechsyst team would study your application carefully and invite you for an Interview, you'll be able to demonstrate your potential and discover new ways to fulfill your career aspirations. Syntechsyst would then offer successful applicants a chance to gain direct experience of Syntechsyst World Class Projects and Technology Development Programmes





SYNTEXACAD COURSES:  
**INTRODUCTION (BASIC TRAINING)**

**5 Days**

TECHNOLOGY LAUNCH OF SOFTWARE  
+  
TRAINING FOR THE NIGERIAN CONTENT

**1.HSE (Who should attend)**

- Health and Safety Advisers
- Community Development Representatives
- Security, Quality and Environmental Advisers
- Engineers, Asset Facility Operators
- HR, Admin, Personnel, Lawyers
- Senoir Managers responsible for QHSE & Local Content providers

**2. INTRODUCTION TO E&P (Who should attend)**

- Petroleum Engineers
- Geologists/Geoscientists
- Drilling Superintendants
- Reservoir Engineers
- Senior, Middle and Junior Managers
- Project Managers/Engineers
- Hydrocarbon Accountants

**3. PETROLEUM ECONOMICS (Who should attend)**

- Hydrocarbon Accountants
- Economics& Financial Experts
- Lawyers
- Oil and Gas Policy Makers
- Oil and Gas Regulators
- Oil and Gas Managers
- Engineers (Senoir & Junior)
- Petroleum Policy Analysts

**4. INTRODUCTION TO SUBSEA ENGINEERING (Who Should Attend)**

- Project Engineers & Managers for Deepwater
- Marne, Mechanical, Structural Engineers
- Deepwater Asset Holders
- Deepwater Policy Makers
- Senoir Managers for Deepwater Projects/Assets

## 5. INTRODUCTION TO ELEAKTRA SOFTWARE BASIS (Who should attend)

- Pipeline Engineers
- I.T System Engineers
- Process Engineers
- Pipeline Asset Holders
- Pipeline Asset Regulators
- Process/Facilities Engineers
- Oil and Gas Surface Engineers

## SYNTEXACAD BENCHMARK FOR MEMBERSHIP PARTNERHSIP: WHAT WE LOOK FOR

It will be helpful for you to understand the benchmark against which we'll assess your participation: Read more on our Novel Catalyst Partnership Programme

Training Providers are experts renowned globally with over 30 years experience each

### **Benefits**

CD Rom of Lecture Notes

CD Rom of Software Basics (trial version)

International and Local Certification

Textbooks

NCDMB Endorsement (Local Content Endorsement)





## In the World of Syntechsystm....

- q We Innovate Great Ideas,
- q We develop Novel Technologies,
- q We deploy Smart Solutions,
- q We manage Good Success,
- q We win strong partnerships
- q We create good value
- q We deliver results that matters
- q We reward all stakeholders



In our 3-G Stability Matrix cum, smart portal@ Novel Catalyst our World:  
“Sustains”, “Profits” and “Grows”

SYNTECHSYS GLOBAL NETWORK INC





...A world of solutions



Staff Employment and Job Openings  
At Syntechsystm we emphasize partnership and  
team work because we believe you can be  
the extension of our team.....  
Smart Team, Smart Technologies.  
Join the Team of Professionals



**Do you want to keep the Fire of Technology Burning?**

Syntechsystm is an International Company with a Team of Professionals  
providing smart solutions for energy and process companies worldwide.  
We are in the Business of Mind, Technology Systems.  
Lift up your career to the Next Level

Forward Your Application and Resume, including copies of your educational, professional and work experience certificates and testimonials to:

**The Human Resource Director**

**LOCATION: INTERNATIONAL STAFF OPENINGS**

Professional Recruitment should forward to this email

Email: syntechsysworld@gmail.com

**1. Graduate Trainees Recruitment should forward to this email**

Email: syntechsysworld@gmail.com

For other Inquiries: Call: 234-08033416316

Only shortlisted candidates would be contacted. Indicate the Job vacancy and reference No of the job you are applying to on your resume and application letter which should be forwarded by email using your personal email address. Paper submission or submission by proxy automatically disqualifies the applicants. Your application codes and password shall be submitted to your personal email.

**N.B:** Your resume must contain a contact address, phone and email, we can reach you. Shortlisted Candidates would be forwarded an application Code ID and Passwords to enable the shortlisted candidate to complete their process of applications and interview through our intranet e-process for further screening and testing. The second stage of interview should provide a limited level of successful applicants for a Phone Interview. We would not keep your data more than is required except you elect otherwise to enable keep a track of your data for possible future employments. Syntechsys is an equal opportunity employer and we do everything possible to limit discriminations because of race, pre-existing conditions and gender. We are open to the opportunities you are proposing that would help us open new vistas that help us evaluate your potentials to assist us meet the challenges of providing services in the oil and gas industry.

**The Recruitment Manager**

SYNTECHSYS GLOBAL NETWORK INC.

Email: syntexacad@gmail.com

**Please note the following:**

1. Access to website and application is free of charge
2. Multiple applications in whatever format automatically disqualifies the candidate
3. All prospective candidates should forward their applications through our intranet process should have attached to the application a photo and copy of



National ID, International Passport or Drivers License of the Candidate applying for the posts: for professional recruitment and for graduate trainee recruitment

4. Remuneration Package is attractive but competitive. Consult your Lawyer on your Immigration Status and Work permit
5. Experienced Professionals are to indicate Job reference Indicator and Submit their Experienced Report
6. Recruitment shall be subcontracted to a recruiting agency and Job Interviews would be done through an Internet Intranet Service with Webcam Resources
7. All application closes 31st of December 2014. Only shortlisted candidates would be contacted

### **Management Cadre**

Remuneration shall have Housing, Medical, Car and Hazard Benefits

### **Experience Professional**

Experience Professional employ with our service is assisted with a Personal Guaranty car loan through a financial. Housing Loan up deducted from salary at an acceptable depreciation.

### **Graduate Trainee Intern**

Undergo a Training programme for 1 year using our SynteXAcad Research resources. On confirmation would get all benefits as a full employee. Also applicants are encouraged to participate in our SynteXAcad training program for graduate trainee on the following Schedules:



Dates	Training Topic	Course Content	Instructor/ Consultant	Time Schedule	Signature
2014/2015 DAY 1	Process Design 1: HYSIS Basics Design Concept/Selecti on	Simulation Software Tools: Energy and Material Balance Pipeline Design Fundamentals Costing	Pending	9-12pm	
2014/2015 DAY 2	HSE Basics	HSE Essentials in Oil and Gas Design and Operations	Pending	3-6pm	
2014/2015 DAY 3	Pipeline Design 2: Auto Cad Design HYSIS Practice	<ol style="list-style-type: none"> <li>1. Pipeline Hydraulics Design</li> <li>2. SCADA Based Pipeline Leak Detection</li> <li>3. Compressor/ Pump Design</li> <li>4. Valve Design</li> </ol>	Pending	3-6pm	
2014/2015 DAY 4	HSE Practice	Safety: HAZOP in Design of Process Systems, Pipelines, Gas Compressor Units, Separators. Layer of Protection, Bow Tie HSE: Implementation of HSE in projects, API: Safety	Pending	3-6pm	
2014/2015 DAY 5	Oil and Gas Basics	<ul style="list-style-type: none"> <li>▪ Oil and Gas Regulations</li> <li>▪ Reservoir Management</li> <li>▪ Oil Production</li> <li>▪ Drilling Operations</li> </ul>	Pending	3-6pm	

The training would hold at Syntechnics Venue: No 4 Alhaji Kanike Close of Awolowo Rd.

Registration begins: 25<sup>th</sup> June 2014 and ends 24th December 2014

# TRAINING PROPOSAL

**Course:** SYNTEXACAD OIL AND GAS TRAINING 2014

**Client and Location:** SYNTECHSYS INTERNATIONAL LIMITED AND LAGOS

**Facilitator(s)**

**Course content:**

## **1. OIL AND GAS OVERVIEW**

- Oil and Gas Regulations
- HSE Refresher
- Oil and Gas Bidding/IOC's
- Oil and Gas Drilling Operations
- Oil and Gas Pipelines Operations
- Oil and Gas Industry Value Chain

## **2. OIL AND GAS DESIGN (BASICS)**

- Pipeline Hydraulics
- Pipeline Design
- Offshore Safety
- Project Management
- Pipeline SCADA Leak Detection

## **3. OIL AND GAS DESIGN (SPECIALIZATION)**

- Process Engineering
- Mechanical Engineering'
- Civil /Structural Engineering
- Electrical Engineering
- Instrument and Control Engineering
- Leak Engineering
- HSE Engineering Management
- Project Engineering Management
- Petroleum Economics

**Tailoring of material:** This course will be delivered using our standard material.

