



Interview with Engr. Kayode Akiode FNSE on Pipeline Design & Construction

Engr. Kayode Akiode FNSE is the Project General Manager of Total E & P. He has more than twenty years of experience in the field of engineering.

E-Newsletter: *Sir, what can you tell us about pipelines?*

Engr. Kayode: In gas facility, pipelines are designed to transport gas. The O U R for example has two above ground installations, one in Obite and another one at Rumuji. When I say above ground installation, these are control points where you can isolate or sectionalize your pipelines in case of any problem. You can shut it down and treat a section either for maintenance purpose or in case of vandalization. You can sectionalize it and make repairs or do maintenance work. At Rumuji, we have the tying point of the NOPL, from where we deliver gas to the Alaoji Power Plant. At Rumuji also, we have connection of the O U R and the GTS1 which is the pipeline taking gas from Obiafo and the rest of them going to Bonny Island. Basically, the O U R is a 45 inch diameter pipe. It is the first of its kind in Nigeria. As a matter of fact there has not been any pipeline of that size in onshore and even offshore Nigeria. The NOPL is a 24-inch diameter pipe. For the NOPL, there are two block valve stations, five rivers crosses and there is the above ground installation that is at Owaza, where we tie it into the NGC facilities and subsequently the gas will go to Alaoji.

E-Newsletter: *How do you lay pipes from land to Bonny Island?*

Engr. Kayode: It depends on the terrain you are dealing with. If



Engr. Kayode Akiode FNSE

you are on normal ground, you will weld your pipes and there after you lower it into the drain. If it is a water log area, we coat the pipes with concrete. You have to increase the weight in other for it to go down the water. For example the O U R transverses some swamp areas and as well as dry land areas. The design of it is such that at the swamp areas, you increase the weight of the pipe and at the normal ground area you don't need to coat the pipes.

E-Newsletter: *How do you surmount the challenges you face in the swampy areas?*

Engr. Kayode: Basically, you plan your schedule. In those swampy areas there are two possibilities; you can come in when it slightly dry. Some of the swamps are not twelve months in a year swampy. There are times you have them slightly dry. So you either plan your schedule and work in that time or if it is not possible and the place is swampy, you weld your pipes outside and then you roll them in after you must have reduced the water in the swamp. That is why you concrete coat it to give the pipe some weight for it to be able to go down into the swamp.

E-Newsletter: *What about the underwater laying of pipes, how do you do that?*

Engr. Kayode: For underwater laying of pipes offshore, you use pipe badges and you weld your pipes on the badge, concrete coat them and push them out. That way the weight of the pipe will make the pipes to go down the sea bed.

E-Newsletter: *Thank you sir.*



Institute of Appraisers & Cost Engineers (IACE)

Maiden Public Lecture was held on Tuesday 3rd September 2013 at Merit

House, Abuja. The theme of the lecture is "Cost Engineering in Total Cost Management of the Economy".

R-L: COREN President Engr. K. A. Ali FNSE, NSE President Engr. M. B. Shehu FNSE, Mrs. Ishaku, Minister of State Niger Delta Arc. Darius Ishaku FNIA (Special Guest of Honour), IACE Chairman Engr. Chief Giandomenico Massari FNSE, IACE Founding Chairman Engr. Otis Anyaeji FNSE (Guest Speaker).



NSE Port Harcourt Branch General Meeting/Technical Evening

The Nigerian Society of Engineers Port Harcourt Branch General Meeting/ Technical Evening was held on Thursday 29th August 2013 at the branch secretariat. A presentation titled “A Case for Performance Based Road Maintenance in Nigeria by Engr. Alozia E. Okezie MNSE, MNICE.



Engr. A. E. Okezie MNSE



Some branch members at the meeting



Inauguration of The Nigerian Society of Engineers Nnewi Branch

On Saturday 31st August 2013, the President of the Nigerian Society of Engineers Engr. M. B. Shehu FNSE, inaugurated the Nigerian Society of Engineers Nnewi Branch.

Photo:

L-R: Engr Valerie Agberagba FNSE, Engr. M. B. Shehu FNSE, Igwe K. O. N Orizu of Nnewi, Engr. Otis Anyaeji FNSE an Executive Committee member of the newly inaugurated Nnewi Branch of the Nigerian Society Engineers in a group photograph. .



The Nigerian Society of Engineers Port Harcourt Branch members at the funeral of Ma Eunice Ikubie Derefaka, mother of Engr. Mark D. Derefaka FNSE (7th from left). The branch members were led by the Vice Chairman Engr. Kombo T. Johnson (8th from left). The ceremony was held on Saturday 31st August 2013 at Ogu in Ogu/Bolo Local Government Area, Rivers State.



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NOTICE! NOTICE!! NOTICE!!!

All members of NSE PH should pay their Annual Branch Dues of N4,500 for Corporate Members and N6,500 for Fellows to UBA ACC. NO: 1000183629 (Port Harcourt Main Branch). Also pay National Annual Subscription of N9,000.00 for Corporate Members & N11,000 for Fellows directly to Main Street Bank ACC No. 6500374224 & forward all tellers to the secretariat for reconciliation. All payments should be made at the Bank