



The Nigerian Society of Engineers

PORT HARCOURT BRANCH



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Interview with Engr. Isaac Adekanye MNSE, SMIEEE on Plant/Equipment Maintenance

Engr. Isaac Adekanye MNSE, MNIEEE, SMIEEE, FNATE, MNIM, MNITAD, is an Electrical Engineer. He works with Agip Energy and Natural Resources and currently he is the Assistant Manager, Maintenance. He has been a member of the membership, publicity and engineering week committees of NSE PH Branch. He is a senior member of Institute of Electrical and Electronics Engineers and was the Nigerian Section Chair from 2000 to 2005 when it was start from the scratch and took it to a comfortable level. Before I handed over to another person in 2006 January.



Engr. Isaac Adekanye MNSE, SMIEEE

E-Newsletter: *What can you tell us about maintenance of plants and equipment as regards to engineering practice?*

Engr. Adekanye: Well in engineering, maintenance takes a prime place in every facility. Just take for an example what is happening in the country, if you take Nigeria facilities, look at our roads, look at the power sector, look at rail development, transportation, everywhere. When these projects come, you have very fantastic design, fantastic construction but if it is not properly maintained, then after a short while, it goes down. Maintenance is a culture we really need to cultivate in this country. If you go to Europe you see houses that have stayed for 200 to 300

years and you still admire them. But here, we don't maintain anything. When we build our houses or where we stay we do not maintain them. The same thing affects our plants. Some companies don't think of maintenance. They just continue to run an equipment until it breaks down. When it breaks down, then they will run around to look for a way to maintain the plant. More like gate-crashing intervention. Some times if they do not take care, they will not be able to restore that equipment and they will have to go and buy a new one which is more expensive. But if they have planned preventive maintenance then they can be sure to have a proper history of the equipment. Just like our cars, if you have a brand new car and you don't maintain it, after a short while it will break down and the engine could knock. But if you have a routine maintenance; every month you check this and check that; you maintain this and maintain that you find out that you can prolong the life of that car. The same thing is what we have in the equipment and plants. Like in the oil industry, we have a lot of equipment that runs in the plants which its more like a chain reaction; what one is doing will affect the other one in one way or the other. So if one breaks down, you can be sure that others things break down at the same time. So we have to make sure that we maintain all the equipment in proper order so that non of them will break down to affect another one that will eventually affect your output which is our production in this case.

NSE PH Branch 6TH Annual Lecture Presented By Engr. Fyne Chima Ogolo, FNSE, FNICE, (Past Chairman NSE Port Harcourt Branch 2000-2001) on 22ND September 2011 at Hotel Presidential Port Harcourt. Topic: "Indigenization of the Nigerian Construction Industry, A Sine Qua Non for the Attainment of Vision 20-2020



Engr Fyne Chima Ogolo, FNSE FNICE
Eminent Lecturer



L-R: Engr. Tele Ikuru FNSE (Dep. Gov. of Rivers State), Engr Dr. A. H. Igoni MNSE (PH Branch Chairman), Mrs. Igoni, Engr. Ogolo FNSE, Mrs.Ogolo & Engr. Prof. H. I. Hart FNSE



Engr. Chief & Barr. Mrs O. O. Oruye FNSE

Interview with Engr. Isaac Adekanye MNSE, SMIEEE ...

The same thing should be in all industry, the manufacturing plants and everywhere, making sure that everything is working properly.

E-newsletter: *What do you think could be the cause of our lack of maintenance of our plants and equipment?*

Engr. Adekanye: We could look at cost. In engineering, when you are starting a project, you look at the capital cost and the running cost. If you have an equipment that the capital cost is very high, there is a probability that the running cost will be very low. When the capital cost is very low, the running cost will be very high. If you want to buy a car for instance, you buy Mercedes and another person buys a Kia, they may be the same engine capacity, but over the same period of time, you may find out that what the Kia owner uses to maintain his car will be higher than what the Mercedes will use in maintaining his own. So sometimes, people are afraid of cost of maintenance; they say after all the engine is strong why do I need to do something about it forgetting that by the time it breaks down when they quantify what they will use to bring it back, it will be much more than what they would have used to do the routine maintenance. So sometimes it's the cost that people are afraid of and the knowledge.

E-Newsletter: *Thank you very much sir. The last question is; what advice do you have for people who use plants and equipment?*

Engr Adekanye: They should follow manufacturers' advice because the manufacturers will always give you an idea of how to run the equipment properly. Sometimes, they give you weekly routine check to follow, some could be monthly, 3 months, 6 monthly and 1 year as the case may be. If you try to follow this properly and you use the correct spare parts, if you need to use lubricants, use the correct grade of lubricant, you will find out that your equipment will last longer than just waiting until it breaks down before you intervene.

E-Newsletter: *Thank you very much sir.*



Engr. Isaac Adekanye & Engr. Otunte Otueneh

NSE PH Branch 2011 Annual General Meeting & Election of new Executive Committee Members

The Nigerian Society of Engineers Port Harcourt Branch will hold its 2011 Annual General Meeting and election of new executive committee members.

Date: Thursday 29th September 2011

Time: 5.00pm.

Venue: Engr. Ishmael A. Banigo secretariat, Water Works Yard, #3 Bernard Carr Street, Port Harcourt.

There will also be a presentation on "Challenges of Lighting Rural Northern/Southern Nigeria by Dr. Tony-Clive Nduka.

The Branch Annual Membership Subscription became due on 1st July 2011.

Members who are indebted should make payment of any arrears of dues/levy and the current dues. Indebted members will not vote during the election of the new Executive Committee members. Payment should be made to the Nigerian Society of Engineers UBA Account number;0234-031-0000962.

For details of financial status, please call the Admin Secretary on 07057790676.



The burial of Mr. Obilor Ozoemelum at Umumgbkwo Isingwu in Umuahia North LGA of Abia State on September 3 2011. The picture shows the NSE PH Branch Welfare Secretary Engr. Edward Orupabo (left) with Victor Ozoemelum the son of the deceased.



The Institute of Appraisers & Cost Engineers held its 2011 National Technical Conference with the theme: "Valuation and Cost Engineering Applications in Transportation" was held on 19th—20th September, 2011 at the Raw Materials, Research & Development Council Auditorium, Aguiyi Ironsi Road, Maitama, Abuja.

Later in the evening, a dinner was held at the New Chelsea Hotel, Abuja. At the opening of the conference, a welcome address was read by the Chairman of the Institute of Appraisers & Cost Engineers, Engr. Chief Giandomenico Massari FNSE, ASVal, ASCostE, ASEEcon. During the conference, technical papers were presented by:

Engr. Otis Anyaeji FNSE F. Val, FCostE, AEcon on: *Cost Engineering of Pipelines for Fluid Transport* and another paper on *Engineering & Economic Planning for Electric Power Generation, Transmission & Distribution*.

Engr. Dr. Charles Mbelede PhD CEng, FIEE, FNSE, FCIBSE, FACostE, FCCM, MASME, MAPM on:

Application of Cost Engineering Principles in Transport Engineering

Engr. Battah Ndirpaya MNSE, ASVal, ASCostE, AEEcons on:

Motor Vehicle Valuation

Engr. Chima Onyejekwe MNSE, MIET, AcostE, AvalE on:

Engineering Economy Study in a Transport Industry

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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: 0234-031-0000962 (Port Harcourt Main Branch)**. Also pay **National Annual Subscription** of N7,500.00 for **Corporate Members** & N9,500 for **Fellows** directly to **AFRIBANK ACC No. 1420202215613** & forward all tellers to the secretariat for reconciliation. All payments should be made at the Bank