



The Nigerian Society of Engineers

PORT HARCOURT BRANCH

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30TH AUGUST 2008

NSE PH BRANCH TECHNICAL VISIT TO ALADJA STEEL PLANT

The Nigerian Society of Engineers Port Harcourt Branch conducted a Technical visit to Aladja Steel Company Ltd in Warri, Delta State on Saturday 9th August, 2008. The Branch delegation which was led by the branch chairman, Engr. Bateim Max Ogariawo include Engr. O.O. Oruye FNSE, Engr. Denis A. A. Dania, Gen. Sec., Engr. Brown Ahorka, Engr. Mrs. Chinwe Okoronkwo, Engr. B. T.D George, Miss Oluchi and many other members of the branch. The team was given overwhelming reception by the managing Director (JMD) Engr. Dr. S. O. Nwabukei FNSE. The history and the operational system of DSC Ltd were explained to the NSE team. According to Engr. Dr. Nwabukei, Aladja steel plant an integrated steel plant was commissioned in 1982 being the only steel company in Nigeria operating in mild steel. (i.e mild steel type production system). He explained that the design capacity of the steel plant is 1,000,000 (1 million) tones of liquid steel using Direct Reduced Iron (DRI) of 80% and scraps of 20% as raw materials. The company operating capacity as at 1985 had the production capacity of 250,000 tonnes before it went into limbo. He said the location of DSC in Warri was informed by the abundance of gas deposits in the area while they get their raw materials of iron ore from Itakpe Iron Ore Company in Kogi State. But currently due to lack of raw materials, the plant now operates on 100% scraps for its raw materials. He explained the production progress as follows: The raw materials (Iron ore) are charged onto the pellet plant which has the ball mill (here it is dried, ground) then to the raw material handling system mixed with lime and then transferred to the mill plant (where it is formed into grey pellet) and pass through a counter flow of gas (H, CO)



JMD explaining DSC operations to NSE PH members to his left and DSCL Staff to the right

process to reduce the ore to a spongy iron then move down to steel melting plant at 1,600°C temperature where it is mixed with fluxes

(aloes) and heated to the operating temperature and then moved down to steel casting machine to be cast into billets of 120 x 120mm thereafter to the rolling mill to be rolled into rods of 12mm and above with a tensile strength of 420kN. Every product of DSCL it was explained has symbolic mark of identification engraved on its products at 1 metre material. The operation's energy capacity of the plant is 230 megawatts with sole reliability on PHCN for power supply, from Ughelli and Sapele power plants. The JMD further informed that currently DSCL operates on 26% installed capacity and hope to improve to 40% soonest. He explained that the company has been privatized to an Indian firm with expert knowledge for the operational dynamics of the company. He made a passionate appeal to the Federal Government for the dredging of the sea and coastal areas to allowing easy movement of high density sea vessels for easy haulage of raw materials. He requested for the active participation of Engineers and educational institution in professional development with organizations like DSCL. The management team of DSCL who welcomed NSE PH Branch was made up of Engr. Dr. I. C. Olie, PhD Metallurgy, Engr. Owakwwe D.G.M (Smelting/melting shop), Engr. Patrick Uchineh (AGM Energy), Engr. Adeyemo, Engr. Okonjo Dekerar, (Safety), Mrs. Chukwuma (Environment), Engr. Patrick Ochebe (AGM DRI) and expatriates staff include Mr. Shadrach (Utility), Mr. Rajir Shamal, Mr. Shanka (Elect).



Engr. Dr. Olie GM SMS explaining Mill Operation with a sample

NSE PH BRANCH EXCO VISITS ENGR.DR. CHUKWUOGO OF BOSKEL NIGERIA LIMITED

The Executive committee members of the Nigerian Society of Engineers Port Harcourt branch went on a fraternal visit to Engr. Dr. Keluo Chukwuogo MNSE on Monday August 18, 2008. The reception which by his choice, was preferably held in his fabrication yard at KM 17 Port Harcourt- Aba Expressway, BOSKEL Nig. Ltd was quiet, impressive and rewarding. Engr. Dr. Keluo Chukwuogo MNSE, the Managing Director and Chief Executive Officer of BOSKEL Limited, a multidisciplinary professional, and the winner of the year 2001 Engineer of the year award of the Nigerian Society of Engineers for designing and fabricating a smokeless flare system, internationally acclaimed as the best in the world, proved his worth recently as he explains to NSE EXCO their activities. Engr Chukwuogo in his characteristic baritone voice reeled out the numerous services and operations of BOSKEL Limited which included: the smokeless flare system for the complete control of the harmful effect of gas flaring in the oil and gas industry; The industrial incinerator with over 1,600degrees Celsius, for the complete smokeless combustion of industrial, hospital and domestic wastes of any kind into complete ashes, etc. Engr. Keluo explained that because of the highly quality of their products and services are now in high demand both nationally and internationally and have resumed exportation to Oman and some other countries in the Middle East. He said their services are self sustaining and are loan free projects.



A smokeless flare system

He challenged the federal government to give him free hand to clear the highways and streets of scrapped vehicles and other metallic objects and he would gladly do it free of charge with his latest technology. He said his company is completely indigenous and their technology and spare parts are purely localized. Engr. Chukwuogo challenged engineers to be focused and be determined to take Nigeria to the world as the Art World has done in recent times. He sued for the synergy between the Universities and the industries and with the collaborative efforts of the Nigerian Society of Engineers for a sustainable growth in engineering. The two major areas of the engineering capabilities of the company include: Thermal Process Engineering and Environmental Management. Products and services are smokeless oil field flares, remote ignited pilots for flares, oil burners, incinerators for wastes disposal, thermal desorption system and waste management activities. According to the MD, Boskel has been providing high quality and reliable services in these areas to the oil and gas companies since 1989. We wish Boskel fruitful years of quality services to the oil and gas industries. Members of the EXCO team who paid the visit included: Engr. B. M. Ogariawo, Engr Chf. S. Jumbo, Engr. Dennis Dania, Engr. Dr. A A Ujile, Mrs. Okorinama Briggs, Engr. Tony Zebrubghwa and other members of staff of the branch.



Engr. Dr. Keluo Chukwuogo making a projector presentation to NSE PH Executive members during their technical visit to Boskel Nigeria Limited.

INVITATION LETTER TO NSE NATIONAL CONFERENCE AND ANNUAL GENERAL MEETING "YANKARI 2008"

The National Engineering Conference and Annual General Meeting of the Nigerian Society of Engineers will hold from **24th – 28th November, 2008** at the **Multi-purpose Sports Complex, Bauchi**.

The theme of the conference is **"Strategies for the Attainment of Vision 20/2020"** The Conference registration fee which also covers the Conference materials is N20,000 for Members who register before 31st August, 2008, and N25,000 after August 31st, 2008.

POSTCON 2008

Conference on Meeting Environmental Challenges in Coastal Region of Nigeria.

Date: 29th—30th September 2008

Venue: Dundee, United Kingdom.

The Group Managing Director (GMD) of NNPC will declare the conference open. Engineers and environmentalists are encouraged to attend.

COREN 17TH ENGINEERING ASSEMBLY:

THEME : *VALUE FOR MONEY IN ENGINEERING PROJECTS: THE ROLE OF ENGINEERING REGULATION.*

VENUE : *INTERNATIONAL CONFERENCE CENTRE. ABUJA. DATE: 23RD-24TH SEPT, 2008.*

REGISTRATION FEE: *#12,000. PRE-REGISTRATION: #15,000. AFTER 22ND AUGUST, 2008. TECH & CRAFTMEN: #6,000 FLAT.*

PROGRAMME OUTLINE: *DAY 1: 9:00AM-OPENING CEREMONY, 12:00PM: TEA BREAK, 1:00PM: TECH SESSIONS, 7:00PM: DINNER.*

DAY 2: 9:00AM TECH SESSION, 12:00PM: TEA BREAK, 12:30PM: TECH SESSION, 2:00PM CLOSING

NOTICE! NOTICE!! NOTICE!!!

All members of NSE PH should pay their **annual branch dues** of N4000 and **compulsory levy** of N5000 towards the Engineer Resource Center to UBA ACC. NO: 0802080000194 (Port Harcourt main Branch). Also pay **National Annual Subscription** of N5,500.00 directly to AFRIBANK ACC No. 1420202215613 & forward all tellers to the secretariat for reconciliation. All payments should be made at the Bank