KITA
Kitakyushu International Techno-cooperative Association

KITA NEWS

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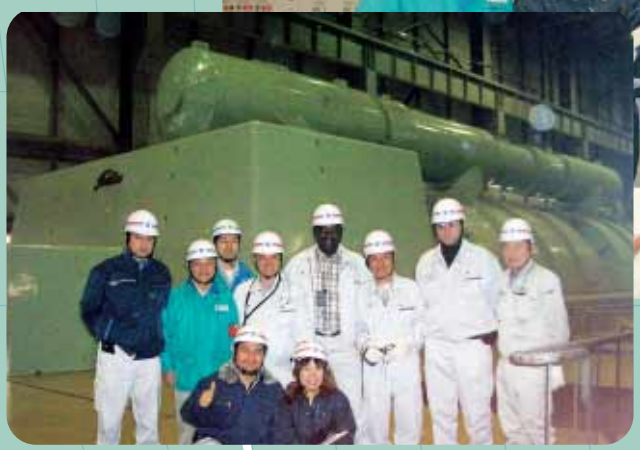


As the program of training course on "Plant maintenance management for CP", 6 participants visited Shinkokura Power Station of Kyushu Electric Power Co. Ltd. on March 3.

They were interested in this plant visit very much and highly appreciated it. Particularly, they studied the operation/maintenance management for power generator and turbine eagerly with many questions.

Takashi Ishikawa, Course Leader

Heaps of Steel Slag, can be changed to Goldmine !

Kazuya Kudo
Director of Technical Cooperation Division

KITA has been actively developing new projects for international technological cooperation in addition to training courses for participants from overseas. In this article, I would like to introduce an example of a new project that utilizes outstanding technology developed in the city of Kitakyushu.

It would not be exaggerating to say that the backbone of the current world economy is the rapid economic growth in China. In particular, the demand for steel materials has been rising remarkably due to the promotion of infrastructure carried out in China for the coming Olympics and World Expo. This steel production increase generates more waste materials as is obvious.

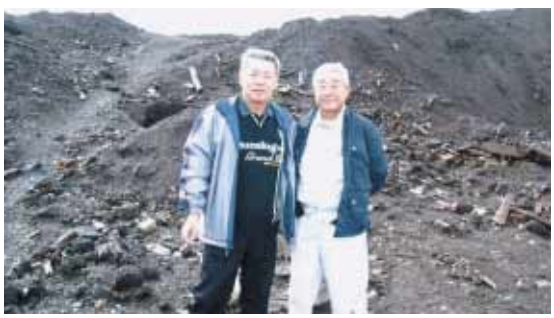
The steel production of Japan is 120 million tons annually and waste generation reaches 44 million tons. However, most of this waste is reused and only 0.72 million tons is landfilled at final disposal sites, resulting in a recycling rate of 98%. Steel waste consists of 80% steel slag, and there are two types of steel slag: blast furnace slag and steelmaking slag. Even though blast furnace slag has been effectively reused as material for producing cement, steelmaking slag has formerly been regarded as mere waste. However, steelmaking slag contains about 10% metallic iron. In Japan, this metallic iron is collected from steelmaking slag and the remaining mineral content is also effectively reused as material for civil work and road bed etc. As a result, the recycling rate of steel slag reaches 99.8%.

In terms of the effective use of steel slag, Japan has the most advanced technology in the world. The recycling rate of steel slag by the world standard stays approximately in the range of 0 - 30%. One of the reasons for this low rate is simply that the advanced steel slag treatment technology possessed by Japan is not available in other parts of the world. In China, Russia and India, a large amount of abandoned steel slag forms slagheaps. China alone currently produces approximately 500 million tons of steel annually. Consequently, 50 million tons of steelmaking slag is generated annually. Even assuming that 50% of the slag is treated properly, 25 million tons of steelmaking slag still accumulates every year. In 10 years without treatment, the number will expand to 250 million tons.

KITA has been helping to create a new business by introducing the technology for collecting metallic iron from steel slag to the world and reusing the remaining material for the construction and other purposes. Demolishing heaps of steel slag can also give a hand in improving global environmental protection by reducing carbon dioxide emission compared to producing steel or cement from virgin raw material.

The dream of KITA is to eliminate heaps of steel slag from the world, or change these waste heaps into mount of treasure. We are determined to make an effort in this important task, which in turn can make a contribution to global warming prevention.

A slagheap at Mechel Steel Works in Chelyabinsk, Russia.



The author (on the right) in front of the slagheap at Mechel Steel Works in Chelyabinsk, Russia.

The delightful news on prevalence of KITA Spirit

"Kame-Sakusen—Operation Turtles" in Kuwait

"In the old days turtles used to lay their eggs on the seashore under the sun, but nowadays we don't see them anymore in Kuwait because of the water pollution", said Mrs. Nakayama who has lived in Kuwait with her family for the past 27 years as she spoke to Lulwa, a Kuwait University student. "You all know that you have a very beautiful country, you must think of the next generation and how this pollution will affect their health. They won't be able to enjoy the beach, so I want you to care more about your country and try to protect the environment".

Lulwa was participating in the seventh annual beach clean-up campaign that has been organized by the Japanese Society in Kuwait. Every year since 2000, the Japanese Society in Kuwait organized this event that they called Operations Turtles. "The turtle in Japan is the symbol for patience and strength", explained Mr. Yanagida who has been living in Kuwait since 1994.

On November 24, 2007, around 120 Japanese and 60 Kuwaitis and some other nationalities gathered at a beach in Kuwait. After being issued gloves and trash bags, they spent an hour picking up litter from the beach. Many of the Kuwaiti participants were students from the College of Engineering & Petroleum at Kuwait University. The Japanese Ambassador and his wife also participated.

This event helps propagate the same message of environmental awareness that KITA has instilled in past groups of Kuwaiti students and professionals that were trained in Kitakyushu.

contributed by
Dr. Souhaila Almutawa, professor at Kuwait University

received by
Nobuyoshi Tanaka, Technical Cooperation Div, KITA

Participants to "Kame-Sakusen"

Beach clean-up campaign for turtles

Consulting for Construction of Landfill Site and Active Role by Former Participants in Pakistan

Japan has carried out fund grants and technological cooperation for the management of city waste in Pakistan and achieved appreciable results. Upon this success, the Pakistan government requested to cooperate in constructing semi-aerobic landfill sites. In response to this, I visited Pakistan as the expert of JICA in August of last year for 8 days. I joined Professor Matsufuji of Fukuoka University to supervise construction of landfill site in Islamabad, the capital of Pakistan.

Under the control of former participants and others, total 80 workers started the construction of the landfill site mainly by manual labor, except for the use of heavy machinery for drilling. The site space was 30 meters wide and 60 meters long. Two main concrete drainpipes and one branch pipe for water drainage were used. For vents and joint parts on each of these pipes, square bearing blocks were installed. Materials that are easily acquired in the local area were used at the site; in particular, waste tires and drum were used for vents. As a result, a simple sanitary landfill site was constructed at an extremely low cost.

I was impressed to see this achievement demonstrated by former participants of the training in Japan with a lively way at the actual work site, that was surely fruitful result of KITA training course.

Kiyoshi Haraguchi
Course Leader of KITA

Construction of drainage pipes and vents at the landfill site in Islamabad

Author in front of the completed the landfill site

Topics of KITA training courses

Newly Established Training Courses for Sewer Management in Saudi Arabia

In Saudi Arabia, construction of sewage utilizing the turnkey method has been implemented following initiatives by Europe and the United States. Furthermore, the country implemented a plan to complete privatization of sewage management in 2007. However JICA feels uneasy about such an acceleration toward privatization under the current insufficient condition. Therefore, JICA planned training courses for Saudi Arabia in which the participants can approach to the sewage system in Japan and dispatched a mission group including KITA experts to the country in last September.

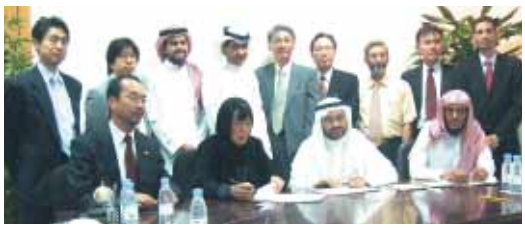
The mission group carried out inspections of a sewage treatment site and held a small seminar, while also confirming the current conditions of sewage treatment in the country. Based on these activities, the mission group held discussions with Mr. Yarubu, the Vice Minister of MWE*, and came to an agreement regarding details such as training programs and follow-up after the training. Two vice ministers from MWE* attended the seminar offered by the mission group, and the courtesy visit to the Minister of MWE* was realized at a moment's notice; the mission group acknowledged significant hopes for this plan.

Training was offered in two courses: "Sewer System Design" and "Sewer System Maintenance". The former course was offered over one month in January 2008 with 12 participants.

*MWE : Ministry of Water and Electricity

Yuji Yasuda
KITA Environmental Cooperation Center

Courtesy visit to the Minister of MWE*



At the meeting for exchange the minutes

Iraq Postwar Reconstruction Aid: "Environmental Management Course"

The target participants of this training course were the engineers of Iraq, which is one of the world's largest oil producers. The course aimed to improve the environmental management abilities in oil related industry and promote better understanding of Japan. This course was implemented, commissioned by JOGMEC* and AOTS**.

The total number of participants was 20, all of them were excellent engineers selected from various institutions, such as oil and gas production companies, oil refineries, oil drilling companies, and the Ministry of Oil and Educational institutions. There were 2 female participants among them.

The course was carried out for only one week in December of last year. However, it was a highly intensive course including lectures on environmental conservation technology and the history of overcoming pollution in Kitakyushu, as well as field visits to various facilities such as the Institute of Environmental Sciences, Air Pollution Monitoring Center, Kitakyushu Eco-Town, a fuel oil recovering plant from waste oil, and Shirashima Oil Storage Base.

We were strongly impressed with participants' earnest attitude toward learning and strong will to reconstruct a country devastated after war.

*JOGMEC : Japan Oil, Gas and Metals National Corporation
**AOTS : The Association for Overseas Technical Scholarship

Dr. Ken-ichi Fujimoto
Technical Cooperation Division, KITA

Participants gathered at Wakamatsu Ferry Port on the way back from Kitakyushu Eco-Town.

At the fuel oil recovering plant of Nippon Steel Kankyo Engineering Co. LTD.

Training Courses focusing on China by ODA* Yen Loan

The Japanese government has provided a large amount of ODA* loan for building infrastructure in China blessed with rapid economic growth. It is difficult to take full advantage of them without appropriate maintenance and management. JBIC** started to set conditions of taking training courses in Japan for effective facilities' utilization.

KITA provides those training courses, which includes advanced water treatment technology of Japan, prevention of eutrophication and especially focusing on operation and maintenance for sewage treatment facilities to Kunming, Hohhot and Guiyang. Training courses for sound material-cycle society focuses on Kitakyushu Eco-Town are also provided for representative from universities in Liaoning.

Those courses consist of harder schedule with visiting many facilities in a short period however all participants have studied diligently.

China has just started to manage industrial pollution control and domestic waste water treatment, but resource problem and eutrophication are also important issues to be solved. I heartily hope participants could take full advantage of this training for sustainable development in China.

KITA will positively challenge JBIC's capacity building program in addition to JICA's ODA scheme.

*ODA : Official Development Assistance

**JBIC : Japan Bank for International Cooperation

Yuji Yasuda
KITA Environmental Cooperation Center

Sound material-cycle society training courses for representative from universities in Liaoning.

The Fukuoka International Environmental Management Program: An Asian Sustainable Society Development Course

Fukuoka Prefecture offers the Asian Sustainable Society Development course by utilizing various environmental resources in the prefecture, targeting prominent administrators who will assume responsibility for environmental policy development in Asian nations in the future. Since FY 2006, this course has been offered in two separate versions: one is for ASEAN & India, and another is for China.

Last year, course for ASEAN & India was held for a duration of 4 weeks, beginning at the end of November. This time 4 members from Thailand participated, who were administrative workers younger than participants of the previous year. However, it was impressive to see how enthusiastically they studied the subject related to their actual work tasks. In particular, domestic waste treatment, waste separation, recycling, as well as environmental education and administrative environmental measures attracted strong interest from the participants.

In addition, the issue analysis sheet utilized by JICA Kyushu has been introduced into the course since FY 2007. All participants recognized own problems in advance so that they attended with a sense of purpose.

We hope that the participants will transform and use the techniques learned in the course to improve the environment and build a recycling-based society. We are anticipating participants from various countries in the area since we are also planning to further improve the course based on the requests of former participants.

Sumio Tajima
Course Leader of KITA

At the Fukuoka Method Landfill Site

At Kitakyushu Eco-Town

The result of site investigation in Paraguay and Bolivia

KITA will offer, for the first time, courses entitled "Job Training for Central and South America" and "Vitalization of Medium and Small Sized Enterprises for Local Industry for South America" in February and March of this year. In order to confirm the curriculum for these courses and actual situation in the countries, Mr. Yasumoto; JICA officer and I visited Paraguay and Bolivia.

The Republic of Paraguay is a relatively small nation with a population of 5.9 million. We visited the Ministry of Industry and Commerce and the Occupational Training Bureau in capital of Asuncion to exchange opinion and inspect relevant site. The next destination, the Republic of Bolivia, has a population of 8.8 million and the capital La Paz is located at an altitude of 3,500 meters. We visited the Ministry of Small and Medium-Sized Enterprise and a small- and medium-sized textile manufacturer.

As a result of our visit, we learned that both courses to be offered have been highly evaluated for the following reasons: ①the theme of the courses has a deep connection with national policy that is familiarized with them, ②the courses are easily accessible since they are offered in Spanish, and ③both countries have a significant interest in Japan due to support offered by JICA offices and Japanese descendants of these countries.

I am now determined to make an international contribution through my best efforts to support Central and South American nations for future prosperity by this training course reflecting the result of site investigation.

Yoshio Miki
Course Leader of KITA

At the Job Training Center in Paraguay

At the woodworking plant in Bolivia

"Local Activation" course for Japanese descendants in Brazil

KITA implemented a course for a period of approximately one month, targeting Japanese descendants in Central and South America for the first time last August.

The objective of this course was to provide the way of local activation in Japan, Japanese lifestyle and culture, and the concept of Breakthrough (B/T). Three Brazilian participated, from the cities of San Paulo, Belem (northern Brazil) and Parakatu (central Brazil), two director generals from the Brazilian Society of Japanese Culture, and a representative of the Regional Development and Activation Agency.

As for training results, participants were especially interested in the Breakthrough (B/T) concept and the One-Village One-Product (OVOP) movement in Oita prefecture. Comments such as "learning the B/T concept has enlightened the need to change the way of thinking just what I wanted" and "I have realized that the OVOP movement can be a driving force of regional activation" were expressed.

"I would like to work for Brazil and Japan using the precious experience acquired from participating in the course. The year 2008 is the 100th anniversary of the Japan-Brazil Immigration, and it is also an opportunity to start a new relationship", says a letter received from one of the participants after returning home.

Through this course, I have become more aware of the success of Japanese descendants in Brazil and the local situation as well.

Yoshio Miki
Course Leader of KITA

With Mr. Hiramatsu, the former mayor of Oita prefecture and an advocator of OVOP

At the Fukuoka Miyako agricultural cooperative

Recent activities for overseas development cooperation

Business Matching between Chelyabinsk in Russia and Kitakyushu

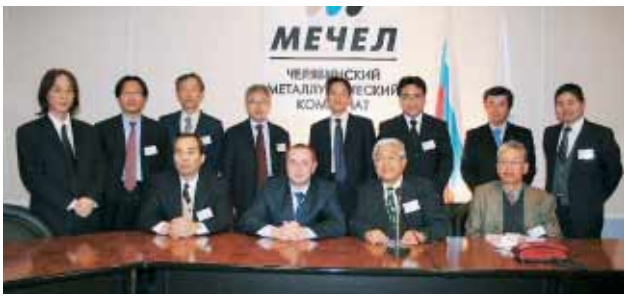
It can be looked back "Russian Market Development Mission" (under the sponsorship of JETRO*/ROTOBO**) was dispatched by the city of Kitakyushu in August 2005. After Kitakyushu received the Representatives from Chelyabinsk in Russia in May 2007, "Mission for Business Negotiation with Enterprises in Chelyabinsk State", which consists of 7 iron and steel related enterprises in Kitakyushu, was dispatched in October.

In Chelyabinsk State in Russia, there are two major steelworks; Chelyabinsk Metallurgical Combinat (CMK: 4 million tons/year) and Magnitogarsk Steel Works (MMK: 12 million tons/year). These steelworks complexes still operate out-of-date facilities, which now need to be updated. Transferring cutting-edge technologies possessed by the enterprises in Kitakyushu to these steelworks offers significant possibilities, so the above mission was formed to be dispatched as a ROTOBO** project with backup from KITA and City of Kitakyushu.

The enterprises in Kitakyushu once faced extreme difficulty in establishing any relationship with the Russian enterprises. Therefore support from ROTOBO**/KITA is very helpful and satisfy participants in this mission, three of which may successfully hold business negotiations in future.

*JETRO : Japan External Trade Organization
**ROTOBO : Japan Association for Trade with Russia & NIS

Kazuya Kudo
Director of Technical Cooperation Division, KITA



Meeting with the executive officers in CMK.


Meeting with the executive officers in MMK.

Visit for Steel Plants in Orissa of East India

A business mission formed by steel-related companies in Kitakyushu along with JETRO*, UNIDO** and City of Kitakyushu visited Orissa, India during a week of Jan13. Orissa is a mineral-rich state locating in east coast side of India and being rapidly industrialized. In Kalinga Nagar industrial complex, located at 120km northeast from Bhubaneswar(Capital City of Orissa), eight steel companies including TATA Steel (India's biggest steel company) and POSCO are said to branch out. The mission visited Jindal stainless steel and VISA steel, both of which had already started construction in the complex and toured a coke oven and Fe-Cr plant partially operated. TATA Steel in Jamshedpur, Jharkhand openly accepted the mission to the mill and provided a plant tour to BF (blast furnace), LD (steel making) and CGL (continuous galvanizing line) as well as detailed information about their new project in Orissa.

In addition, individual business talks between mission companies and prospective partners attending from Indian side using one day long. Taking this opportunity, a memorandum of understanding for Japan-Orissa business promotion had been signed between JETRO* and IPICOL***, on behalf of Orissa State Government.

*JETRO : Japan External Trade Organization
**UNIDO : United Nations Industrial Development Organization
***IPICOL :Industrial Promotion and Investment Corporation of Orissa

Eiji Wada
Technical Cooperation Division, KITA


Tour at Fe-Cr smelting plant of Jindal Stainless Steel

Consulting on Solid Waste Management in Chelyabinsk, Russia

KITA implemented a surbey for improvement of solid waste management (SWM) in Chelyabinsk, Russia, commissioned by the ROTOBO*. Solid waste generated in Chelyabinsk, which reaches around 600 thousand tons annually, goes to a final disposal site. It has caused serious environmental deterioration in the areas surrounding the site. Recycling is not sufficiently implemented at present. Those circumstances drive waste management into a serious issue.

A seminar, which invited around 60 people of relevant representatives from waste management works, universities and residents' groups, was held prior to the study in order to respond to queries as well as to introduce solid waste management and incineration plants in Kitakyushu. Residents' groups and university professors earnestly asked how sufficient safeguards of incineration could be ensured.

Then, interviews and discussion from/with OICs** of the relevant sections on status quo and future plans of the SWM were conducted in the municipal Eco Center. The study team also visited to the final disposal site, recycling plants and relevant facilities. During the study, the team responded to coverage from mass-communication while it visited the provincial and municipal governments as well to contribute to awareness creation of residents.

The team drew recommendation from the study and sent it to the Chelyabinsk Administration. A pre-study for feasibility will be implemented in March in accordance with the request to formulate the master plan for solid waste management in Chelyabinsk.

*ROTOBO : Japan Association for Trade with Russia & NIS
**OICs : officers in charge

Satoshi Nakazono
KITA Environmental Cooperation Center


At the seminar


The waste disposal site in Chelyabinsk

A Field Study on Environmental Improvement through CP* in Haiphong City, Vietnam

KITA has been implementing environmental improvement activities in the City of Haiphong as an aid project for the Japan Fund for Global Environment. The Socialist Republic of Vietnam has been undergoing a period of high economic growth. At the same time, pollution has increased in heavily populated urban area and industrial complexes, and various environmental pollution countermeasures have not caught up with such an accelerated pace of economic development.

The main scopes of the environmental improvement activities through CP* are: ①environmental improvement at the calcium carbide manufacturing company, and ② environmental enlightenment for citizens and officers of the City of Haiphong.

October of last year, the study member paid a courtesy visit to the Japanese Ambassador to the Socialist Republic of Vietnam and reported the outline of the activities. The member also had a meeting with the Vice Chairman of the Haiphong People's Committee, who enthusiastically listened to the history of overcoming pollution in Kitakyushu.

The environmental seminar entitled "The environmental cooperation between Haiphong and Kitakyushu for pollution prevention" was held. 45 people attended the seminar with a great success.

The titles of the lectures are: ①the keynote address, "Aiming to become an environmental capital city in the world", ②"History of environmental protection in Kitakyushu", ③"Sewer systems in Kitakyushu", and ④ "Environmental problems and its improvement in the City of Haiphong".

*CP : Cleaner Production

Dr. Ken-ichi Fujimoto
Technical Cooperation Division, KITA


At the congress hall


Together with Ambassador Hattori (center) at Japanese Embassy in Vietnam

Attending the 4th Joint KFUPM * - JCCP ** Environment Symposium

The symposium "GCC*** Environment and Sustainable Development" was held at the KFUPM* in the city of Dhahran, Saudi Arabia from January 28th to 30th. The symposium was organized jointly by KFUPM* and JCCP**. I attended this symposium to give a speech, "Creating a Recycling Society in Kitakyushu City", and serve as a Session Chairman. The audience showed interest in my topic of Kitakyushu's efforts for constructing a sustainable society.

The symposium gathered approximately 140 attendants from Japan and the GCC***. The speakers introduced activities and efforts implemented in the individual participating countries for constructing a sustainable society. From Japan, 5 staff of the JCCP**, and 5 speakers attended this symposium.

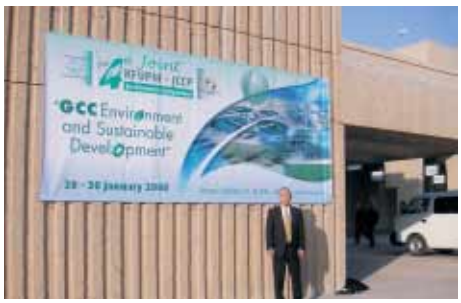
The city of Dhahran is located on the east coast of the Arabian Peninsula and is in the center of petroleum production. I had an opportunity to visit the Saudi ARAMCO exhibition center. I was extremely impressed with the significant scale of the exhibition, showing petroleum industry including oil exploration, drilling, production, transportation, refinery and uses of petroleum.

*KFUPM : King Fahd University of Petroleum & Minerals
**JCCP : Japan Cooperation Center, Petroleum
***GCC : Gulf Coast Countries: Saudi Arabia, Kuwait, Bahrain, Qatar, United Arab Emirates (UAE) and Oman

Dr. Ken-ichi Fujimoto
Technical Cooperation Division, KITA


Author serving as Session Chairman


Author giving a speech



Author at KFUPM*, where the symposium was held

Symposium on Productive Structure of Steel Industry in Malaysia

I was asked to present a lecture regarding "Productive structure of steel industry in Malaysia" at the "Symposium on how to preserve crude steel" sponsored by Perwaja Steel (Malaysia) in September of last year. Perwaja Steel is located on the east coast of Malaysia and outputs of approximately 1 million tons/year of crude steel utilizing the DRI* - EF - CC processes.

The lecture was based on the following points: "Present situation of rapid development in Chinese steel industry" and "Actual capacity and its position of Malaysian steel industry".

In the discussion held after the lecture, I made comments, summary of which are as follow;

① After 2010, the Malaysian steel industry will encounter the flooding of steel product from China.
② Steel grade exported by Chinese steel industry will be mainly ordinary steel, as it is now. This type of steel is main product in Malaysia. Therefore competition over this type of product is becoming tight and will further intensify in the future.
③ The future productive structure should be considered by taking into account the impact caused by the export from China as described above.
④ Perwaja Steel should consider business cooperation with steel industry in Indonesia and China as well as domestic enterprises in future.

*DRI : Direct Reduced Iron process

Kazuya Kudo
Director of Technical Cooperation Division, KITA

Contribution of the former participant for KITA

Practical Production Management for South America Course : Former Participant from Columbia gives the Impressive Lecture

For enhancing the effect of JICA/KITA training courses, Mr. Jose Vanegas from Columbia was invited to offer a lecture regarding practical activities he undertook after returning home in December 2007. He participated in this course in 2003 and currently is employed in process and product quality management at an auto parts company in Columbia.

In the lecture offered by Mr. Vanegas, the keys to spreading and expanding practical production activities are; ①Starting with activities that are related to the people around you, ②Demonstrating (successful results can get support) and ③Gathering fellow workers (individual capacity is limited). In addition, he passionately explained that it is important for a promoter of practical production ① Not make excuses, ②Not escape responsibility and ③ Not rush for successful results.

Since his lecture, given in Spanish, used forms that are utilized in the actual QC circle activities and proposal system, all of the participants were deeply impressed.

Tadashi Miyamoto
Course Leader of KITA

Excellent lecture by Mr. Jose Vanegas

List of KITA training courses in FY 2007

Training course type: JICA Group training | JICA Area-focused training | JICA Country-focused training | KITA Individual training

	Environment and Energy saving management							
1	(Middle East) Industrial pollution control management		2	Industrial wastewater treatment technique (2)		3	(Asia) Audit technology for energy conservation (A): energy conservation technique course	
4	(Asia) Audit technology for energy conservation (B) : machine diagnosis technique course		5	Domestic wastewater treatment technique		6	(Asia) Air pollutant source monitoring management	
7	(Southwest Asia) Solid waste management		8	(KOICA-JICA) Environmental protection technology and management against air pollution		9	(China) Development of management capability on environment, resources & energy for Chinese steel industry	
10	(Algeria) Environment management for industry and city life		11	(Philipine) Capacity development in urban and industrial environmental management		12	Design method for environmental pollution quality standard and regulation	
13 14	(Kuwait) Environmental conservation for engineers from the oil sector		15	(Vietnam) Energy conservation and Energy management system		16	(Saudi Arabia) The enhancement of operation and maintenance of treatmentplants for advanced treatment technology & sludge management	
	Development of Recycling-based Society							
1 2	(China) Promotion of circular economy		3	(Asian Countries) Construction and designing for sound material cycle society		4	(ASEAN) Asian sustainable society development (programmed by prefecture)	
5	(China) Asian sustainable society development (programmed by prefecture)							
	Production technology , Plant engineering and CP							
1	Cleaner Production in steel industry		2	Plant maintenance engineering for Cleaner Production (CP)		3	(South America) Practical production management	
4	Plant maintenance management for Cleaner Production(CP)		5	Computerized machine control for mechanical automation		6	Cleaner Production in process industries	
7	Non-destructive inspection technique for quality management and plant asset management (3)		8	(Egypt) Productivity improvement				
	Job training and Enhancing management ability							
1	(Central and South America) Job training coordinated with industry		2	Occupational health management for sustainable development		3	Food sanitation administration	
4	(South America) Vitalization of medium and small sized enterprise for local industry		5	Economic development of the area : "Local Activation" course for Japanese descendants		6	(South Korea) Management for automobile related industry	
7	(South Korea) Management for machine and electrical industry		8	(South Korea) Management for the other manufacturing industry		9	(Vietnam) Counter part training course on mechanical equipment service	
	Human Resource Development for Asia							
1	Sewerage management technique for Hohhot		2	Sewerage management technique for Kunming		3	Establishment of the environmentally-sound material cycle society for Guizhou University	
4	Wastewater treatment management for the Middle East		5	Environmental Management for Iraq		6	Water quality control technique for Guiyang	
7	CRAIR participant training		8	Establishment of the environmentally-sound material cycle society for Liaoning				

●The detail of the courses & annual schedule can be seen in KITA's Homepage (http://www.kita.or.jp/english/e_index.html).

Close-up of two KITA training courses

New Course "Energy Conservation and Diagnosis Technology for Practical Engineers" is open

This course will begin in January 2008, targeting practical engineers who diagnose energy conservation level in the Asian region. The characteristics of this course are its offering of a number of hours for exercises and practical training, and utilizing a faculty with a great deal of worksite experience, who give instruction throughout the entire course through lectures, exercises and practical training so that the participants can improve their practical technological capabilities. This offering actually consists of two courses: (A) an energy conservation technology and (B) a machine diagnosis technology for energy conservation. The former course is for auditors, managers and operators and covers the energy conservation technology of huge energy consumed equipment in detail. The latter course targets equipment and maintenance engineers and is an acquisitive course that provides comprehensive lectures on energy conservation technology, as well as the basics of maintenance technology and machine condition diagnosis technology for realizing energy conservation. In the process of planning this course, JICA/KITA have developed a number of unique lectures. The picture shown right-hand is one example of such a lecture, demonstrating an energy efficiency measurement technique for a pump without an installed sensor. The measurement technique and pump efficiency improvement technique will be demonstrated by CJ*.

This intensive course will put the emphasis on actual exercises. We are anticipating highly motivated participants.

*CJ : Corrocoat Japan Co. Ltd.

Takatsugu Ueyama
Course Leader of KITA

Demonstrating pump efficiency measurement at CJ*

Conducting a pump efficiency measurement at an actual plant by applying a technique developed by CJ*

Making Use of Waste as a Resource: An Introduction to Solid Waste Management for Southwest Asia

The "Solid Waste Management for Southwest Asia" course was held for a period of one and half months in October 2007. In the Southwest Asian regions, the amount of waste output has been increasing due to an increase in population and urbanization. Environmental issues such as underground water and odor problems have also become serious. This course introduces various activities for waste treatment measures implemented in Japan to be put to use in policy development in the participating countries in order to resolve these issues. 12 people from Bangladesh, India, Nepal, and Sri Lanka participated in the first offering of this course. In many developing countries, the main waste treatment method currently used is the open dumping method, and furthermore it is said that reserving sites for landfill has been difficult. The main content of this course consists of: ①environmental education, ②composting, ③final treatment sites, and ④waste treatment techniques. Through the field training, the participants learn techniques for recycling, composting, and creating sanitary landfills. It aims to minimize the amount of waste by recycling waste discarded from households and conducting appropriate and sanitary treatment of waste.

The course received high praise from the participants saying "it was of significant help". We are looking forward to hearing of their success after returning home.

Kiyoshi Haraguchi
Course Leader of KITA

At the Inland Landfill site

At the household waste composting site

Activities of KITA

Promoting technical cooperation and effective training by utilizing

- Accumulated industrial & environmental technologies over 100 years in Kitakyushu
- Network of many industrial corporations, academies and governmental organizations
- Abundant human resources with wealth of experiences belonging to KITA

Training at Kitakyushu

- Planning adequate and fulfilling curriculum
- Effective program for group, area and individual country course
- Building-up of personal network with ex-participants and follow up for after care

Technical Cooperation at Overseas

- Dispatch of experts with lot of experiences to conduct survey appropriately
- Consulting with providing identification, formulation and feasibility study
- Research & Dissemination of environmental and industrial information

KITA

Contribution to Sustainable Development through CP

Exchange of Technology

- Holding seminar, symposium and exhibition for exchange information and technical support

International Communication for Global Partnership

- International friendship exchange program including home visit by host family system

News and Information

The Kitakyushu Environmental Award for Contributions to Sustainable Development in Developing Countries

KITA was acknowledged for its long-term contributions in the sustainable development of manufacturing and environmental fields for developing countries, and received the honor of Kitakyushu Environmental Award from City of Kitakyushu, the city aiming to become the environmental capital of the world.

KITA specializes in abundant accumulation technological experiences, human resources and cooperative network.

The awarding ceremony on Feb. 13, 2008

The plaque of honor

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Kitakyushu International Techno-cooperative Association (KITA;kaita)

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