



DOOSAN VINA TIMES

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"Safety First"

2009 Dung Quat, Vietnam

Doosan Vina, Open For Business

By: Pham Ba Loi - CPE

The guests came from the four corners of the globe to witness the Completion Ceremony and Grand Opening of Doosan's latest development, Doosan Heavy Industries Vietnam or Doosan Vina.

Groundbreaking on the 110 ha site was held on February 6th 2007 and a short 27 months later on May 15th 2009, Doosan Heavy Industries Vietnam had their Grand opening ceremony at the plant located within the Dung Quat Economic Zone. Guests included Vietnamese Deputy Prime Minister Hoang Trung Hai, Korean Ambassador to Vietnam H.E. Hong-Jae Im and Chairman of Doosan, Mr. Yong Hyun Park.

Speaking at the ceremony, Deputy Prime Minister Hoang Trung Hai emphasized: "Mechanics is one of the major industry which has an important role in the national development. Equipment manufacturing is one of eight groups which needs to be invested in and is a priority. The Vietnamese Government welcomed Doosan's choice of Quang Ngai for their investment."

Doosan Heavy Industries Vietnam began with a 300 million USD investment by Doosan Heavy Industries & Construction Co., Ltd and Doosan Mecatec Co., Ltd. The company has completed the construction of five factories which will manufacture: Boilers

for power plants, Heat Recovery Steam Generator for producing electricity, Material Handling Equipment for loading (unloading) cargo ships, desalination equipment to convert sea water into fresh water for drinking and agriculture and Chemical Process Equipment to process chemicals while protecting our environment. In addition to the five main factories, there is a port to import and export products.

This project is the biggest foreign investment project in heavy industry in Vietnam and today employs nearly 2,000 employees from all over Vietnam.

With the state-of-the-art technology and competent human resource at Doosan Vina production is expected to be 200 million USD this year and is budgeted to rise to 800 million USD by 2015.

The products manufactured at the plant will be shipped to customers worldwide as well as supplying local customers all across Vietnam.



Deputy Prime Minister Hoang Trung Hai, Doosan Chairman YH Park (Left to right) are followed by Korean Ambassador H.E. Hong-Jae Im, Doosan Heavy Industries (DHI) COO Shim Gyu Sang and DHI President Geewon Park to the ribbon cutting ceremony that is pictured above. More pictures on pages 4 & 5.



The winner of contest, Mr. Khanh

Doosan Vina Karaoke contest

By: Pham Ba Loi - CPE

The performances were so good that some felt that some of the contestants had missed their calling and should have pursued a recording career.

The contest was for all personnel, all positions and all ages. It was a great team building exercise because the staff was able to laugh, sing and share this special day with their fellow colleagues from all the shops and offices.

The contest attracted a standing room

only audience and with the excellent voices of the contestants filling the air and the funny introductions of the MC the

(continued to page 2)

INSIDE THE TIMES

PHOTOS OF GRAND OPENING---PAGE 4&5

MEDIA COVERAGE -----PAGE 2

MEET MS BINH----- PAGE 3

SPORT ----- PAGE 7

TECHNOLOGY AT WORK -----PAGE 8

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Grand Opening Press Conference

By: Vu Hoang Uyen

The Grand Opening (GO) attracted many VIPS and when important people gather in numbers the media is sure to be there as well. GO had



Press Conference

over a thousand guests and over 30 media representatives. They came from Hanoi, HCMC, Da Nang and Quang Ngai.

After the ceremony the reporters assembled for a press conference on the current status of Doosan Vina and to have a Q & A session with company spokespersons.

Reporters were here from: Thanh Nien, Tuoi Tre, Vietnam News, Vietnam Investment Review, Nguoi Lao dong, Sai Gon tiep thi, Doanh Nghiep, Phap Luat, VTV, Quang Ngai TV, Hanoi Radio VOV and many more.

The most common questions put forward were on our main businesses, the capacity, the working conditions of employees and our plans/strategies for the future.

The next day Doosan Vina had well over 30 articles and stories about the Grand Opening on television, radio, web sites and in newspapers all across Vietnam.

Doosan Vina Karaoke contest

(Continue page 1)

By: Pham Ba Loi – CPE

crowd was in stitches. His humorous introductions of the performances poked fun at the contestants and made it a comedy show karaoke contest.

One special part of the contest was the free performance of some of the audience members during a break.

The MC said that he was amazed by the spectacular voices of contestants. He said "If they took part in TV star contest it would be difficult for the panel of judges to choose the best singer."

The first prize, an MP3 player, went to Mr. Dang Van Khanh of the Boiler Shop. The judge who made the award said "Khanh was awarded the prize because of his strong, beautiful voice and confident performance, which is something that is not always easy for amateur singers."

Grand Cleanup for the Grand Opening

By: Pham Ba Loi - CPE

In the days just before the Grand Opening Doosan Vina's entire staff mobilized to clean and clear the entire 110 acre site. Everyone from managers to workers participated in the task.

This job was very important and necessary before the opening ceremony. From the lawn of CPE, Mr. SC Son, General Manager of CPE said, "The opening ceremony is a very important event, and to assure it's success, we have to prepare carefully, it's much like moving into a new house, every detail has to be attended to. When someone looks at the outside of your house they immediately form an opinion of the inner workings. It is the same with us, people will judge how good our products are based on what they see on the outside.

"You can all go back to the shop to continue your job. I'll pick up weeds all day so that I can contribute a small part to the success of the company's opening ceremony."

After a few days of hard work the difference was apparent and anyone who was to pass by the site would have had to been thinking that this is more like a campus than a factory.

Weeds picking-up

Our company this morning

After morning exercise of deep breath

Warmly respond the movement of

Weeds picking up for the opening ceremony

From managers of the offices

To the industrious supervisors of factories

Are eager with jubilant atmosphere

Everyone's mind gets ready



There is an old saying, 'you only get one chance to make a first impression' and we want the first impression that our guests at the Grand Opening have is a positive one!"

Mr. Nguyen The Luc, a member of the CPE Marking & Cutting team said: "As far as I'm concerned, a good worker is not only the one that makes good products, but who also joins in when needed, no matter what the task." Mr. Nguyen Thai Triet, a fabrication engineer joked:

In spite of the terribly hot weather
No one feels tired and complains a word
Males and females are everywhere
In which there are weeds
They are utterly dedicated to their work
Every one is doing a full meaning job
There is no general thought that
Garbage collecting, weeds picking up are
common jobs, we will not do!!!
We can realize clearly that
Working is a glory on earth

Doosan - Power and Water for Tomorrow

Food For Thought

IF TOMORROW NEVER COMES

By: Ho Thi Tieu Quynh

Have you ever thought how many chances you missed? And how many times you couldn't meet your target because those chances are gone forever?

I have a memory and, and a few thoughts I want to share with you "don't delay anything until tomorrow, because maybe tomorrow will never come."

My grandmother had been ill, I intended to visit her after work but it was a hard day for me and when I finished I was tired and only wanted to sleep. And so I delayed the visit until the next day.

The next morning, when I got up, I found out that my grandmother had passed away - the feeling of regret was overwhelming, "the tomorrow" that I had decided to visit her on will never come...

In another case, I have a friend, he had dreamed of being a lecturer since he was in middle school. He studied hard and always got good marks. Two months after he graduated his University invited him to come and work for them. He was happy because his dream would come true - he would become a lecturer for a big university. But when they considered his documents, they lacked the English certificate. Not

because of his ability, he had finished studying but he hadn't yet taken the examination to get the certificate. Two months later he had the certificate but they had already recruited another person!

I'm sure that you've experienced something similar. I learned a hard lesson and I hope you will not experience the same thing. What I have decided is that I can't let anybody or anything hinder you, you must "stand firm" in yourself, in your job, in your life. You may need to improve your way of thinking like I did and I encourage you to do it now, don't wait!

The advertising slogan of Sunsilk says "Life can't wait." That is true, time waits for no one, life passes and if you don't want to be a "loser" don't always follow others. From now let's begin to do what we want. Set your goals and reach for your dreams, they can become a reality.

I think the first thing we should do is study hard, in many ways and many cases tomorrow is but a dream!



Learning leads to promotion, promotion in your job, promotion in your life and promotion in yourself. As I learned you should "Never put off what you can do today until tomorrow" because today is real and life is like a cup of coffee. You sit beside the window, drinking coffee and it tastes bitter, but you're too lazy to get some sugar so you drink the bitter coffee. But when you finish the coffee you see that the sugar didn't dissolve, it's at the bottom of cup.

We spend so much time trying to find a sweet life while all we really need to do is stir it." Anyone want a cup of coffee?

Veteran member of Doosan Vina – Ms. Huynh Mai Binh

By: Ho Thi Tieu Quynh

Ms. Huynh Mai Binh started at Doosan Vina (DV) in early February of 2007 as Assistant Manager of Finance; she has since been promoted to the Deputy Manager of Finance. Ms. Binh along with BM Assistant Manager, Mr. Thanh are two veteran members of Doosan Vina. They were here when we broke ground back in February 2007 and have been with us since.

In February the finance team only had two members, Mr. Ok Duk Su, General Manager and Ms. Binh. During the Grand Opening ceremony on May 15, she shared with me that she is so proud of the fact that she can look back and remember the ground breaking ceremony as an employee. "Since the ground breaking the two years have flown by, this has changed from a barren landscape to this, a major massive manufacturing facility, complete with the most modern technology and a whole lot more colleagues to share this ceremony with. At the Ground breaking we could've all gotten in a 45 seat bus, today we'd need one with 2,000 seats! It makes me happy to think that I contrib-

uted in a small way to all this; it's very difficult for me to express how proud I feel."

Now living in Quang Ngai, Binh was born in Ha Noi and grew up in Da Nang. She graduated from Da Nang Economic and Business management University with a



Ms. Huynh Mai Binh - FIN Team

major in Finance. She has 12 years experience in accounting including six years experience as a Chief of Accounting. Those experiences nourished love of the job, it's said that accounting is a "headache" job, but with her, if she had to do it all over she wouldn't change a thing. When she's working, it seems that she forgets everything

around her, concentrating solely on her work, thinking how to do it with the best effect at the least cost.

She's one of the most mature ladies in the company which is reflected in her words "This is how I honestly feel. I've gained from my experiences, now I don't want to sound like a book, but when you're at my age I'm sure that you'll also have some of the same experiences and feelings. I'm a senior member of the team and I want to share what I've learned from life and my work to help you live and work better." With younger colleagues in Finance I usually remind them 'a wrong calculation can result in a big loss' so I always try to encourage them to reduce mistakes. For me she is like an older sister with a high sense of responsibility to the younger members of our team.

The last thing she wants us to remember is, "I have a hot temper and I'm strict when working, so if somebody don't understand maybe they may not like me, but I always hope that we can cooperate like family, understanding and helping each other so that Doosan Vina and us can prosper."

Grand Opening Ceremony



Doosan Chairman, YH Park receives flowers sent by Former General Secretary, Do Muoi from QN Vice Secretary, Cao Khoa



Doosan Vina General Director, BJ Cho talks about our progress.



Receiving line of lovely ladies in colorful "Ao Dai" await guests



Over 1,000 guests attended the opening ceremony

May 15th 2009



Doosan President, Geewon Park congratulates Kwon Oh Sung of DV.



VIPS cut the ribbon to officially open Doosan Vina!



Deputy General Director, JY Kim & Deputy Prime Minister, Hoang Trung Hai.



Karaoke contest winner, Dang Van Khanh from Boiler receives flowers and his MP3 player.



Korean Drum Corps and The "5 Dong Ke" group team up for a song.



Deputy Prime Minister, Hoang Trung Hai & Chairman, YH Park listen to the presentations



Boiler General Manager, SD Choi takes Deputy Prime Minister, Hoang Trung Hai, Chairman, YH Park, Korean Ambassador H.E., Hong Jae Im & President, Geewon Park on a shop tour (left-right).



Employees pitch in and prepare for the "GO."



Chairman, YH Park presents plaque to QN Peoples committee Vice Chairman, Nguyen Hoang Son completing MOU on corrective facial surgeries.



QN Peoples Committee Chairman, Nguyen Xuan Hue and DV General Director, BJ Cho.



Korean traditional drum corps opens the ceremony.



Management of Doosan greets Vietnamese Deputy Prime Minister, Hoang Trung Hai.



Vietnamese diva and recording star, My Linh entertains the guests.

Doosan Vina Hosts a Visit by Ho Chi Minh Universities

By: Nguyen Do Minh Tue

On April 19th two Doosan chartered busses left HCMC with 70 students of Ho Chi Minh University of Social Sciences and Humanities, Ho Chi Minh University of Technology and Ho Chi Minh University of Foreign Language and Information Technology (HUFLIT) to visit Doosan Vina. The students were invited to visit after attending information presentation at their universities.

The original plan called for one bus but after hearing the presentations and seeing the photos more than double the anticipated number of students wanted to come and see for themselves what was happening at Doosan Vina.

In addition to chartering another bus Doosan Staff had to quickly arrange rooms and meals for an additional 30 or 40 people.

Coordinating the effort back in Dung Quat Mr. JG Kim, Senior Manager in Administration calmly made the arrangements. Kim who is accustomed to change made a few calls and, bingo it was all set. Chaperoning the group were two Doosan employees, Nguyen Thi Le Hien of HR, Mr. Vo Thanh Hoa and Professor Do Ngoc Luyen, of Ho Chi Minh Social Science and Humanities University.

On the appointed day all the students were eager to get going and arrived at the departure site early. A loud cheer went up when Mr. Kim Hoon - General Manager of HR Team stepped off the bus to see that all



Students from HCM University of Technology the arrangements were in place and give them a proper send off for their Doosan Vina adventure.

The group spent nearly the whole first night chatting with each other as the buses snaked their way north towards their destination in Quang Ngai Province.

It was both an adventure and at times an arduous journey. One student speaking to Ms. Hien reflected "it is certainly a very poor and distant place, perhaps it will be very sad in central Vietnam, I am not sure what to expect?" Many of the students had never been to central Vietnam and were asking many questions about the region and the Dung Quat Economic Zone.

At 4 o'clock the next afternoon they

reached Doosan Vina and on arrival they yelled out, "we're here!" After some introductions the group were taken to their rooms for rest and an early meal.

The following day, they were officially welcomed by Doosan Vina's Board of Managers and were shown a film about Doosan and then taken on a tour of the facility, including all five shops and the sea port. An engineer explained each shop on the tour. The students from the technical University were especially interested in the technology in use and asked many questions. One of the group said "although I had seen the photos and videos, I was still blown away by the size and scale of the operation here, I had no idea it was so big and highly developed. The processes in use are beyond anything I dreamed of."

On the final day, they were treated to a tour of ancient Hoi An, Da Nang and especially the beautiful beaches of central Vietnam. The students felt a little tired after a long voyage but they were really happy. Many expressed their amazement at how developed central Vietnam is.

Before departing Professor Do Ngoc Luyen said: "I think my students found this to be a good place to live and work after graduation, I hope Doosan Vina will extend offers to them after they complete their studies." With that the two buses headed south with 70 students who are now singing the praises of Doosan Vina and the wonders of central Vietnam.

QUESTION CORNER

Below is this month's question.

In last month's story on the cafeterias the photos showed people cooking food but they are not wearing gloves. Is this OK and if so why?

Thanks you for your question.

To answer this question I met Mr. Lee Joon Hee. Mr. Lee manages the three



restaurants at Doosan Vina. To make it clear Mr. Lee explained that the restaurants always pay close attention to hygiene. "We also work under the strict control of the local authorities for food safety and hygiene inspections, so we are always careful to maintain healthy conditions."

To answer the specific question he explained that the staff who do the cooking do not wear gloves (as in the picture) because they do not directly touch the food.

If we are putting food into dishes, we use gloves, that is the policy. And we recently started using nylon gloves which are used only once and then disposed of. This is to ensure there is no cross contamination and to maintain complete food safety.

If you have any questions, please do not hesitate.

Sincerely, Ms. Quynh.



Ms. Quynh

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Desalination Team Aims to make Doosan Vina and Vietnam Proud

By: Nguyen Thi Ngoc Loan

In Vietnamese literary there is a folk song titled "A tree can't make a mountain, but three trees can be a mountain if they huddle together." This saying has been around for thousands of years, but it is still true today and extremely relevant to our work at Doosan Vina (DV). Just as the trees working together can form a mountain, we as a DV team can accomplish great things and I have seen the results of such synergy at the Desalination Shop.

When I went to Desal the first impression I had was of the working conditions. It is quite different than what you will find at our other four other shops. Most employees at Desal have to work outside, so regardless of the weather they must perform. It can be raining, windy or a blazing hot summer day yet because one member of the team depends on the next so they press on.

In order to finish the current project

on time and deliver it to the United Arab Emirates on schedule, teamwork is required. What I saw was that each team is working hard all day and often into the night, pulling together as one. Most members of the desal team are working overtime, some even working double shifts or more.

The product that is built at Desal is called an Evaporator, it turns seawater into fresh water for irrigation or drinking. The finished product involves bundling or linking 11 units that are built separately into one completed evaporator. When completed the evaporator will be 100,491 meters in length, 28,890 meters in width and 7,600 meters in height. After installation in the UAE the evaporator will produce: 75,786 cubic meters of fresh water per day.

The fact that the Evaporator under



A completed Unit is shipped out

construction is the first such large scale evaporator produced in VietNam is giving purpose, pride and providing the motivation to the whole team at Dessal.

Go team, we are all supporting you and look forward to the completion of our first "Made in Vietnam" evaporator.

One Big Machine

By: Nguyen Ngoc Duan - MHE

Doosan Vina (DV) is categorized as heavy industry and that literally translates in to "large." The products produced at DV are specialized and in order to be competitive and produce the best in the world we require the most modern and technologically advanced equipment available. The Computer Numerically Controlled (CNC) machining machine is one and example of this. The CNC gantry milling machine is in the Material Handling Equipment (MHE) shop and you can find this same type of machine at large plastic companies in Vietnam, albeit they are considerably smaller in size.

The MHE shop manufactures the super long, super weight Rubber Tire Gantry Crane and the Rail Mounted Quay Side Cranes (RTGC, RMQC) to machine the big parts of these giant cranes such as the girders and sill beams a behemoth of a machine is required. Our CNC machine is a product of Daeyang engineering co. ltd of Korea and cost \$1.173.000.

The machine can machine to within 0.01 mm, and bore to maximum of Ø100 and handle pieces as large as 12x8x3 meters.

The total capacity is 60 kW. It has a spindle nose taper with capacity of 30 kW for machining; this spindle has an operating range of: 12m x 8m x 0.9m so it can machine big items. The spindle speed can accelerate to 2,000 rev/min; and process rapid speed of three axis: 4000 mm/min, 4000 mm/min and 5000 mm/min. The level of

tolerance can not exceed 0.03mm.

The CNC also has four work tables and each table is 6.2m x 4m and has a tolerance of 0.03m. The machine can drill holes with the diameter from Ø1 to Ø80 or more, boring holes Ø100, Ø300, Ø500. If we need to drilling a larger hole, we can use other special bores.

Size is only one of the special features



Note the man on the left to get a sense of the size

of this rare machine, the technology that drives it is state of the art and the operation is cutting edge and complex. We can operate it in either the automatic or manual mode.

The machine should only be operated by someone who has a high degree of skill and experience with this particular piece of equipment because damage to the material being worked on or the machine can be costly. Yoon Young Sang, machining & handling manager who is responsible for

the management and operation of the CNC is a Korean specialist who has expert level skill and craftsmanship in machining technology. He guides the Vietnamese engineers and workers in the operation of the machine. Mr. Yoon said, "In the MHE shop, machining is a very important part of the production process, there is a direct correlation between the quality of the finished product and the degree of accuracy in the machining of the parts. My task is to teach and acquaint the staff with and all about this highly sophisticated and technologically advanced piece of machinery. It gives me great satisfaction when I see the skill level improving day by day."

Mr. Khoa, an operator and engineer commented, "I've worked for a long time in machining, I've even worked in Japan but I've never seen or operated this big of a machine. It can machine pieces as large as several dozen meters and we can machine several pieces at same time maximizing the capacity of the machine. There isn't a university or center to educate us on how to operate the CNC machining, so we have to learn from an experienced Korean specialist. At this time we don't have enough CNC machine operators on the team so I'm really looking forward to many more operators coming to DV and learning how to operate this remarkable machine!" Specs: CNC gantry milling plano machine. Height: 6.6 m Length: 19.5m Width: 12.5m Weight: 110 tons Cost: 1,173,000 USD