

Bản Tin

DOOSAN

Vina News

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MADE IN VIET NAM
MY COUNTRY - MY PRODUCTS - MY PRIDE

Building Your Tomorrow Today!

At Doosan Vina, we design and manufacture the products that add value to people's lives around the world.

The "Made in Vietnam" Pressure Vessels pictured here were made in Doosan Vina's

Chemical Processing Equipment factory and are now hard at work in the South Yoloten gas field of Turkmenistan, doing their part in the production of more than 30 billion cubic meters of natural gas every year.

That's why I work at Doosan Vina

(Standing) left to right, Võ Đức Kiên,
Phạm Văn Tuyên, Phan Hương, Hoàng
Kim Tư. (Kneeling) Lê Thị Xuân
Trang, Trần Ngọc Thuận





Doosan Heavy Industries Vietnam

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Building Your Tomorrow Today!

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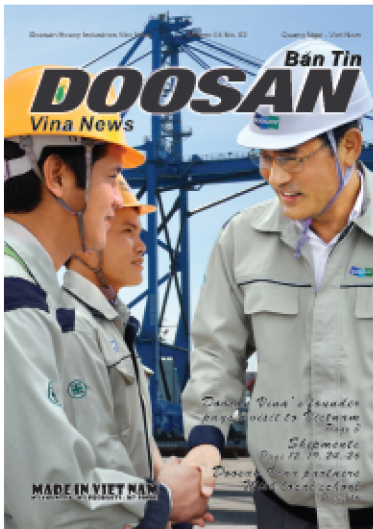
One Mind, One Voice, One Action



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On The Cover

Mr. Han Key Sun, Chief Operating Officer of Doosan Heavy Industries and Construction greets Mr. Luong Quoc Toan and Mr. Pham Duy Dung of Material Handling Systems on a February 29th 2012, visit to the company's manufacturing complex.

Pictured in the background is a Super Weight Rail Mounted Quayside Crane built for the Jawaharlal Nehru Port Trust in India by Doosan Vina.

The Generation Gap

In years past that phrase was in relation to the difference between the thinking of the older and younger generations. Today the term often refers to the difference in how much electricity is being generated versus how much is needed.

It would seem that the problem is easy enough to solve if the will and the money were available, but it is a complex issue involving both politics and economics.

The International Energy Agency (IEA) reported that there was over 10,309 TWh of electric power produced (One terawatt hour is equal to a sustained power of approximately 114 megawatts for a period of one year).

That is a lot of power, but according to the UN it still leaves over a billion people without electricity and another billion plus whose power is unreliable.

Thermal power plants produce 60% of power today and will for the foreseeable future, but the debate rages on; is nuclear right, are renewable the answer, how much can the oceans provide? The pros and cons are endless.

The truth is that this is not a one size fits all situation and a global diversified approach is needed that uses a combination of all of the above and more.

Doosan has been visionary and positioned the company with power solutions that meet a wide variety of needs. Whether it's thermal, nuclear, wind, fuel cells or the other power solutions Doosan's extensive Research and Development division is finding the answers.

At the end of the day what the generation gap means is that there are tremendous challenges ahead and those challenges signal opportunity for visionary companies like Doosan, to roll up their sleeves and find innovative solutions that are safe, economically proven, environmentally sound and scalable to meet this ever increasing demand for worldwide power.

Visionary founder visits

March 12th, 2012

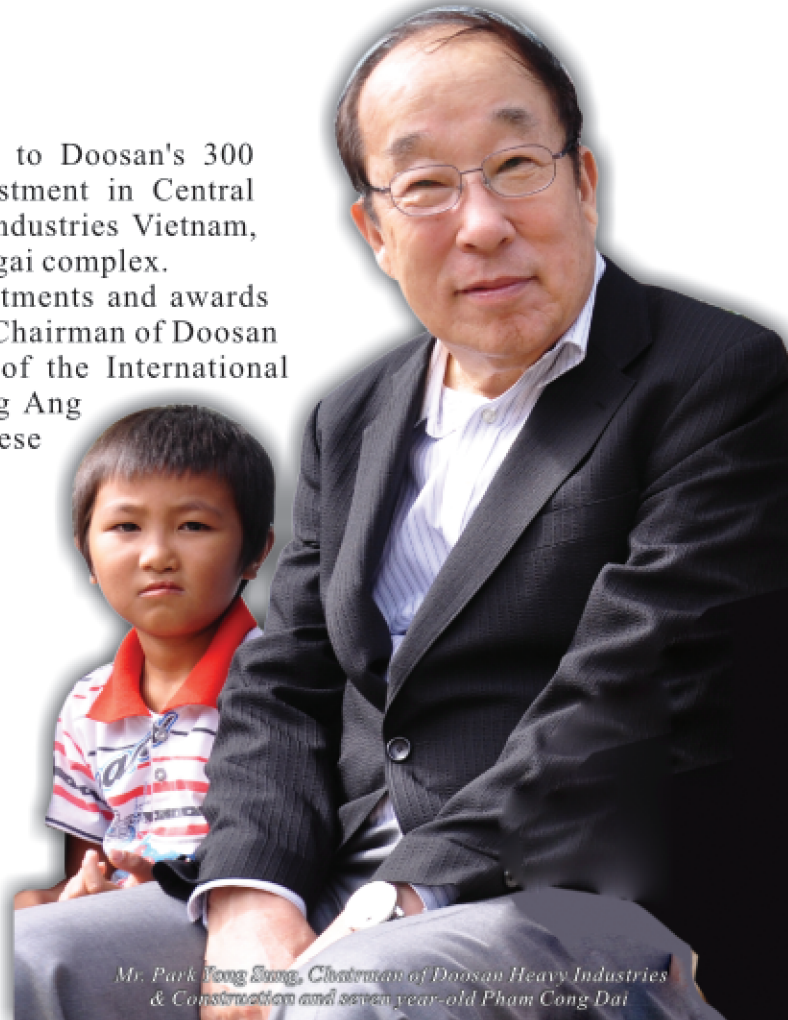
Mr. Park Yong Sung who gave birth to Doosan's 300 million USD, 2,000 employee investment in Central Vietnam, known as Doosan Heavy Industries Vietnam, paid a working visit to the company's Quang Ngai complex.

Mr. Park's numerous achievements, appointments and awards include: an MBA from New York University, Chairman of Doosan Heavy Industries & Construction, Member of the International Olympic Committee and Chairman of Chung Ang University which has helped many Vietnamese children with cleft palates have a normal life.

Since 1995 Mr. Park has been the driving force behind Doosan's Vietnamese expansion and nearly half billion USD investment in Vietnam.

Doosan first began in Vietnam with what is now Doosan Vina Hai Phong, that was followed with the opening of Doosan Hanoi office and in 2009 the 300 million USD "Forward Strategic Production Base" known as Doosan Vina was opened. The company is also developing one of Vietnam's biggest mixed use Real Estate developments in Hanoi know as Habico Towers and leading several other major infrastructure projects such as the Mong Duong II power plant.

On a tour of the Dung Quat operations Park took time out of his schedule to check on a couple of the company's CSR activities.



Mr. Park Yong Sung, Chairman of Doosan Heavy Industries & Construction and seven year-old Pham Cong Dai



Doosan Vina's BOM welcomes Mr. Park Yong Sung



Mr. Kim Yong Soo (right) and Mr. Lee Kwan Soo (center) Deputy General Production Director explain a process to Mr. Park Yong Sung

To be continued next pages

Mr. YS Park wo



Mr. Park and Mr. Hong Ha Ryu, General Director of Doosan Vina

First was a trip to the Binh Thuan Primary school that nearly 200 Doosan Vina employees recently gave an extensive renovation and saw the company commit 300 million VND in additional assistance.

While touring the school Park said, “this school is in better shape because of the employees’ recent efforts and our commitment is to continue the support. “Conditions at the school I attended in Busan many years ago were far worse than this, but it’s a different world today and children need a good environment if they are to get an education that will allow them to compete in today’s global marketplace, so we will do all we can to see that happen.”

After leaving the school Park made a stop at Doosan’s married family apartment complex in Van Tuong and met some of the families that live there. While walking around the complex one reporter asked why Doosan choose Vietnam for such massive investments, Park said, “there is only one reason and that’s because the Vietnamese people are the most industrious and hardest working people in S. E. Asia, they started way behind many countries in the region, but they are catching up fast and I am certain they will be the next Asian power house.”

The final stop before heading back to Korea was to visit seven year old Pham Cong Dai and his family. Dai and his parents are one of the many families that Doosan has flown to Korea to undergo reconstructive surgery related to cleft palate disorders at Chung Ang University Medical Center, where Park is Chairman.

A short while ago Dai and family moved into a new home courtesy of another of Doosan Vina’s outreaches called the Charity Union. Park wanted to see firsthand the outcome of the surgeries and inspect the new house personally. “Dai has been taken under the Doosan Wing and he and his family are special people and we consider it an honor to help them,” said Park.

Mr. Le Quang Thich, Vice Chairman of the Quang Ngai PPC, who accompanied Park,



Gifts for Binh Thuan Primary School



Mr. Park talks with pupils



orks His Dream

thanked him and Doosan for the extensive capital and social investments in Vietnam. Park responded by saying, "We help the people because it is the right thing to do, and we want to create a self sustaining social environment that will improve life for the people and that in turn will attract more businesses to the area, that will create more jobs and that in turn will improve life further, so the circle will continue to grow and improve."

Before boarding a flight at Chu lai, Park said if we look at Korea 30 or 40 years ago Vietnam today is in a better position, and with the determination of the leadership of Vietnam and a people that understand and are not afraid of hard work, I am sure Vietnam is going to be the next Asian Tiger."

To date, after four years in operation, Doosan Vina has many significant contributions to Quang Ngai's and Vietnam's economic. The economic impact that the company brings in is approximately at 65 million USD per year and a total of 1.5 million USD for CSR activities has been provided including: medical & education care, medical equipment donations and other much needed support.



Mr. Park listens to Dai's plans and ambitions



Mr. Y.S. Park, (center right) Mr. Le Quang Thinh, (second right) Mr. Hong Ha Byn and Mr. Gwang Ju Kim (far left) with the staff of Doosan Vina at the end of the tour.



Mr. Park, presents 50 million VND to Mr. Nguyen Nhi, Principal of Binh Thuan Primary School



Mr. Kim Gwang Ju (left), Deputy General Director and Mr. Park on the way to Dai's house.

Record Salary Increases Announced

By: Huyen Trang

The annual salary increase announced by Doosan Vina is sure to be one of the lead items on Doosan Vina's 2,000 employees list of 2012's important events.

Some say that money is not the most important thing, but it's certainly ahead of whatever is number two for most people and with workers receiving an average 20% and office staff getting an average 18.5%, the announcement was a hot topic and welcome news all over the complex. In addition to wage increases, the job allowance was doubled and the attendance allowance was increased by up to 600%.

Mr. Hang Ha Ryu, General Director said, "Last year, we witnessed a miraculous boost in productivity. In only three years we have achieved what it took our parent company 30 years to attain. In addition to the productivity improvements employees have also designed and created many

inventions that have improved quality, reduced labor and saved thousands of dollars so our employees should benefit and deserve these increases!"

Mr. Park Seung Won, General Manager of Labor Relation said "This raise represents the highest rate of increase since we began operations here; we believe that once employees have a secure economic base they can wholeheartedly devote themselves to their job. This will in turn create an environment that will establish more records and achievements that will further increase productivity and allow additional increases to be passed on."

Beside the salary increase, the promotion of 344 employees, which is 17% of the total workforce was also announced. These steps are a part of the company's overall localization strategy that is targeted for completion in 2015 and will see Vietnamese leadership playing an ever more important role at the company.



A group of promoted worker from HRSG Business Unit

HRSG

the Cleaner Greener Way



Pham T. Sen

There is ever more concern over the effects of greenhouse gases caused by carbon emissions and one of the most effective ways of reducing them is by using a Heat Recovery Steam Generator (HRSG) that is added to a thermal power plant to capture wasted energy and turning it into power. A typical HRSG unit can increase power generation efficiency of a thermal power plant by up to 30% and help people breathe a little easier.

Doosan Vina's HRSG shop has completed three of these earth friendly giants for the Ras Al Khair project and is working on producing two more for a total of five. Beside the above, the men and women of HRSG are busy completing the IEC (Israel Electric Corporation) project with a total 15 modules that will weigh 4,000 tons. This equipment is expected to ship to Israel in April. Each module is 25 meters long, 5m wide, 2.5 meters high and will be installed at IEC's plant in Eshkol, Israel.



A header for a heat recovery steam generator is being welded

As soon as these projects are on their way the team in HRSG will begin work on a new order for a GE Energy order. It will be for the Erzin, Iskenderun, Hatay State, Turkey project that consists of two units with 24 Modules and 318 tons of Links.

The HRSG with 17,400 square meters of enclosed space is staffed by a team of 180 skilled engineers and technicians who work hard every day to help us breathe a little easier.

The Heat Recovery Steam generator built by Doosan Vina at Viet Nam's Nhon Trach II power plant capturing wasted energy to produce electricity.



Work begins on first domestic

Commencement of work on the two 'Made in Vietnam' 600 MW Boilers for the Mong Duong II Power Plant in Northern Vietnam is a significant event for Vietnam and an important milestone for Doosan Vina.

"For Vietnam, Mong Duong II is important because technology is being transferred to Vietnamese engineers and technicians that would not be occurring if an imported Boiler was used, and it is significant to the company because when this project is completed we will have added nearly 6,000 MW of electricity to the worldwide power grid and that is equal to a third of Vietnam's total power generating capacity," said a company spokesperson.

Since starting production in 2009 the Doosan Vina Boiler Business Unit has completed or has in process a total of 12 boilers.

A boiler is the heart of a thermal power plant, producing the power that drives turbines that generate electricity and the Doosan Vina Boiler business unit is where these massive "Hearts" that can weigh up to 4,439 tons, are designed, engineered and fabricated.

To date, nine boilers have been finished, shipped and are already producing power. Three others are currently being fabricated at the company's 2,000 employee strong, Central Vietnam industrial complex in the Dung Quat Economic Zone. The first two "Made in Vietnam" Boilers completed at Doosan Vina were in May of 2010 and they were shipped to Marafiq, Saudi Arabia. This included two 275 MW units with a capacity of 550 MW. A few months after that the Boiler shop completed manufacturing four 360 MW units that went to the EDP project in Brazil.



A boiler header being fabricated at Doosan Vina's Boiler Business Unit.



Ms. Nguyen Thi Huong, a female welder of the Boiler shop

The next project was back on this side of the world and two 685 MW boilers were shipped to Raipur, India. Next came one 650 MW unit for Ain Sokhna, a quaint resort town located about an hour drive from Cairo on the Red Sea in Egypt.

“Made in Vietnam” Electric Power Plant Boiler

Today, the Doosan Vina Boiler shop is working on the three boilers with a combined total of 1,850 MW. This includes two 600 MW units that will be installed in the Mong Duong II power plant in Northern Vietnam and a unit for Ain Sokhna, Egypt.

The Mong Duong II power plant will cover 297 hectares and produce 1,200 MW of electricity or about 8.1 billion KW per year. That will be an increase in Vietnam's overall power generation by approximately 7%. For perspective; Mong Duong II will be able to provide electricity for around 2.25 million homes and if the total 5,860 MW generating capacity of all of Doosan Vina's Boilers had been installed in Vietnam the capacity would have grown by nearly a third or approximately 11 million homes could've been added to the grid.

The Doosan Vina Boiler shop is one of five shops at the company. The boiler shop has a total area of 92,000 square meters and is

staffed with over 300 of the best Vietnamese boiler engineers and technicians anywhere. These highly trained and skilled professionals are equipped with the most modern and high tech boiler fabrication machinery available today.

Doosan Vina; A culture of quality that is building your tomorrow today!



A header is welded for the boiler by a highly skilled technician



Mr. Le Minh Viet of Boiler by a massive header

A Continuous Stream of Shipments

By: Dieu Linh

The Boiler Business Unit at Doosan Vina has kept our team at the port busy this year with several shipments.

India is one of the largest consumers' of energy in the world and in spite of the slowing global economy, India's energy demand continues to rise.

To help meet India's power needs, Boiler has been working on one of the biggest power plants in India. The Raipur project calls for two 685 MW boiler units for the 1,370 MW Raipur power plant. The project will require two shipments and the first shipment included air ducts weighing over 985 tons.

Back in February, Boiler completed the last and final shipment for the Ain Sokhna power plant project in Egypt. The shipment included 1,300 pieces (tubes, economizers, headers and panels weighing 29 tons) that will be assembled into a boiler capable of generating 650 MW of electricity.

Mr. Song Chi Wook, Director of Boiler Business Unit said, "The electric generation capacity is not able to meet demand in many places, and our Boiler engineers and technicians are working hard to try and narrow this gap, I think they are the best and truly dedicated to lighting a dark world."

TURNING IMPOSSIBLE INTO REALITY

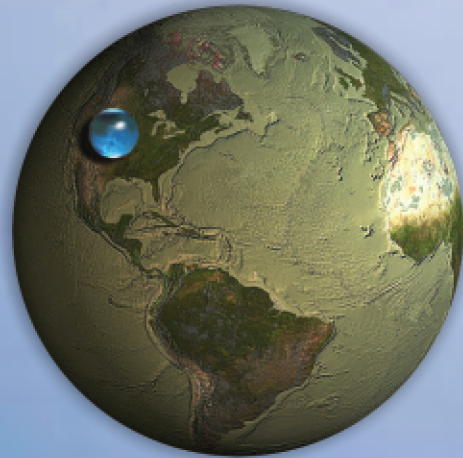
By: Dieu Linh

About seventy percent of the Earth's surface is covered with water and the pictures from space would make one think that the water supply is endless. In reality we have only a small amount of water and next to air it is the most essential commodity on the planet, less than 3% of the world's water is drinkable and only 1% is accessible.

What we do have is a lot of salty ocean water and Doosan Vina's Water Business Unit is at the heart of solving this growing shortage of fresh water.

One example of how little water there really is on earth is that if all the water on earth, salt and fresh, were put into a sphere it would only be 1,385 kilometers in diameter. That's about the length of Vietnam from north to south and if you reduced that sphere by 97% to represent only the fresh water it would be very small.

What this means is that as existing sources of water become depleted and the earth's seven billion people and growing need more and more water, the Water Business Group is certainly going to be in demand in the years ahead. All these new people will need water to drink and food to eat, which also requires massive quantities of water.



The small drop of water on the globe above represents all (fresh and salt) water on Earth

Today, Doosan Vina's Water Shop is working on three of the eight units for the Ras Al Khair desalination project for Saudi Arabia. One of the units is 98% completed and will be ready to ship in May. The other two units are under assembly and scheduled for shipment in June and July.

Each of the evaporators is the size of a football pitch, weighs 4,000 tons and able to produce 90 million liters of fresh water per day. The three units when installed will be able to meet the daily needs of approximately 600,000 people.



Doosan Vina is providing solutions for a thirsty planet with desalination equipment like the 90 million liter a day evaporator above

Eight 245 ton cranes shipped to Singapore

By: Dieu Linh

Doosan Vina successfully completed a shipment of eight Rubber Tired Gantry Cranes to the PSA Corporation Ltd.

In an interview at the company's Dung Quat complex, Mr. Hang Ha Ryu, General Director, Doosan Heavy Industries Vietnam said, "The Material Handling System Plant (MHS) is the high tech plant that designs, engineers and manufactures the mega cranes that are at the center of global logistics. This is the third shipment of cranes to the Port of Singapore and brings the total number of cranes we've exported to Singapore to 20.

The contract MHS is working on calls for a total of 36 units and the remainder are under construction and will soon be completed."

Ryu predicted that this year, the company's fourth full year of operation, would be better than last and said "The 2012 target for all five shops is to reach a production value of \$200 million. That not only provides stable jobs for our more than 2,000 employees but also has significant economic impact across the region."

Each Rubber Tired Gantry Crane (RTGC) in today's shipment weighed 245 tons was 27m high, 25m long, 11m wide. These eight RTGC's have 16 wheels each that can pivot in any direction (360 degrees) making them extremely versatile when moving the standard 40 ton cargo containers that they are designed to handle.

The RTGCs designed and manufactured by MHS are ready to send to Singapore.



ISO is the Way to Go

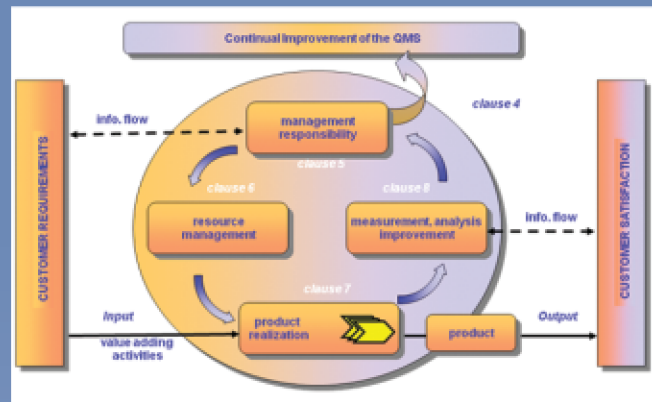


Organizations depend on their customers and therefore should understand current and future customer needs, meet customer requirements and strive to exceed customer expectations.

ISO 9001 gives eight Quality Management Principles to retain a customer: 1) focus 2) leadership 3) involvement 4) use a process approach 5) systemize management 6) employ continuous improvement 7) approach decision making factually and 8) insure a mutually beneficial supplier relationship. The benefits of applying these principles are:

- From a policy and strategic formulation perspective: makes the customer needs and the needs of other stakeholders understood throughout the organisation.
- From a goal and target setting perspective: ensures that the relevant goals and targets are directly linked to customer needs and expectations.
- From a operational management perspective: focuses and improves the performance of the organisation to meet customer needs.
- From a human resources management perspective: ensures the people have the knowledge and the skills required to satisfy the organisation's customers.

Doosan Vina has been ISO 9001 certified since March 2008 and the certificate was



ISO 9001 map

successfully renewed in March of 2011.

Our General Director, Mr. Ryu emphasized the role of ISO 9001 by saying “quality is not an act, it's a way of life, and must be lived 24/7. Quality is also about commitment and communication and these are the foundation of ISO 9001 which will play a pivotal role in our plans for 2012”

We in QA are standardizing and stabilizing the Quality Management Systems based on the principles of ISO 9001 and the QA page here in DV News will continue to update you on the progress and ways you can be a part of the company's commitment to quality. One thing I encourage you to do is become familiar with the QA Department's ISO 9001 Manual titled QMSM (Quality Management System Manual) that you can find on the portal and if you have questions feel free to contact me or your QA team representative.



100 million VND Donation for Quang Ngai Market



Huynh V Trung

Doosan Vina presented a donation of 100 million VND to the community. The gift was made to help alleviate the loss of property and income suffered by the retailers of the Quang Ngai Market when it was destroyed by fire on February 9th 2012.

Mr. Kim Gwang Ju, Deputy General Director speaking at the ceremony said “The property that was destroyed was certainly a tragedy but the loss of so many people's livelihood and income is even more troublesome and why we are pleased to be able to offer some assistance today and present this gift of 100 million VND.” Earlier of this month on (Feb. 10th) Doosan Vina has presented 20 million VND to the Elderly Union of Binh Hoa commune, Binh Son district, Quang Ngai province.

Last June, we established the Doosan Vina Charity Union and through that fund we've built a house for a needy family and today the company is making this donation to help our neighbors get back on their feet and move forward.

Later this week we begin a new CSR initiative that will focus on education. The first project is the revitalization of the Binh Thuan Primary school, a team of Doosan Vina volunteers will



Mr. Ha Van Hung (right), Chairman of Trade Union present donation to Binh Hoa Elder representative

descend on the school and provide necessary repairs and renovations so that the children and the educators have a suitable environment where they can teach, learn and grow,” Mr. Kim went on to say, “We are a part of this community and our CSR activities clearly demonstrate that our commitment is real; since opening here in 2008 Doosan has provided nearly \$1.5 million USD in support of the people of Quang Ngai and today we are again pleased to be able to help our neighbors.”



Mr. Kim Gwang Ju (Center), Doosan Vina's Deputy General Director presents sponsor certificate to the leaders of Quang Ngai Fatherland front

DOOSAN VINA **VIP'S**



Mr. Banh Tien Long, Deputy Minister of Education and Training of Vietnam



Korean enterprises survey Doosan Vina's capabilities



Mr. Pham Manh Thang, General Director of Department of Energy, Mr. Le Van Luc, General Director of Department of thermal & nuclear power, Mr. Bui Quoc Hung, Chief of Administration of MoIT and Mr. Doan The Vinh, expert of Department of thermal & nuclear power.



GE Energy quality audit



Doosan Vina Paints with

Doosan Vina's mega infrastructure products are hard at work all over the world moving every day goods, generating power for better living, desalinating seawater and processing the earth's natural resources.

That is what we do to make life better for humanity. To bring that caring and sharing philosophy a little closer to home the company launched a new Corporate Social Responsibility (CSR) initiative called "For a Better Community." The initial project was to adopt a primary school that is located directly behind the company's 110 hectare complex in coastal Central Vietnam.

Binh Thuan Primary School has 500 students, 28 teachers and before the 25th of February was in need of serious "R&R" (repairs and renovations). "We chose this project because the need was so great and if we expect the students to be able to focus on learning rather than battling the elements, we had to do something to improve these children's environment," said one of the volunteers.

On February 25th nearly 200 Doosan Vina volunteers mobilized and converged on the school to carry out a top to bottom, front to back R&R.

The team painted walls, replaced windows, installed fans, repaired the electrical system, cleared weeds, waterproofed the roofs and a great deal more. In total over 115 million VND



Mr. Hang Ha Ryu, Doosan Vina's General Director presents donation certificate to Mr. Nguyen Phi, Principal of Binh Thuan school.

VND was donated from the Doosan Vina Charity Union which is funded by Doosan Vina employees and the company.

Mr. Hang Ha Ryu, CEO of Doosan Vina taking a break from the R&R said that we are always on the lookout for activities that need our support, our position is that our business here is not only to create profits for the shareholders but also to implement the



Ms. Chang Nari of EHS helps by painting a door frame



Partners with Local School

philosophy of the Doosan Group and share with the community.

After a day of intense labor Doosan Vina's directors and the leaders of Binh Thuan Primary School signed an MOU outlining the company's plan to donate \$15,000 (about 300 million VND) in continuing support. The plan calls for scholarships, teaching aids, learning equipment and more so that the quality of education at the school can improve and the students have a brighter future.



Teamwork at work



New lights for a brighter future



New glass in the door to kept out the elements



Even the young Children pitch in and clean their school yard



Nearly 200 Doosan Vina volunteers mobilize to renovate the Binh Thuan School

Nothing can hold a good man down

By: Huyen Trang

Like many Doosan Vina's employees Mr. Huynh Tan Phat comes from a family that has traditionally worked the land. Small scale farming is hard work wherever it is undertaken and here in Vietnam the challenges are many.

Working the land gives a certain satisfaction but the limited return offers little chance that life will improve dramatically anytime soon. Vietnam is transitioning from an agrarian society into a more industrialized nation and Vietnamese men and women like Phat are embracing the change all over the country.

Phat hasn't had an easy life, he is the third child in a family with 5 children that lost their mother at an early age. This meant he had to take on additional responsibility for his younger siblings and the whole family had to redouble their efforts.

Believing there was a better way and never giving up hope, the family struggled and Phat was fortunate to attend and graduated from Quang Ngai's Pham Van Dong University with a degree in mechanical engineering.

On graduation he was offered a job in Doosan Vina's Chemical Processing Equipment Business Unit where he has worked hard and excelled.

His supervisor, Mr. Nguyen Huu Phan, CPE's Production Section Manager, said "Phat is an employee who has outstanding spirit, creativity and compassion caring and sharing with everyone." This attitude earned him the 2011 BBHD "Excellent Individual" award from the Operational Excellence team.

Sharing some thoughts about his future Phat said, "I am trying my best to work and learn more so I can help my father with the family's expenses so we can all have a better life. I am really happy to see how fast the company has been developing and proud to be able to contribute to the development and to the production of the products that are making life better for people all over the globe."



Mr. Huynh Tan Phat of CPE shop

Doosan Worldwide News Briefs

Mega Contract Awarded

India is the largest single market for thermal power plants in the world after China and Doosan Heavy Industries & Construction won \$1.3 billion of orders for power plants and gained the upper hand in the \$25 billion Indian power market.

Doosan won the order thanks to its localization strategy and acquisition of Indian boiler maker AE&E Chennai Works in January.

Korea's Most Admired Companies

Doosan Heavy Industries & Construction has made the 2012 list of "Korea's 30 Most Admired Companies." The thirty best companies are selected from the 300 largest companies by sales in Korea.

The survey assesses six criteria, namely innovation capacity, shareholders' value, employees' value, customers' value, social value and image value.

Emblem for 50th Anniversary Developed

Doosan has produced a commemorative emblem to mark its 50th anniversary.

Doosan Heavy Industries & Construction, Korea's leading heavy industries company, was established on September 20, 1962, and has spearheaded Korea's engineering industry over the past fifty years, emerging as an undisputed leading global enterprise.

Largest ever 'Family Day Event'

Over 1,000 attendees, including 423 rookie staff, parents, executives and managers held an event of appreciation, bringing together the largest number of people for an event of its kind on January 13.

In his welcoming remarks at a luncheon at the Lotte Hotel in Busan, President Geewon Park told parents of the rookie staff, "We thank you for cultivating your children into the fine individuals we have here today," adding, "and in line with our philosophy that, 'People Are Our Future,' we assure you we will continue the good work you started."



Family Day at Busan



DPS office

Doosan Power System Introduction

by Julie Simpson, Internal Communication Manager

Doosan Power Systems (DPS) builds, maintains and extends the life of power plants around the world. DPS includes some of the most respected names in the power industry such as Doosan Babcock, Skoda Power and the latest addition to the DPS family, Doosan Lentjes.

Today DPS has around 5,000 people working throughout the UK, Czech Republic, Germany, Poland, North America and Latin America.

Coal Generation Europe 2012

This year, 16 February in Warsaw, Poland Coal Generation brought together professionals who develop clean coal energy solutions and satisfy international demand for coal.

Doosan Power Systems was heavily involved in the conference and Matthew Hunt, CCS Business Development Manager presented a paper on 'Examining the viability of CCS'. DPS also chaired a session on oxyfuel advances and emissions reduction and was represented on a plenary panel which discussed "Can Coal Help Fill Europe's Nuclear Energy Gap?"

Campus Recruitment



Hoang Van

Students who have just graduated from university are an important source of talent for many companies and because of that campus recruit has become one of the most useful strategies in the search for the brightest and best recruits.

At Doosan Vina we hold several campus recruitment programs each year at universities all across Viet Nam. The most significant difference between campus recruiting and other methods is that employers come to prospective candidates with a job offer instead of the job seekers reaching out to the company. Campus recruiting gives us the opportunity to approach many applicants at one time to test them, interview them and make offers. In addition to the direct benefit that the recruiting gives us it is also an opportunity to personally promote the company and its image which supports the advertising of the company.

A typical recruiting event involves introducing Doosan and Doosan Vina. We

begin with some introductions by the HRM General Manager, Mr. Vo Hoang Thong and then we'll show our introduction video. Following that we get into job descriptions for the positions in need and continue with a Q&A period and interview the candidates after that.

Most of the candidates at campus recruit have just graduated so in spite of having no experience they are very enthusiastic and eager to try new things and be challenged. These are the people we hope to be able to hire because with such a positive attitude they assimilate easily and make good employees.

Based on the increased requests from all five shops this year, we have been busy holding recruiting fairs. Recently we were at the HCM University of Technology and the HCM University of Technical Education and we had many applicants. We interviewed the applicants over several days and after an intense screening process we narrowed it down to the best of the best. They were made offers of employment and after all was done we had 30 who will soon be our newest colleagues.



The new recruits pause in front of Doosan Vina's Main Office

OE Theme faces off with Ban Byol Hoal Dong



Khac Tuyen

B yol Hoal Dong is the assault weapon of choice for Doosan Vina's technicians when they want to improve productivity, quality or safety, but Engineers and Office Staff don't enter the battle for excellence unarmed. No sir, they have a tactical weapon known as the "Operational Excellence Theme" and it gives this group reason to be bold in their quest for excellence.

Changes in the OE Theme program for 2012 have been made to ensure the results are higher quality than last year. The improvements to the OE Theme focus on three main areas: First is consideration of the Section Target; second is to enhance the "Themes" quality, and thirdly is to improve the management of the OE Theme program.

Each Section will set their Targets and each member of the Section will have his own theme that will contribute to section goal. In 2012, each employee will carry out two OE Themes. It begins with Section Manager (SM) suggesting possible themes for the members and then he/she chooses which ones to activate, and finally manages and monitors the progress of the themes with the OE members. The first six months of 2012 have 115 Section Targets and 560 Themes recorded.

To improve the quality of the Themes, a training course on problem solving was held to equip the Theme leaders with the knowhow and skill in March. The training helped the leaders orient the Theme topics on productivity, quality, safety and costs. Topics focussed on Lead Time, TFT and the Skill Matrix were also recommended.



A problem solving training course held to support the theme's leaders



Most of the staff will be involved at some point

To improve the management of the OE Themes weekly, monthly, quarterly and annually presentations on the current status of individual Themes will be held and OE will also more closely manage progress throughout the year.

Depending on a person's position, OE Theme Activity accounts for up to five percents of an individual's MBO assessment. Evaluations will be conducted in June and December to indentify the best Themes and outstanding Sections. With a great deal of anticipation the BOM is waiting to see the fruits of this effort by the Engineers and Office Staff.

International Da



Huyen Trang

There is no day on the calendar more important to the men of Vietnam than March 8th, International Woman's Day (IWD). If you forget an anniversary or your wife birthday there is sure to be penance to pay, but forget March 8th and you may as well pack your bags soon.

IWD began over a hundred years ago with the first International Woman Conference in Denmark and since that first conference women's equality has advanced tremendously. Another result of the conference was the institution of International Women's Day which has grown

into a truly global event that now involves millions of women all around the world.

To make sure we had the day well covered at Doosan Vina we organized an event that would unmistakably assure the women that we appreciated all they do.

The event began at 09:15 with three buses heading out to the five shops to pick up our 230 female employees spread over the 110 hectare complex. Once transported back to the Main Office where the event was held, the ladies arrived to an honor guard of their male colleagues who applauded their arrival

The Master of Ceremony welcomed the ladies and Mr. Hang Ha Ryu, General Director delivered the official greetings and thanked the ladies for their contributions to Doosan Vina. Ryu said, "For thousands of years, the women of Vietnam have played an essential role in the nation's history and are noted for their hard work, intelligence and creativity."

Next, on the program was the silver throated baritones of the Music Club who took center stage and soon had the ladies swaying, swooning and looking wistfully at the talented young men crooning away up front.

Following the entertainment, the ladies had a chance to win some cash and prizes by playing a popular TV Game Show called



The ladies are welcomed by their male colleagues



*Ms. Mao Thi Loan Quyen and
Ms. Nguyen Le Nguyen of BM*



*Ms. Nguyen Thi Le Hien & Ms.
Nguyen Hoang Van (HRM)*



Men f

Women's Day Celebration



Mr. Hang Ha Ryu, General Director pulls the first lucky number



Mr. Kim Gwang Ju, Deputy General Director displays a lucky number



Ms. Tran Nguyen Kim Thanh, HRSG and Ms. Le Thi Thu Ha, MHE

The Secret Door. Vietnamese women are known to drive a hard bargain and in a matter of minutes the contestants had snatched up all the prizes, cleaned out the host's pockets and left him pulling his hair.

To wrap-up the event the BOM served the specially baked 22 kilogram cake and as each lady left to return to work they received a gift and a rose to once again say thanks for all they do to make Doosan Vina the best place to work in Vietnam



Mr. Dale Gerstenslager, host of the "Secret Door" negotiates to buy a pen from Ms. Nguyen Thi The Cuc, MP.



Members of the Music club entertains the ladies with a song.



Nearly 240 ladies gathered to party and cheer for the entertainment and games held during the event

“Made in Vietnam” Chemical Processing Equipment off to Turkmenistan



Dieu Linh

Doosan Vina has completed and shipped 18 high tech pressure vessels and 20 heat exchangers to South Yoloten, location of the world's fifth largest gas field in Turkmenistan.

Annually 30 billion cubic meters of natural gas are extracted from this important production site and delivered to industrial, commercial and residential consumers worldwide.

The design and fabrication of the South Yoloten equipment began last July shortly after the order was signed. The heaviest piece of equipment in the order was over 299 tons and required a special container ship to

transport the goods to its destination in January.

Today's second and final shipment includes three pressure vessels and nine heat exchangers which weighed a total of 560 tons.

Doosan Vina's Chemical Processing Equipment (CPE) Business Unit creates the massive equipment required to turn the earth's natural resources into the products that are used daily by millions of people. CPE is staffed by a team of international and Vietnamese engineers and technicians that are among the best in the world. The CPE shop has 33,000 square meters of enclosed space and is equipped with the most technically advanced machinery available today.



*A heat exchanger is loaded at Doosan Vina's
purposed built port bound for Turkmenistan*

GIANG THOM WATERFALL

By:Ngoc Khanh

If you combine a sunny day with what nature has bestowed on Giang Thom Waterfall you really have an ideal spot for an afternoon picnic. The falls is only about a half hour from Doosan Vina so it's not only a great spot, but also very convenient.

"Giang Thom Waterfall attracts people who like a peaceful romantic setting and it also has enough to make it attractive for foreign visitors to come explore," one tourist said.

If you love waterfalls and vast green forests full of wild colors then Giang Thom Waterfall located in village 9, Tam My, Nui Thanh district, Quang Nam province is an ideal destination.

At Giang Thom Waterfall there are cliffs to climb that will take you to the top of the falls where you can stand beside the rushing water to enjoy the forest below.

Here you will be serenaded by the whispering sounds of the water as it cascades down the rocks, there are birds and quiet pools to cool your feet and sooth the soul.



A waterfall in the the vast green forest

So if you have a free day get a picnic basket, stuff it full of goodies, pick up a friend and head on over to Giang Thom Waterfall to see some of Vietnam that is off the beaten path.

From Doosan Vina go to the Tam Giang intersection, turn left and go straight for another 15 km, you will get to the foot of the Giang Thom Waterfall. We believe you will have a very nice experience and we look forward to your report!



A wild yet peaceful place

HRSG brings Home the Bronze

By: Khac Tuyen

Operational Excellence and Ban Byol Hoal Dong (BBHD) made great progress last year, making crucial contributions that were foundational to the “rocket development” of Doosan Vina in 2011.

One example was the best BBHD for 2011 that was the brainchild of Harp Assembly-3 in the Heat Recovery Steam Generator (HRSG) shop. It was the number one Keson at Doosan Vina in 2011 and as such had the honor of representing the company in the “International Best Practices Contest” held in Changwon, Korea in February.

The competition was fierce and saw outstanding Kesons go head-to-head against Kesons from Doosan's worldwide operations including Doosan Heavy Industries, Doosan Romania, Doosan Skoda, and Doosan Vina.

Last year, Doosan Vina went to Changwon as an unofficial participant, but this time DV was a full competitor in the global Kesons championship. Leading the charge for the DV team was Mr. Do Thanh Tai, of HRSG and the Keson “Harp Drying Furnace.” The impressive demonstration of HRSG's time and money saving idea came in third out of seven competitors and resulted in a Bronze Medal.

“Before implementing the new drying method, drying Harps used to be a pain that we had to endure in order to meet the strict requirements of customers like Siemens,” said Mr. Tai who went on to say, “At first the specifications seemed like a theme from Mission Impossible because Vietnamese humidity is normally around 80% and even higher in the rainy season, prior to using the newly engineered drying method each Harp took from two to three days to dry and still took extreme care to reach the pre-processing target levels for temperature and humidity”

The new process was the result of more than a month of brainstorming, trial-and-error and teamwork. The answer that the group came up with provided a workable solution that not only met the specs, but exceeded and raised the credibility of Doosan in the eyes of Siemens and incidentally saves 8,500 man hours a year and thousands of dollars.

Speaking at the Contest, Tai said: “We were confident that through Keson we can solve any problem, and the one we demonstrated here is a prime example of what Keson can do to improve production and quality while reducing costs.”



Doosan Vina's benchmarking group at Changwon with Mr. Bong Jin Cho, Doosan Vina's former General Director in Korea

Discipline and attitude are most important



Tan Ut

When Doosan first considered locating in Vietnam, the company understood that being the first industry of its type in the country that the initial training period was going to be intense.

That is why the Technical Education Center (TEC) was the first building to rise on the company's 110 hectare Dung Quat site.

To staff the complex it was necessary to recruit near and far. As the surrounding area was mostly dependent on agriculture the people who were the nearest and most readily available had little industrial manufacturing skills to offer.

What they did have was a determination to improve themselves and intimate experience with hard work, so learning a new trade that gave them opportunities that the rice paddy never would was something they approached

enthusiastically.

Mr. Park Seung Won, GM of Doosan Vina Labor Relations said, "When conducting interviews we place a high degree of value on a candidates discipline and attitude, if a person is disciplined and has a good attitude we can teach the skills, so these are our primary concerns when interviewing."

After recruitment new employees begin a eight weeks intensive training course that teaches welding, calculating theory, how to read drawings and are tasked with the manufacture of miniature products that hones their skills and prepares them for placement in a real production capacity upon graduation.

To date, TEC has trained a total of 1,575 workers. 700 are now C02 welders, 60 Tig Welders, 30 Arc Welders and 785 who are working as fabricators or in other skilled production occupations all over Doosan Vina's five shops.



New workers are trained at Doosan Vina Technical Education Center before being assigned



Trinh V. Truong

Attention to safety

- Every body should remember
Injury, wounds, accidents stalk us
only one will makes us regret
If serious can we survive

- Accidents hurt many
They cost both at work and home
Money wasted, lost man hours
Country weakened if many disabled

- Company lost a worker
No products made, injured commitment
Completion delayed, company fined
Prestige hurt, orders lost

- Social loses
Weakened because of disabilities
We all alert ourselves
Safety is first, nothing more important

- Observing up and down
Left, right, beneath, above
Machines checked before operation
Power, gas, heat examined

- Welding machine should know how to handle
And cover to save from injury
Pliers, hammer, all ready
Wedges tightly and work properly

- Handle the equipment
Always with proper wires
To keep leakage away
Wear masks, gloves and shoes

- Never work haphazardly
Accidents come from any direction
Drillers, lathes, milling machines
Welding rods, X-ray, ground floor

- Working height must follow
Step ladder firmly
Stand and sit with care
Tighten belt and hook it safely

- Crane controller should beware
Objects lifted thousands of kilos
Moving direction defined
Observe front, back carefully

- Accidents happen to anyone
If we don't pay attention to it
Keep us and our neighbor safe
Is everyone duty

- Every body should remember
Safety comes first, others follow.

*Originally written in Vietnamese and translated into
English, so some meaning may have been lost
By Trinh Van Truong, Boiler
Dung Quat Feb. 8th 2012*



CSR Award

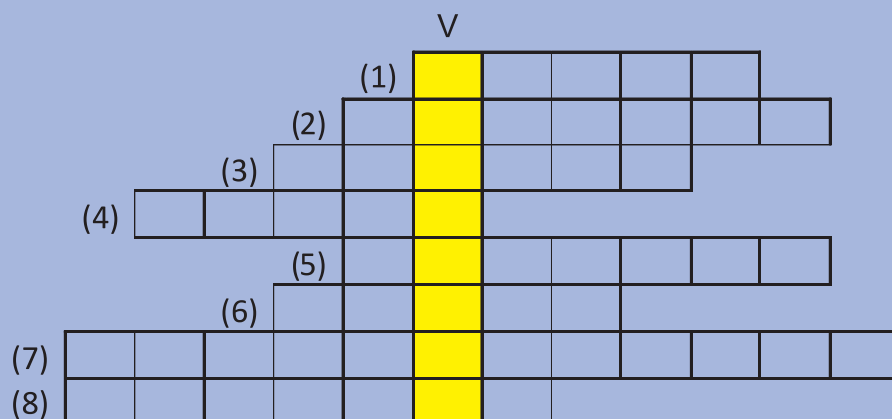
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This month's quiz:(Vertical - yellow) This is something that every enterprise tries to maximize?

- (1). A thermal power plant built by Doosan.
- (2). An extremely important aspect of our products.
- (3). Name of a country that a Doosan Vina product is being shipped to.
- (4). A 900 thousand USD donation by Doosan will happen here.

(6). Number of distillation towers shipped to the Philippines in January.

(8). Doosan Vina always aims to be this position in the world.

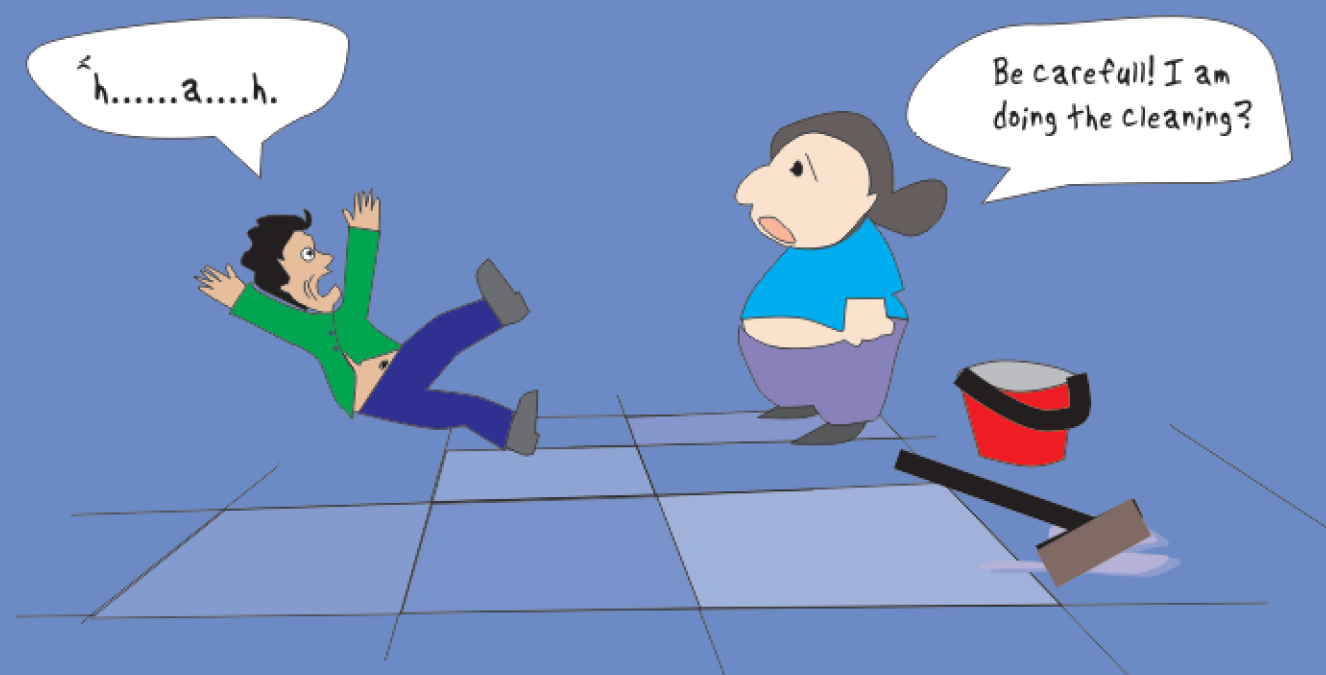


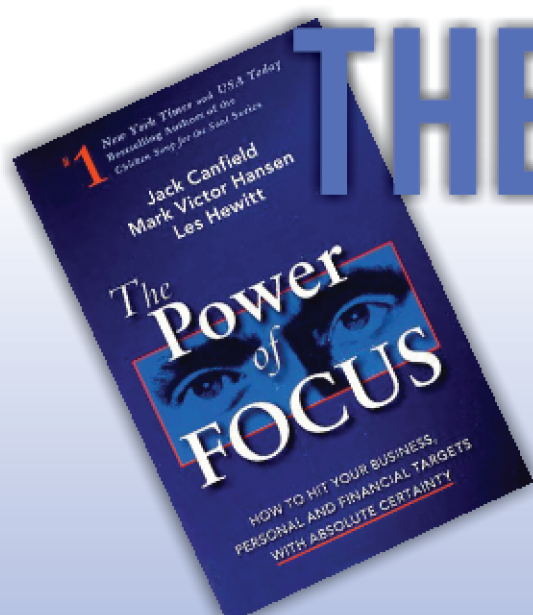
English corner

Topic 3: Safety (an toàn)

protection	: bảo vệ	carefull	: cẩn thận
mask	: mặt nạ, khẩu trang	fire	: hỏa hoạn
glove	: găng tay	explosion	: vụ nổ
belt	: đai an toàn	fire drill	: luyện tập PCCC
glasses	: mắt kính	fire extinguisher	: bình chữa cháy
shoes	: giày	rescue	: cứu hộ
safety uniform	: đồ bảo hộ	hygiene	: vệ sinh
emergency	: khẩn cấp	wear	: đeo, mang, mặc
prevention	: phòng ngừa	slippery	: trơn trượt
safe	: an toàn	alarm	: báo động

SAFETY COMES FIRST





THE POWER OF FOCUS

Authors: Jack Canfield & Mark Victor Hansen & Les Hewitt

Drawn from personal experience Jack Canfield, Victor Hansen, and Les Hewitt will show you how to solve the impasse in your life by focusing on solving three key issues: time pressure, financial freedom and the balance between family life and work.

With 10 effective strategic focuses, the book will give you practical and useful methods to changing bad habits, establish new and effective habits, focus on what you do the best; live with objectives; build great relationships and more.

The strategy will be powerful weapons to help you avoid mistakes and create a balanced life, saving time and effort.

Let practice following by the instructions in this book, you will notice the changes in your life every day, every hour. We hope the book will be a close friend, a star to guide you in all areas of life, whoever you are!

Mrs. Hue's household helpful hints

Create your own home fragrances with essential oils, such as cinnamon, orange, lavender, peppermint or eucalyptus, which can be found at independent drugstores. Try these hints to make every room smell wonderful:

Air fresheners: Put several drops of peppermint or cinnamon on cotton balls and place in a margarine container or small jar. Poke holes into the lid and put in an out-of-the-way area behind furniture or in a guest room or bathroom and your guests won't have a clue.

Scented light bulbs: Dab a bit of oil of clove, peppermint or eucalyptus on a cool light bulb. When you turn on the light, the scent will drift throughout the room.

Refresh dried flowers and wreaths: Add a few drops of your favorite essential oil to freshen



and revive. Do not put oil directly on silk flowers or any material because it could stain.

Good kitchen smells without cooking: If you don't have the time to bake all day in your kitchen, create an inviting smell instead by putting a few drops of cinnamon, anise, orange or peppermint oil on a cotton ball and put it on the inside of the cardboard tube of the paper towel roll or dab on a dried-flower arrangement. Simmer a small pot of water and add a drop of the essential oil that matches the mood you want to create.



Happy Birthday

Dept	Name	Brithday	Dept	Name	Brithday	Dept	Name	Brithday	Dept	Name	Brithday	
ADM	Vo Minh	03.26		Ho Quang Cuong	03.21		Nguyen Thanh Dung	04.08		Dinh Van Rang	04.01	
	Do Xuan Sang	03.10		Vo Thai An	03.26		Lam Ngoc Trung	04.30		Truong Thanh Hung	04.17	
	Nguyen Tan Nhac	03.13		Vo Van Phuoc	03.02		Ly Anh Vu	04.20		Pham Duc Chinh	04.10	
	Tran Van Dieu	03.03		Nguyen Thanh Truyen	03.28		Ngo Minh Tien	04.26		Nguyen Van Dung	04.01	
	Hoang Long	03.05		Nguyen Dinh Hiep	03.20		Tran Dai Hau	04.14		Le Hong Qui	04.03	
	Nguyen Van Bi Vu	03.01		Nguyen Ngoc Thu	03.21		Huynh Dang Khoa	04.10		Truong Van Ky	04.17	
	Nguyen Van Dung	03.26		Dang Van An	03.20		Nguyen Van Thanh	04.19		Dang Hong Luan	04.22	
	Nguyen Huy Cuong	03.03		Nguyen Huy	03.20		Tran Minh Tri	04.07		Pham Thanh Nhan	04.29	
	Jung Hyun Chul	03.14		Pham Tuan Vu	03.17		Nguyen Van Thinh	04.26		Nguyen Tan So	04.16	
	Nguyen Thanh Tru	03.29		Huynh Nhu Y	03.24		Nguyen Van Bay	04.29		Le Tan Len	04.02	
Boiler	Nam Sang Seung	03.12		Nguyen Van Luc	03.14		Vo Tan Chau	04.20		Dang Hoai Phuong	04.29	
	Nguyen Tai Phi	03.20		Dang Van Doan	03.27		Duong Van Mot	04.16		Nguyen Van Ha	04.20	
	Huynh Thi Vinh Huy	03.10		Chau Ngoc Thanh My	03.20		Le Viet Luan	04.27		Nguyen Duc Thuan	04.30	
	Le Thi Hong	03.02		Tran Nhu Trong	03.06		Dinh Tan Vinh	04.12		Ngo Tung Vuong	04.19	
	Pham Van Hien	03.03		Nguyen Van Hieu	03.10		Le Tan Nghia	04.02		Mai Xuan Pho	04.18	
	Nguyen Vuong Vu	03.08		Pham Van Thi	03.04		Huynh Thanh Hong	04.24		Vo Duc Tin	04.02	
	Dang Van Hung	03.29		Truong Quang Hoang	03.05		Ngo Cam Hung	04.10		Nguyen Minh Them	04.11	
	Nguyen Phuc	03.20		Nguyen Van Toan	03.03		Nguyen Quang Vinh	04.11		Nguyen Thi Thu Thuy	04.10	
	Cao Van Thanh	03.16		Pham Thai Thien	03.11		Tran Ngoc Dieu	04.29		Pham Tan Phuc	04.05	
	Nguyen Phu Linh	03.10	MM	Truong Van Long	03.26		Le Thi Anh Thu	04.16		Pham Hong Cuong	04.16	
CPE	Huynh Van Lam	03.15		Do Van Nghia	03.22		Tran Ngoc Thuan	04.04		Pham Tan Bao	04.05	
	Le Hong Duy	03.20		Nguyen Cao Cuong	03.16		Tran Quoc Dong	04.03		Nguyen Thi Thuy Van	04.02	
	Nguyen Minh Thu	03.10		Bui Van Banh	03.09		Nguyen Thi Bich Hanh	04.04		Le Van Phong	04.16	
	Nguyen Duy Trang	03.17		Nguyen Trong Huy	03.30		Vo Minh Thanh	04.12		Duong Thanh Quang	04.10	
	Do Trung Nam	03.08		Le Tan Cong	03.26		Truong Cong Trinh	04.20		Pham Ng. Dong Quan	04.16	
	Bui Tan Hanh	03.10	NDE	Vo Van Thanh	03.20		Nguyen Tan Chanh	04.14		Le Hien	04.14	
	Nhu Sy Hung	03.20	OE	Jung Hyun Jin	03.18		Tran Quang Thuong	04.20	MM	Yang Bong Hyun	04.10	
	Tran Van Canh	03.30	PS	Duong Chi Linh	03.02		Phan Long Tuan	04.28		Vu Tran Kha	04.21	
	Dang Viet Dong	03.29		Le Thi Thanh Phuong	03.05		Huynh Van Danh	04.18		Pham Duoc	04.04	
	Pham Le Nhu Thien	03.14		Nguyen Dinh Bao	03.25		Le Tan Duong	04.02		Vo Ngoc Bang	04.02	
EHS	Tran Xuan Thuyen	03.10		Quach Duc Ha	03.10		Nguyen Tan Hoang	04.11		Nguyen Tan Su	04.24	
	Nguyen Cong Thanh	03.27		Tran Van Su	03.02		Nguyen Tuong Long	04.10		Hoang Thanh Long	04.13	
	Nguyen Van Cam	03.10		Nguyen Van Quy	03.02		Do Tan Huy	04.13		Le Xuan Hao	04.05	
	Le Van Dien	03.07		Pham Ngoc No	03.04		Pham Nhat Sinh	04.02		Nguyen Tai Tinh	04.10	
	Bui Van Phat	03.13		Pham Tam	03.12		Tran Quoc Truong	04.04		Tran Khai Hoan	04.24	
	Pham Thanh Tuan	03.02		Le My Hoa	03.04		Nguyen Chi De	04.04	NDE	Pham Quang Ly	04.25	
	Vo Thanh Van	03.02	QA	Luong Viet Luc	03.19		Nguyen Huu Vinh	04.22		Tong Van Vang	04.17	
	Pham Ngoc Manh	03.20		Pham Huy	03.16	EHS	Tran Xuan Hoang	04.04		Doan Van Anh	04.20	
	Nguyen Van Minh	03.15		Vo Trung Quang	03.02		Nguyen Thi Kim Huyen	04.06		Le Anh Chuc	04.30	
	Doan Khanh	03.29	QC1	Tran Ky Nhut	03.12		Truong Thi Nhu Thuan	04.09	OE	Le Huu Au	04.04	
FM	Nguyen Thanh Binh	03.26		Huynh Van Nhut	03.12		Nguyen Van Du	04.20	PS	Le Tan Qua	04.15	
	Nguyen Duc Thai	03.26		Tran Xuan Thanh	03.17	ER	Nguyen Le Trang Tinh	04.20		Nguyen Han	04.16	
	Nguyen Thi Tuong Vi	03.19	QC2	Bui Van Dong	03.02		Le Thi My Dung	04.20		Phan Thanh Hau	04.24	
	Le Da	03.14		Bui Van Hanh	03.23	FM	Le Vien Thuat	04.20		Pham Van Phuoc	04.16	
	Nguyen Quoc Trinh	03.02	TE	Vo Minh Toa	03.05		Vo Gia Quynh	04.28		Bui Mai	04.02	
	Nguyen Tan Thanh	03.06	TP	Nguyen Ngoc Thai	03.05		Huynh Duong Thu	04.26		Do Van Ngai	04.04	
	Pham Thi Minh Hieu	03.30	Water	Kwon Sung Gi	03.14		Huynh Van Thom	04.24		Vo Van Nghia	04.10	
	Vo Xuan Hong	03.06		Cao Van Sinh	03.23		Nguyen Thanh Dung	04.10		Nguyen Chi	04.13	
	Nguyen Bao	03.08		Dinh Cao Huan	03.01	HRD	Nguyen Duc Thoi	04.21		Nguyen Anh Thi	04.06	
	Le Van Trinh	03.25		Than Trong Nghia	03.28	HRM	Dang Thi Xuan Vi	04.02	QC1	Bui Van Canh	04.06	
HRD	Tran Dinh Tiec	03.12		Pham Van Ha	03.20		Le Van Quan	04.30		Duong Thanh Hoa	04.03	
	Tran Van Thien	03.05		Huynh Thanh Quy	03.21	HRSG	Jung Jong Ok	04.14		Pham Vuong	04.15	
	Pham Ngoc Hiep	03.17		Le Van Tru	03.02		Ho Sy Phu	04.26		Nguyen Huu Thien	04.05	
	Le Van Khanh	03.14		La Van Duong	03.29		Le Thi Tham	04.04	QC2	Vo Hong Diep	04.08	
	Truong Minh Canh	03.28		Nguyen Chi Thanh	03.14		Le Huy Cuong	04.05		Dang Quang Vuong	04.15	
	Doan Thi Kim Nguyet	03.26		Huynh Quoc Thinh	03.01		Pham Ngoc Minh	04.10		Doan Van Khoi	04.22	
	Kim Wi Gyu	03.28		Dinh Tan Vuong	03.24		Cao Thanh Tu	04.08		Phu Trung Hoa	04.19	
	Pham Huu Trong	03.23		Pham Ngoc Truyen	03.10		Pham Ngoc Chau	04.10	TP	Nguyen Thi Thuy Ninh	04.10	
	Tran Tan Thien	03.19		Chau Van Thao	03.28		Do Thanh Tai	04.20		Nguyen Ngoc My	04.25	
	Le Loi	03.18		Le Giang	03.14		Le Tuan Sang	04.23	Water	Kim Tae Kyung	04.01	
HRSG	Ung Dinh Tan	03.23		Dinh Van Len	03.30		Dinh Hien	04.02		Tran Minh Cuong	04.20	
	Nguyen Huu Chuong	03.11	ADM	Myung Jung Kwan	04.02		Ho Van Thang	04.11		Ngo Van Kieu	04.30	
	Nguyen Nhat Khoa	03.17		Nguyen Viet Tuan	04.20		Cao Cuong	04.18		Nguyen Quoc Huy	04.04	
	Nguyen Van Tu	03.25		Cho Sung Min	04.26		Nguyen Huu Tung	04.26		Nguyen Ngoc Quang	04.24	
	Pham Thanh Binh	03.17		Nong Van Quang	04.28		Huynh Ngoc Hiep	04.15		Nguyen Hong Hiep	04.08	
	Nguyen Van Oi	03.10		Nguyen Ngoc Chien	04.12		Nguyen Duc	04.04		Ngo Van Truong	04.24	
	Vu Anh Thuan	03.26		Dinh Vo Tuan	04.20		Nguyen Tan Quang	04.30		Vo Thanh Duy	04.25	
	Nguyen Thanh Tuyen	03.10		Pham Anh Thuong	04.20		Phan Van Vuong	04.25		Thoi Cong Vu	04.24	
	Hoang Vinh Hung	03.23		Phan Ly	04.14		Pham Thuoc	04.24		Tu Minh Khuong	04.19	
	Pham Thi Thu Mo	03.16		Vo Phuoc Duy	04.14	IM	Nguyen Tan Tien	04.17		Pham Van Sinh	04.10	
MHS	Kim Beop Seo	03.20	Boiler	Pham Minh Tuan	04.14		Dao Thi My Hanh	04.28		Bach Trung Tieng	04.22	
	Dam Viet Khoa	03.10		Hoang Duc Hieu	04.10		Tran Thi Thanh Tram	04.25		Nguyen Thanh Hoa	04.06	
	Nguyen Van Thanh	03.02		Nguyen Van Khai	04.07	LS	Phan Thi Ha Nhi	04.26		Tran Dinh Sang	04.01	
	Dinh Duc Yen	03.27		Truong Van Thanh	04.01	MHS	An Seong Ho	04.29		Pham Thanh Sen	04.17	
	Nguyen Ngoc Thien	03.22		Pham Ba Trieu	04.23		Pham Tan Chung	04.20		Huynh Duoc	04.07	
	Tran Van Manh	03.24		Pham Hoang The Manh	04.30		Le Van Dung	04.13		Nguyen Ngoc Cong	04.01	
	Tran Trong Phuong	03.20		Phan Thanh Phat	04.20		Nguyen Thi Anh Dao	04.30				
	Truong Van Binh	03.18		Pham Minh Cuong	04.21		Nguyen Quynh Khoi	04.12				
	Pham Chi Tam	03.15		Cu Van Hung	04.09		Pham De	04.12				
	Tran Nhu Tuyen	03.26		Tran Dang Hung	04.05		Nguyen Duy Dac	04.20				
			Dinh Tien Vu	04.20		Huynh Tan Duy	04.20					

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