

Fueling Progress

The Chemical Processing Equipment Business Unit at Doosan Vina produces the high tech equipment that turns the Earth's natural resources into safe and useful products that are improving life all over the world.



Building Your Tomorrow Today!
Doosan Heavy Industries Vietnam
www.doosan-vina.com

Bản Tin

DOOSAN

Vina News

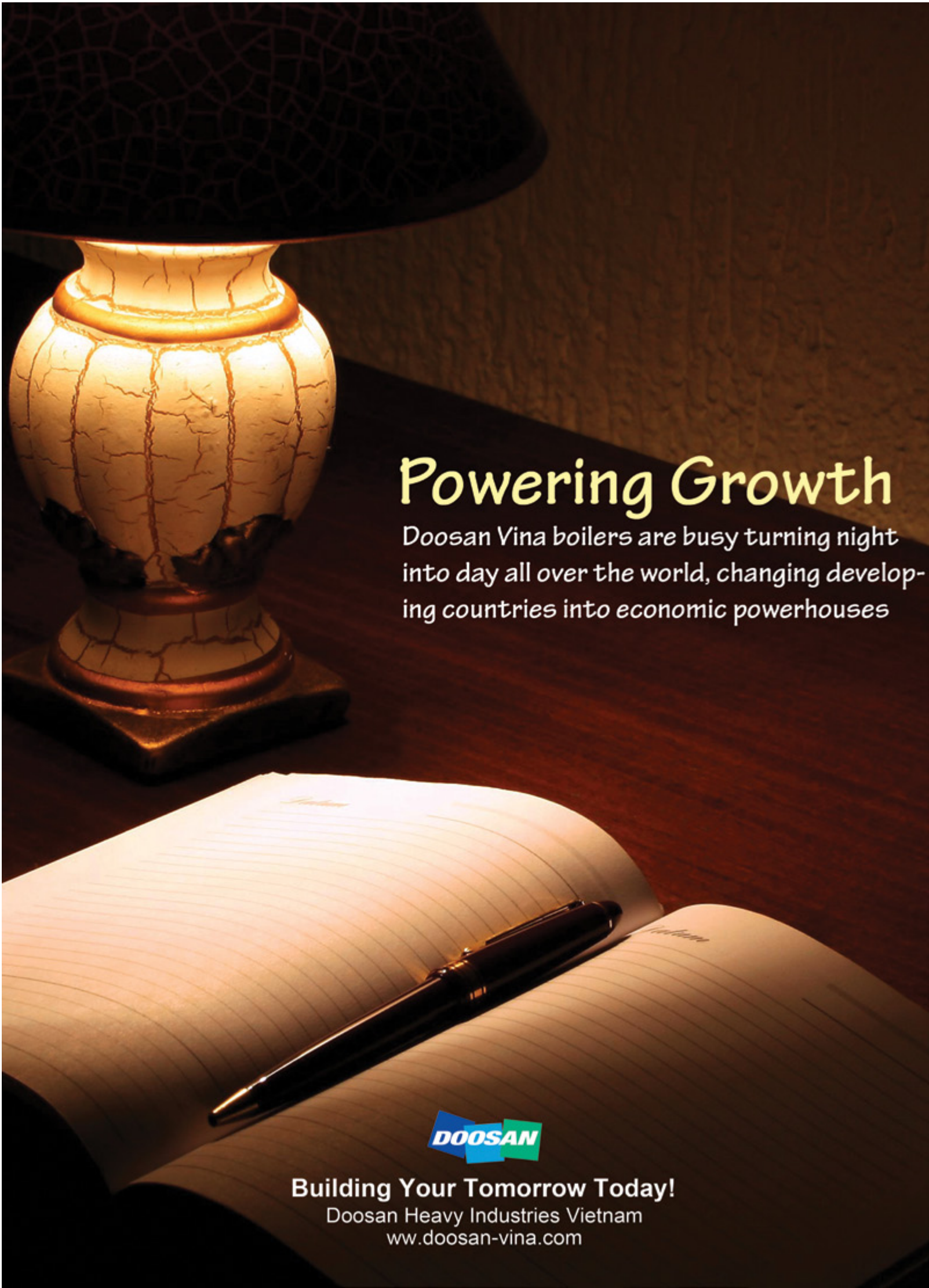


Chairman's Speech
Page 04

International Award
Page 10

Corporate Social Responsibility
Page 20

MADE IN VIETNAM
MY COUNTRY - MY PRODUCTS - MY PRIDE



Powering Growth

Doosan Vina boilers are busy turning night into day all over the world, changing developing countries into economic powerhouses



Building Your Tomorrow Today!

Doosan Heavy Industries Vietnam
www.doosan-vina.com



Doosan Heavy Industries Vietnam

Publisher

Mr. Hang Ha Ryu
General Director Doosan Vina

Editorial Board Director

Mr. Kim Gwang Ju
Deputy General Director

Editor-in-Chief

Mr. Dale Gerstenslager
dv.dale.gerstenslager@doosan.com
Public Relations & Communications
General Manager

Editorial Team

Le Thi Dieu Linh	Editor
Le Thi Huyen Trang	Coordinator
Nguyen Van Nhan	Designer
Su Ngoc Thang	Designer
Doan Thanh Hai	Photographer
Huynh Van Trung	Assistant
Pham Quang Duc	Assistant
Dao Thi My Hanh	Assistant
Pham Thi Sen	Assistant
Tran Khac Tuyen	Correspondent
Vo Thi Lai	Proof Reader

Building Your Tomorrow Today!

Doosan Heavy Industries Vietnam - Dung Quat Economic Zone, Binh Thuan, Binh Son, Quang Ngai.
Tel: +84 553618900 Fax: +84 553618956 Email: dv.editor@doosan.com. Publication License No: 63/GP-STTTT by the Department of Communications and Information of Quang Ngai, issued dated: sep 13th 2013 . Printed at HCM Nhan Dan Newspaper Printing Ltd. Quantity: 3.500 copies. Sep. 2013

Website: <http://doosan-vina.com>

One Mind, One Voice, One Action



Contents

	Page
Quang Ngai Award	3
Chairman's speech	4
Lean manufacturing	8
International award	10
Family day	12
Localization	14
Shipments	16
Meet the team	18
Training & development	20
CSR	22
Periodical health check	24
Club news	26
VIP visitors	28
Technical skill	30
News briefs	32
Operational Excellence	34
Beyond summer camp	36
Fun & self improvement	38





On the Cover

A Korean and Vietnamese Doctor team up to repair the palate of a young child. The youngster who has suffered with a cleft palate disorder since birth will see a substantial improvement in his quality of life. The repair will allow him to eat, breath and look like other children.

The surgeon on the cover, Dr. Bae Tae Hee, from Chung Ang University Medical Center was one of a team of 10 medical staff who volunteered their time to come to Vietnam and provide medical care.



Dr. Bae Tae Hee

The surgery is taking place at the Quang Nam Central General Hospital that was built and equipped with a grant of \$35 million from the Korean Government through KOICA.

Community Partnership & International Award

The people of Quang Ngai Province, where Doosan Heavy Industries Vietnam is located, have come to look forward to the annual Corporate Social Responsibility Medical Service we hold here in Vietnam in conjunction with Chung Ang University Medical Center of Seoul each summer. This was the fifth anniversary of the program and it was a grand success. In addition to the health care provided for the community around the company's complex, we expanded it this year and made new friends in the adjacent province of Quang Nam. The doctors and medical staff from Chung Ang University Medical Center treated some 2,500 people, provided cleft palate surgery for 11 children and at the conclusion of the service two children with congenital heart defects were escorted by the team back to Korea and Chung Ang Hospital for some specialized heart surgery. To read the complete story and to see some photos of the event turn to page 20.

Another exciting bit of news is that Doosan Vina News (in your hands or on your screen) along with DVTV, our in-house-news channel were responsible for Doosan Vina receiving a Bronze Trophy in the International Business Awards program known as the Stevie's. Similar to the Oscar's, the Stevie's recognize excellence in the business world. We are proud and humbled to have received this distinguished honor. An article is on page 10.

Clubs continue to be active, shipments have been steady and many VIP's have passed through the company in recent weeks. Please turn the page and we hope you enjoy this award winning publication.



Quang Ngai gives Award



Quang Duc

Chairman of Quang Ngai Provincial Peoples Committee, Cao Khoa and Ms. Truong Thi Xuan Hong, Vice Chairwoman of Quang Ngai People's Council along with Mr. Le Van Dung, Deputy Head of the Dung Quat Economic Zone Management Board recently visited Doosan Vina to honor the company's success during the first half of 2013 and presented CEO, Hang Ha Ryu with an award to recognize the company's contribution and progress.

Speaking at the August 2nd ceremony Chairman Cao said he was impressed with and appreciated the company's increase in revenue, GDP, industrial production and increased exports that contribute to the development of Quang Ngai Province. He said this was especially significant when taking into account today's worldwide economic situation. Chairman Cao also thanked the company for its extensive CSR charity programs that have provided health care for more than 12,500 people in Quang Ngai and Quang Nam, surgery for 60 cleft palate children and taking 19 children to Korea for advanced surgical procedures for Cleft palate and heart conditions. To-

tal costs for the company's CSR programs in Vietnam now exceed \$2 million.

During the meeting Hang Ha Ryu reported on the company's production for the first six months of 2013, highlighting export value of \$196 million, (which accounted for 62.1% of the total provincial exports) that contributed nearly 47 trillion VND to the provincial budget as well as providing stable jobs for nearly 2,500 Vietnamese of which 86% are locally hired.

Issues of concern to the company were also discussed including problems related to the investment process such as: hand over of the D2 road to the company, reimbursement for port dredging, and power grid safety issues.



PPC Chairman Cao Khoa presents a certificate commemorating Doosan Vina's "Outstand Results" to Hang Ha Ryu, CEO and GD

117th Anniversary Celebration Message from the Chairman



Yongmaan Park Chairman
& CEO of Doosan Group

Dear Doosan Family,

On August 1st, we celebrate the 117th anniversary of Doosan's foundation. I am incredibly proud of what we have achieved during this past decade, opening a new chapter in the long history of Doosan.

Today, I am reminded of the time we were preparing for the centennial anniversary of Doosan's foundation. It was in the mid-90s, and while busy planning for the celebrations, I was also thinking deeply about what Doosan's next hundred years should be like.

Like a CEO of a new start-up company, I thought about everything from scratch. After many long hours of deliberation, I came to the conclusion that a dramatic change was needed. As a result of this decision a decade ago, Doosan made an unprecedented transformation that changed the history of our company. This was the decision that made what Doosan is today: a leading, globally recognized ISB (Infrastructure Support Business) company. The transition has been challenging, but we succeeded and learned an important lesson from the experience. We learned that the future is for those who start everyday afresh and anew.

We are living in a critical time in history. As many have anticipated, it looks like it will take years before the world will start to recover from the global economic downturn. The global business environment is different from what we experienced previously. In the past, those who survived through severe economic crisis were often rewarded with strong and rapid growth once the crisis was over. These days, however, most companies manage to endure difficult times while the problem of over-investment persists around the world. As such, the prospect of immediate steep growth for surviving companies is a thing of the past.

For this reason, it is no longer good enough to just survive through the crisis. The new post-crisis market order will depend on how hard companies worked to strengthen their fundamental competitiveness during those troubling years. During the difficult times, it is natural for companies to go into 'survival mode', reducing costs and investment. The result is that the price competition in the market becomes fiercer and those without a strong fundamental competitiveness often crumble. The problem is that companies who fail to rise above survival mode and continue their efforts to strengthen their fundamental competitiveness will fall behind in the competition that comes after the crisis. Only the well prepared will become the leaders in that new order. This is why I call for everyone to think about our company's 'fundamental competitiveness' on this important day celebrating the 117th anniversary of our foundation.

Our customers are the reason Doosan was able to exist for the past 117 years. The true measure of Doosan's success is our customers' satisfaction and respect. This same focus should also apply to our competitiveness. We must be driven to achieve competitiveness defined in our customer terms; we should not measure it using our own benchmarks. As Doosan strives to strengthen its fundamental competitiveness, we must remember that being customer-centric is the basis of the best business decisions and operations and

that success for our customer means our own competitive triumph.

Fortunately, the importance of fundamental competitiveness has been recognized by us with the launch of the Doosan Way and we have been working hard for the past several months to devise ways to strengthen that competitiveness. Since the beginning of this year, each subsidiary of the Doosan Group has been making specific plans and steps towards to strengthening it further. Initially, our plans and strategies somewhat lacked concreteness and feasibility. However, they have now been refined, tuned and improved considerably through many hours of work and contemplation.

Now is an opportunity for us to make investments into what will make us a global leader in the years to come. We must put every effort into building our fundamental competitiveness despite the difficulties surrounding the global market. Our priority should be on developing products and technologies that can change the global market order, building processes and systems that can turn our competitiveness into profit, and fostering people who can make all of this possible. In addition, we must clearly define who our competitors are and come up with specific measures and processes to win in the marketplace.

All strategies and action plans must be executed with consistency (2-3 years for short-term goals and 4-5 years for long-term goals) and with a clear vision of becoming a stronger Doosan. By doing so, I am confident that we will thrive in the years when the world begins to recover from the global recession.

To encourage those who work hard to enhance our company's fundamental competitiveness, Doosan will continue to reward those who make good 'results' as well as good 'attempts', as was demonstrated on the Doosan Way Day when we celebrated our achievements and best practices. Of course, what's even more important is to create an environment where people can freely exchange creative thoughts and innovative ideas, small or large. I commit myself to creating an organization where innovation is encouraged, developed and lauded. Through open communication, we must set a clear direction under which many innovative and creative ideas can be born.

Dear Doosan Family,

A company of ten years of history will aim for the next decade of success. We are a company of over a hundred years. And our outlook for the future should be broad and far-sighted to match our history.

Today is the first day of our next century of success. This is the day we, once again, take the first step towards our dreams and visions.

It is time to prove to the world once again what we are capable of. Let us continue to fill the chapters of our proud history, the legacy that the People of Doosan have passed on for these past hundred years.

"Proud People, Proud Doosan"

August 1st, 2013

Yongmaan Park
Chairman and CEO of Doosan Group



Important message regarding “Safety and Environment”



Yongmaan Park Chairman
& CEO of Doosan Group

Dear Doosan Family,

I would first like to express my sincere appreciation for your hard work and dedication to implementing the values and philosophies of the Doosan Way in our organizations.

As you may know, we have recently witnessed numerous cases of accidents taking place in various industrial sites due to lack of safety measures. I believe these accidents are a reminder for us all that companies must always pay special attention to preventing accidents and protecting the health and lives of their employees. For Doosan, the Doosan Credo is the foundation on which we believe we can realize our vision of becoming a Proud Global Doosan. Today, I would like to focus on one of its core values that can easily be taken for granted despite its importance: “Safety and Environment”.

The recent result of the Doosan Way Survey, which was shared on the Doosan Way Day held last month, showed that responses for “Safety and Environment” varied among different regions and sites. This may be a result of cultural and legal differences; however, I would like to take this opportunity to emphasize the universally acknowledged importance of safety and environment once again, as this is an element that can directly affect the lives of our employees.

As stipulated in the Doosan Credo, providing a clean and safe environment is responsibility to each other. Doosan’s principle on safety and the environment is based on the belief that nothing is more important than life itself. While we are obligated as a corporation to make business decisions for maximizing profit, reducing costs, and meeting delivery commitments, we must always remind ourselves that nothing can ever come before safeguarding lives. Considering that the foundation of Doosan’s business philosophy is “respect for people”, we cannot overemphasize the importance of safety and environment. Building and maintaining a safe and clean working environment not only protect our lives, but ultimately create higher levels of productivity. In this sense, our commitment to health and safety is essential to achieving both our business philosophy and our objective of maximum productivity.

Such business philosophy must be maintained in our work environment and sites. It is important to focus on productivity and finishing projects diligently, but EHS must not be seen as an “added burden”. Safety and environment must not be put in the back burner and activities to promote these values must not be regarded as bothersome or a nuisance.

Transparency in communication, including accident & incident reporting, must not be compromised because of fear to report accidents and face consequences. Such action would be a direct violation of “Open Communication”.

Today, I am declaring the following basic principles of the “Safety and Environment” values in our organizations. I would like to ask all employees of Doosan to make every effort to uphold these principles everywhere they operate.

First of all, any accidents or violation of EHS will be taken very seriously and will be reflected on employee evaluations. Furthermore, all violators will be held fully accountable for the consequences of their actions, even if they have posted strong business performance.

Wherever we work, protection of safety and environment must always come first. This is not just the responsibilities of EHS-related teams or organizations. Nothing can justify any act that compromises the safety of our people. All leaders of Doosan have a fundamental obligation to maintain our work environment clean and safe. I ask for your sincere cooperation in protecting the lives and health of all those who work with us, keeping in mind that safety and environment are the foundation for our long-term business growth.

Meanwhile, some people may make the mistake of delaying accident reports until things get out of hand. This is a classic example of “foolish tenacity”, which directly goes against our principles of “Integrity and Transparency”. Such delay, reduction, or concealment of reports must not be tolerated. All safety and environment-related issues and accidents must be reported to managers and related teams as soon as possible. This is not to point fingers at the person responsible for the accident, but to safeguard the lives and health of our people. Concealing accidents can only lead to recurrence. By disclosing and sharing all that has happened in the process of the accident, we can learn from it quickly and take measures to prevent the same problem from occurring again. Every accident that does not get reported is an opportunity lost for improvement.

Let us remember that safety and environment can be protected by our mindset. Let us commit ourselves to safeguarding the lives and health of our people and keeping our working environment safe and clean at all times.

Sincerely,
Yongmaan Park
Doosan Group Chairman



Working More Efficiently



Chemical Processing Equipment

How much waste does your company, division or department produce? Do you ever have to wait for someone else to finish their work so you can get on with your job? How can you reduce waste and do things more efficiently? And how can you keep up with the changing demands of consumers? The answers to these and many more production questions can be found in the "Lean Manufacturing" program that CPE recently put into practice.

The program was launched on July 8th as a major initiative to help CPE achieve their target of manufacturing 10,500 tons of product this year. Lean Manufacturing is such an important program that it warranted a visit by Park Tae Won, Executive Vice President of Doosan Engineering & Construction to come and officiate at the opening.

Lean Manufacturing is a program designed to simplify and organize the production process while reducing waste and maximizing the utilization of people, equipment and workspace. It also assures that what is needed is available on a just in time right now basis. A key component and

Park Tae Won, Executive Vice President, Doosan Engineering & Construction, (above left) speaks to CPE employees at the Lean Manufacturing Launch

focus of Lean manufacturing is to find efficiencies and remove wasteful steps that don't add value to the end product.

Lean Manufacturing has three stages: 1 – Identify waste; 2 – Analyze the waste, and find the root cause and; 3 – Solve the root cause and repeat the cycle.

Speaking at the opening ceremony, Park Tae Won emphasized the benefits that the program would bring to the manufacturing process and stressed the importance of enhancing our competitiveness. "Lean Manufacturing and improved competitiveness go hand-in-hand and are necessary so that we can build our customer base and attract more orders that will assure us of hitting our targets in spite of the difficult global market conditions all businesses face today." Park also congratulated the CPE team on their achievement of the new 90,000 ton production record for last year and encouraged them to embrace these new programs wholeheartedly so that next year we can once again celebrate a new production record.



Park Tae Won EVP E&C, Ryu Hang Ha CEO & GD DV & Jeong Seong Tae CPE Director tour the CPE shop



Luong Van Huu, and the CPE team take the Lean Manufacturing oath



DOOSAN HEAVY INDUSTRIES VIETNAM WINS INTERNATIONAL BUSINESS AWARD

Doosan Heavy Industries Vietnam (Doosan Vina) was named the winner of a Bronze Stevie® Award in the Communications/PR campaign/program of the year – internal communications category in The 10th Annual International Business Awards announced on August 14th.

The International Business Awards are the world's premier business awards program. All individuals and organizations worldwide – public and private, for-profit and non-profit, large and small were eligible to submit nominations. The 2013 IBAs received entries from more than 50 nations and territories.

Nicknamed the Stevies for the Greek word for “crowned,” the awards will be presented to winners at a gala awards banquet at the W Hotel in Barcelona, Spain on 14 October.

More than 3,300 nominations from organizations of all sizes and in virtually every industry were submitted this year for consideration in a wide range of categories.

The award was for Doosan Vina's two internal communication vehicles, Doosan Vina Television (DVTV) and Doosan Vina News (DVN). These communication channels are the main way the company shares information and updates their 2,300 employees and other stakeholders with pertinent

and relevant information.

The 110 hectare complex is the forward strategic production base of the Doosan Group of South Korea and is located in Vietnam's Quang Ngai Province within the Dung Quat Economic Zone. “It is a tremendous honor for us to win an international award like this, especially since we only held our Grand Opening a little more than four years ago. I would like to express my congratulation to the Public Relations & Communications team who are the key people responsible for this achievement,” said Hang Ha Ryu, Doosan Vina's CEO's and General Director.

Stevie Award winners were selected by more than 250 executives worldwide who participated in the judging process this year.

“The 2013 International Business Awards are noteworthy for featuring the best collection ever,” said president and founder of the Stevie Awards. Details about The International Business Awards and the lists of Stevie Award winners are available at www.StevieAwards.com/IBA.

Doosan Vina Public Relations & Communications Team members proudly display copies of the Doosan Vina News, one of the tools they use to communicate with the company's 2,500 employees. Doosan Vina News and the in-house broadcast channel, DVTV were the basis of the award and instrumental in winning the Bronze trophy in the International Business Awards competition known as the “Stevie's”.

Strengthening Bonds



Pham Thi Quyen,
Boiler and her son

Because of the tremendous success and overwhelming response of the past two rounds of the highly subscribed to Doosan Vina Family Day Program, Nguyen Ngoc Tien, Manager of the Labor Relations Department organized the third cycle of this strategic program.

Family Day III was held between July 24th and Aug 28th 2013 and more than 600 family members of 300 employees attended, which represents an increase of 20% over last years program.

The Family Day Program links and tightens the ties between company, employees and their families. It is not only a chance to lift the pride of employees but also to help their family understand their son, daughter, husband or wife's role at Doosan Vina.

Park Seung Won, Labor Relations Director said, "By improving our communication and understanding of each other a bridge is built between families and the company. Through the Family Day program we aim to show how our futures are tied together and that as a team we can accomplish great things; if we work together, employees will prosper, the community will develop and as the company grows more and more is resources will be available to do even more."

Sharing the company's vision along with a message of our concern, love and support for the Doosan Vina Family the leaders of company welcomed the families at main office and the bonding process between all began.

After the welcome the families watched a prerecorded video where their loved one welcomed them to Doosan Vina. This was followed by

a tour around the complex including a stop at their son, daughter, husband or wife's work place. At the conclusion of the tour, they joined their loved one for a special lunch at the main office restaurant. That was followed by a visit to the Van Tuong Apartment complex. To finish the day all were given a parting gift and as they left many said how impressed they were with the event and were certainly glad they came.

To date the Doosan Vina Family Day Program has brought a total of 1,500 family members to Company and the program has received high praise from employee's and family members alike.



Visiting the exercise room at Doosan Vina's dormitory



Park Seung Won, Labor Relations Director, greets family members



Employees and family members tour the factories



Totally “Made in Vietnam” Crane delivered to Port of Da Nang



Doosan Vina delivers a totally “Made in Vietnam” Rubber Tired Gantry Crane to the Port of Da Nang

Doosan Vina marked another important milestone in the localization of the company when the first completely designed, engineered, manufactured and commissioned 145 tons Rubber Tired Gantry Crane (RTGC) was handed over to the Port of Da Nang on June 28th.

Speaking at the ceremony Mr. Nguyen Thu, Da Nang Port Director said “The 100% ‘Made in Vietnam’ RTGC will increase our productivity because the loading and unloading of cargo container ships will be much faster and enable us to hit our targets.” Thu went on to say that “This additional RTGC will help Da Nang port raise its container handling capacity making it more attractive as an import/export center in Vietnam.”

This RTGC weighed 145 tons was 27M high, 25M long and 11M wide and designed to move the 40 ton containers typical in global logistics today.

Nguyen Thu, also said “Vietnamese people should use Vietnamese goods and this is an example of put-

ting that philosophy into action.”

Hang Ha Ryu, CEO and General Director speaking at the handover said, “As the third largest port in Vietnam this is an important day for us because as Vietnam moves forward economically the need for increased domestic cargo capacity will be certain and as a Vietnamese company with nearly 2,500 hard working Vietnamese employed in our Quang Ngai manufacturing complex we can say without hesitation that we can and will meet that demand!”

This totally made in Vietnam crane joins 55 others that were designed and engineered in Korea and manufactured in Vietnam and now operating at ports worldwide.

As one of the official Key Mechanical Products of Vietnam this massive crane made by Doosan Vina is an example of how putting the nation’s policy decisions into action helps the development of Vietnam’s domestic heavy industrial sector.



Dignitaries at the handover ceremony



Doosan Vina’s CEO & GD Hang Ha Ryu presents a Symbolic key to the crane to Nguyen Thu, Da Nang Port Director



Ribbon cutting



Doosan Vina’s MHS’s engineers at the handover ceremony

Reaching Out to the World



Thanh Hai

Over the last two months, nearly 6,000 tons of Doosan Vina's "Made in Vietnam" products were exported to countries around the world.

In total eight shipments were dispatched. The Boiler shop led with six shipments, of which 2,000 tons in five shipments went to the Mong Duong II thermal power plant in Vietnam's Quang Ninh province. The cargo included pressure parts, piping and silencers for the two 600MW boilers for MD II. The final Boiler shipment for MD II is scheduled for November.

In addition to the shipments for the MD II project, on July 27th Boiler also made the first shipment for the biggest boilers ever manufactured in Viet Nam which are the two 800MW supercritical boilers for the Kudgi, India power plant. This shipment weighed in at 3,310 tons and included Coils, Panels and Headers. The high tech supercritical boilers for Kudgi will supply 2,550 tons steam/hour, operate at the extreme high temperatures of 569 Celsius and at pressures reaching 271 kg/cm².

The Kudgi project, which is scheduled for completion in April 2014, marks a milestone in the history of boiler manufacturing in Vietnam. It also affirms Doosan Vina's place in the field of high-tech power plant equipment manufacturing and certifies the advancement and development of Vietnam as a reliable supplier of boilers and other key mechanical products for power plants and other infrastructure develop-

ments.

Boiler led the way, and women of Chemical Processing Equipment (CPE) behind and after 14 months in design and fabrication, CPE shipped 62 pressure vessels weighing over 708 tons to Algeria on July 1st. The vessels were for three Technip Algerian projects: Algiers C67, C68 and C105. The 28mm thick plate steel used in the vessels will ensure their mission gas distillation, oil refining and heat exchanging in Algeria will be safe and efficient. The largest vessel was 4.5m in diameter, 20m long and weighed 73 tons.

This is the second shipment to Technip's three Algerian projects, bringing the total of shipped vessels to 87 of the 190 needed for the three projects. The remaining 103 will be exported at the end of October.

The Water shop has been really busy with the Yanbu Phase 3 project for four football pitch sized desalination evaporators and on June 26th they celebrated the completion of the first bundle for one of the 4,400 tons evaporators. Once completed and installed the plug-and-play evaporators will each produce 91 million liters per day for thirsty people in the Al Madinah Province of Saudi Arabia.



A shipment of Boiler coils wait to be loaded at our port



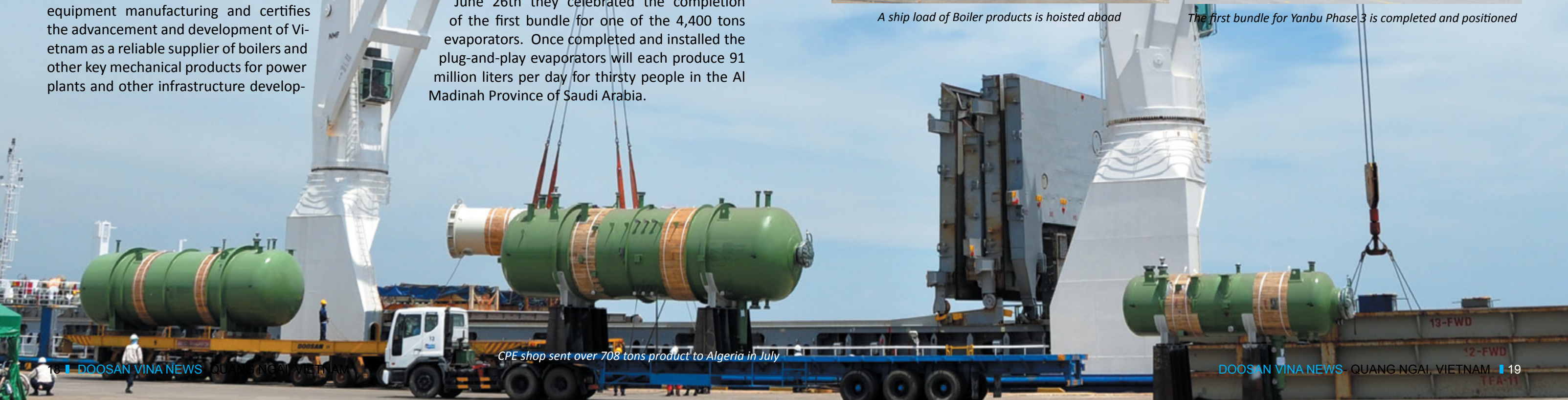
A ship load of Boiler products is hoisted aboard



Hwang Hyeon Sang, Water Director speaks at the 1st bundle completion ceremony for the Yanbu Phase 3 project



The first bundle for Yanbu Phase 3 is completed and positioned



CPE shop sent over 708 tons product to Algeria in July

Annual Health Check



Thanh Hai

Periodical health checks are one of the ways to effectively manage ones health. By carrying out regular and systematic health checks you will better understand your current health status and have a benchmark for the future.

The health checks by EHS are an important tool for the company on which to base needs and a way to set appropriate prevention and treatment strategies.

Each year Doosan Vina conducts an annual physical for all employees. This year over 2,000 Vietnamese and Korean employees were involved in the annual health check which was carried out by doctors and



EHS staff manages the flow of examinations



Blood pressure is checked



Electrocardiogram is administered



Blood is drawn and tested



Eye examination

staff from the Dung Quat Petro Hospital between July 22nd and August 5th at the Doosan Vina's Health Center.

The health check was scheduled and implemented by EHS with the precision of a rocket launch in order to minimize the impact on manufacturing. The health check was a complete and comprehensive physical examination that included blood tests, urine tests and electrocardiogram. It also included checks of the eyes, teeth, ears, nose, throat and an audiometric examination and much more.

"In addition to the annual health check, the company also holds an occupational disease check for employees, these exams show us that the company cares about our health and I think the content of the health check is quite thorough and I appreciate it. I have one thought that I'd like to offer and that's that I hope that we can add an ultrasound examination to the check-up next year to make it even more complete," said Pham Tan Linh of MM.



Internal examination



Vision check



Checking height and weight

Good for the Body and the Soul

Sports give people a chance to relax and socialize and the exercise is good for the body and the soul. It reduces stress, increases metabolism and lifts the spirit. Other interests like music and studying aesthetics provide creative outlets that engage the mind and also are beneficial to a person's overall well being and the club highlights below cover a lot of events that have tons of benefit. If you're not involved in a club, you're invited to join one of the below clubs or any of the 24 clubs now operating at the company.

Volleyball club friendly match with staff of Quang Ngai's School for Disabled Children

This was the first time the volleyball club met the teachers and staff from Quang Ngai's School for Disabled Children. This friendly match saw both teams field their best players to ensure that the match would be an intense contest and provide an opportunity for players to get some experience from another club.

The first match was for the men's teams and both sides gave the crowd much to cheer about. Over three

rounds, Doosan Vina's volleyball players proved dominant and the men's division ended with the score 2-0.

After a 15 minute break it was the women's turn to show their skills and did they ever! Both teams played skillfully and had the spectators cheering and jeering, but once again the Doosan Vina players prevailed and won the match 2-1.



The friendly involved both the men and womens teams



Table Tennis club with Dung Quat Customs

This friendly held with Dung Quat Customs on the evening of August 6th was the first time the Table Tennis club's members had a chance to meet an external competitor. The match included three categories of competition: men's singles, women's singles and men's doubles.

"We learned a lot from our opponents during the match and because of our diligence and regular practice we did pretty well. Our plan is to continue to look for opportunities to host other outside teams so we can get more experience, learn and enhance our skills.", Club Chairman Nguyen Ngoc Nhuoc said.

The results of the match were Doosan Vina won the Men's single while Dung Quat Customs won the Women's single and the Men's Double.



Men's singles match between DV and Dung Quat Customs



The match players

Music club entertains on "Vietnam Wounded Soldier Day"

The Youth Union of Dung Quat Customs held a cultural exchange program on the 66th anniversary of Vietnam Wounded Soldier Day and the Doosan Vina Music Club were featured performers providing two acts.

The evening of entertainment attracted more than 200 Youth Union members from across the Dung Quat Economic Zone to the show that presented lovely music, hilarious comedies, exciting drama and energetic dancing that was courtesy of local organizations. The Doosan Vina Music Club showcased a drama and a song and dance routine that were both in honor of the country's soldiers.

In another tribute Tran Nguyen Kim Thanh, Vice Secretary of Doosan Vina's Youth Union presented two million VND in support of soldier's families.



Awards are presented to the winners



Doosan Vina's music club in "Giai Diệu Tổ Quốc"

Aesthetic Club Established

Society grows and life becomes more hectic and leads to more stress and pressure. To satisfy employees need for beauty and provide an outlet for creativity and a way to relieve stress the Aesthetic Club which includes Yoga and Aerobics was established. The club began on July 17th 2013 and is led by Nguyen Thi Hong of the Doosan Vina Project Management Team.

Aerobics raise the heart rate; releases excess energy and reduce fat. It also helps you stay fit and trim.



Aesthetic Club in action

Yoga meanwhile is great therapy for wellness and beauty, helping people reduce stress while making the body more flexible and supple. So far all 39 members of the club members are women.

Interested ladies and men can check it out on Tuesday and Thursday's on the ground floor of dormitory and if anyone is interested please contact Nguyen Thi Hong at extension 1275 for further details.



Nguyen Ngoc Tien, LR presents flower and club flag to Nguyen Thi Hong, Aesthetic Club Chairman

Many VIP's Grace the Company with a Visit

Visitors to the company are a key component in our strategic marketing and communications plan we want to be sure they have an accurate perception of the company, our products and leave with a positive feeling about Doosan. Since our last issue we've hosted several important groups and VIP's.

BOT Management Bureau

The first to grace us with a visit was the BOT Management Bureau who came on May 17th, while on a touring Quang Ngai Province, the delegation included Nguyen Tuan Anh and Nguyen Truong Giang, two specialists from the Bureau of Investment Management BOT Power, visited the complex.

Mr. Kim Yong Soo, Deputy General Production Director welcomed them and introduced the company achievements in power, desalination, logistics and chemical processing since its opening in May 2009. The meeting gave both parties a chance to learn more about the functions, tasks and strengths of the other and laid a foundation for future co-operation.



Dong A university of Korea with Ryu Hang Ha & Kim Gwang Ju

Ministry of Korea Trade, Industry and Energy

Do Kyung Hwan, the leader of the Ministry of Korea Trade, Industry and Energy and his team visited Doosan Vina on the morning of June 14th while touring the region.

Mr. Hang Ha Ryu, CEO and General Director introduced the company and spoke of the accomplishment which Doosan Vina has been achieved in Viet Nam and hoped that many more investors will locate here.

Do Kyung Hwan remarked on the excellent example that Doosan Vina is to those considering an investment in Quang Ngai and felt that the company's success will be a determining factor for many potential investors



DV's CEO and Directors with the Ministry of Korea Trade Industry and Energy delegation

Ean Dong Agriculture

While exploring the Quang Ngai Central Highland agricultural products Fair, forty representatives of the Ean Dong Agriculture Association of Korea, which is

also the hometown of our CEO, Hang Ha Ryu stopped by Doosan Vina on July 9th.

After lunch in the main restaurant, the delegation toured the complex. They were impressed with the overall scope and scale of the operation and the level of prosperity that a Korean business could achieve in Viet Nam. Kwon Soon Hyub, leader of delegation expressed his gratitude for our hospitality and wished the company success.



DV's CEO Ryu Hang Ha, (center white jacket) directors & visitors of Ean Dong Agriculture Association

Vietnam Energy Association

Five representatives of the Vietnam Energy Association, four scientists, an energy specialist and the Editor-in-Chief of the Vietnam Energy Magazine came to Doosan Vina on July 17th. The visit began with a meeting in the main office that was followed by a guided tour of the complex. Tran Duc Ngai, Chairman of Vietnam Energy Association said, "Doosan Vina's achievements and contributions to Vietnam's 'Key Mechanical Products' localization program and the development of a Power Sector were substantial and certainly appreciated by him and Vietnam's leadership.



Vietnam Energy Association on a shop tour of the company

Singapore Sembcorp Utilities Group

Three senior officials of SembCorp Industries of Singapore's SembCorp Utilities Group which is planning to invest \$2 billion in a 1,200 MW power plant project in Quang Ngai Province came to Doosan Vina on July 18th. The visit continued building on the relationship between Doosan Vina and SembCorp which has been growing for several years now.



Visitors from Singapore Sembcorp Utilities Group tour the Boiler shop

Boiler Business Group & DG Doosan Electron

The leaders of Boiler Business Group and DG Doosan Electron paid a visit to Doosan Vina. They included the senior leaders from various fields in Doosan's global operation. The visit not only tightened ties but also allowed them to witness directly Doosan Vina's growth and development as one of the youngest companies in the Doosan Group.



Song Chi Wook, Doosan Vina Boiler Director with Shin Jong Soo, Director and Lee Hwang Jik, Vice President of Doosan's Boiler Business Group (left - right)



Vo Thanh Hoa, introduces Boiler to a group of visitors

Dong A University Of Korea

This group of visitors was led by Mr. Kang Won Ho, Principal of Dong A University and included four professors from Dong A University of Korea and the Vietnam Korea Friendship Information Technology College.

The July 12th visit by the two schools was an opportunity for the professors to see where their students may be working and will give them firsthand knowledge and credibility when discussing the company with their students.

MHS Sweeps 8th Skill Competition

Live daringly, boldly, fearlessly. Taste the relish to be found in competition - in having put forth the best within you, was Henry J. Kaiser advice. And the men in MHS took that advice to heart in the recent 8th technical skills competition held at TE.

The eight technical competitions at the company and similar ones organized by the province have brought great benefit to the company. Competition is healthy it causes you to stretch, go beyond what you thought was possible and do things you thought impossible.

The technical competitions are divided into two parts. First is the theoretical written test and second is the practical, where physical skills are put to the test.

The Theoretical part took place on July 24th with 46 employees who weld and fabricate in our five factories. They had to answer 13 questions on geometry, drawing analysis, welding symbols, welding in two hours.

The 12 who scored the highest on the theory portion moved on to the practical. Four of the finalists were from MHS and two came from Boiler, HRSB, Wa-



Nguyen Truong Vu, Boiler focuses on written test



The Practical Test followed the written exam

ter and CPE to make up the final 12.

The practical examination took place on July 30 and the six two person teams had seven hours to complete the project that was detailed in blueprints. The atmosphere at TE was intense as the competitors' were all determined to win and bring glory to themselves and their shop! Everyone was being extremely careful and diligent in their work, checking and double checking to be sure they were following the drawings exactly.

After the bell signaled time was up and the judges reviewed the projects, MHS had a clean sweep of the top prizes taking First, Second and Third.

First prize belonged to Vo Huu Nhung, Second went to Tran Thanh Tra and Nguyen Thanh Nguyen took home Third place. Another representative of MHS, Tran Vo Thanh also won a consolation prize in the remaining 3 awards of the competition. Two other consolation prizes were given to Nguyen Truong Vu, BLR and Kieu Quoc Bao, HRSB.

"This is the first time I took part in this and to win the first place award is a huge honor, I am so proud and surprised, all of the competitors were "heavier" than me, I was determined to do my best and finish on time. I am filled with happiness and have a great sense of achievement and I glad to have been able to win this for everyone at the MHS shop," said Vo Huu Nhung.



Nguyen Thanh Nguyen and Tran Vo Thanh, MHS shop



CEO & GD Hang Ha Ryu presents awards to the winners

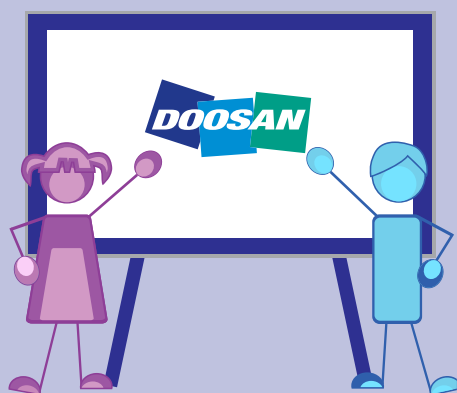


The 8th Technical Skill Competition award ceremony

Doosan Vina News Briefs

Job Analysis Creation

In order to get a handle on all the tasks that are being performed at the company the Human Resource Department had each department compile a report that detailed the functions they perform and how much time is dedicated to each task. The completed job analysis will be a valuable resource for HRD in setting their training, hiring and recruitment goals.



HRSG's Keson Exhibition



CEO visits the "Good" HRSG's keson

HRSG's 75 best Kesons, 410 One Point Lessons (OPL) and 66 Themes pools (TP) from the first six months of 2013 were recently exhibited so all employees would have an opportunity to learn from these important programs. The exhibition gave people a chance to examine the actual Kesons, OPL and TP's so they could apply the ideas to their own work.

In Support of its Members



Ha Van Hung (left) and Kim Young Gir (right) present a donation of 40 million VND from the Provincial Labor Federation to Nguyen Tan Dat (center)

The "Trade Union Home Fund" of the Quang Ngai Labor Federation (QNLFF) was established to provide assistance for disadvantaged members in the province and recently it came to the aid of one of Doosan Vina's. Nguyen Tan Dat of the Boiler shop was orphaned when he was only a year old and was brought up by his uncle who had four children of his own, a limited budget and a small house. But thanks to the intervention and donation of 40 million VND by the QNLFF, Dat now has his own home where he, his wife and son now live.

"I would like to say thank you to the Quang Ngai Labor Federation, Doosan Vina's leaders and the Trade Union for building us a home. The donation means I am debt free and can build a life for my family without a heavy burden, I also want to express my gratitude to my aunt and uncle who were always by my side." Said Nguyen Tan Dat.

Party Cell takes in new members

The new members of Doosan Vina's Party Cell are Pham Van Hoc, MM; Nguyen Tan Hung, CPE, Nguyen Huu Sinh, CPE and Tran Xuan Hoang, EHS. The addition of these four brings the total membership at the company to 29.



Pham Van Hoc, MM is one of the new members of the Party Cell Congress (first term 2010 – 2015)

FM launches "Think Green"



Besides reducing costs and increasing profit, saving energy helps to reduce pollution and clean up the environment for future generations.

Doosan Vina's currently uses the most energy in the Dung Quat Economic Zone. Every month, the company uses 1.9 million kilowatt of electricity, 25,000 cubic

meters of water and 330 tons of LPG, carbon, oxygen and argon gas. The total cost for energy is about 5.5 billion VND per month.

And because it is such a costly item FM took the initiative and called on everyone to "Think Green." The idea is to cut waste wherever and whenever possible by turning off equipment, air conditioner, lights, computers, printers, copiers... during lunch time and whenever they are not in use. They also ask that we be sure and shut off the water and gases when finished so waste and leakage is minimized. With these simple actions, FM calculates that we can save over 200 million VND per month. So let's "Think Green" and do all we can to save energy for ourselves, Vietnam and the planet.

Vietnam Airlines starts direct Danang to Seoul flights



The opening ceremony in the new route Da Nang – Seoul

To meet increasing travel demand Vietnam Airlines put into operation direct flights between Da Nang in Central Vietnam (the nearest international airport to Doosan Vina) and Seoul, South Korea. The opening of this new route will help generate increased trade, business and leisure travel, cultural exchanges and economic cooperation between Vietnam and Korea.

Vietnam Airlines is offering promotional fares until December 31st, 2013 at \$270 for return travel between Da Nang and Seoul. The Monday, Thursday and Saturday flights are on an A321 Airbus.

OE's Feverish Activity in June and July

By: Khac Tuyen

In June and July, Operational Excellence's level of activity surged significantly with existing programs growing substantially and several new ones sprouting up. The continued innovation, adaptation and improvement of OE's programs are the life blood of the company's development.

Award Programs for the 1st half of 2013

The Evaluation and Award was to review OE activity in the 1st half of 2013 and to push it up in the second. Through sharing good cases, honouring personal achievements and excellent parts or Shop/ Div, we have made motivation for continuous improvement activity.



Award ceremony for OE programs during the 1st half of 2013

Doosan Vina's Best Kesons of 2012

To increase the application of the many excellent Kesons from last year, the OE Department published "Doosan Vina's Best Kesons of 2012." The book covers nine subjects for different jobs and it was distributed company wide to the 144 BBHD groups operating at the company. In addition, OE also released BBHD News No 09 & 10 to improve internal communications.

8th Creative Science and Technology Contest

Technical innovation has brought Doosan Vina a lot of practical benefits. They have contributed to productivity increases, product quality improvements and honed our competitive edge. The innovations have also given Doosan Vina a number of awards in competitions like the Global Doosan Contest as well as contests held by Quang Ngai Province, which OE recently submitted 20 entries in the 8th Creative Science and Technology Contest of 2013.

Top Team reviews best Kesons

Six excellent BBHD Kesons were created in the 1st half of 2013 and on June 26 the Top Team made the rounds and visited all the projects. The six entries were from: Coil Assembly-Fabrication 3 (Boiler), Panel Assembly-Fabrication 3 (Boiler), Fabrication 2-Unit 3 (MHS), Welding 2 (Water), Packing & Shipping-Packing 2 (PSD) and MM-HRSG/MHS/CPE Crane (FSD). Top Team also took the occasion to check on and congratulate four good Kesons among hundreds that in total helped to decrease thousands of Man Hour, save hundreds of millions of VND in purchasing and improving safety.



Kim Yong Soo, Vice President & Deputy General Director reviews the best Kesons

Intensive training for Change Agents

Intensive training for Change Agents was carried out on July 30th 2013 to emphasize the role of an "Innovation Leader" and to enhance planning skills. The OE department also shared with the participants OE's plans for the 2nd half of 2013 and demonstrated how to set goals and carry out the themes and projects.



An intensive training program for Change Agents was held

Internal Benchmarking

Standardizing comparison methods that were developed through good case studies are a very necessary step in our improvement programs. This is the foundation for our internal benchmarking at the Company and between July 22nd and August 7th, Fifteen support parts were checked. There were Six excellent parts in the 1st half of 2013. The process allows for the exchange of ideas and through the examples operational standards are raised.

Skill Matrix and Roadmap

Executing the Doosan Way is at the heart of the OE department and to implement it we upgraded our Skill Matrix and Roadmap programs. Skill Matrix is a program for Workers and Office staff that helps them evaluate their capacity and make detail plans to improve weaknesses. Roadmap is a similar program for Engineers, PSD and FSD. Through self-evaluation they state current knowledge and experience, standardise and set procedures for improving their performance.



The BOM with the Machine Maintenance team (responsible for cranes in HRSG/MHS/CPE) who were recognized for having one of the best BBHD programs in the first half of 2013

Beyond Summer Camp

Beyond Summer Camp is a short-term training program sponsored by Doosan Heavy Industries and Chung Ang University of Seoul, South Korea. The three week immersion program held between July 22nd and August 11th, 2013 took place in Korea and involved a total of 39 Vietnamese students.

First launched in the summer of 2012 “Summer Camp” has received a lot of attention and positive response from both Vietnamese and Korean officials due to the favorable results, strengthened relationships and improved communication between Vietnam and Korea.

This year’s participants were selected by Doosan’s Representative Office in Hanoi in collaboration with the Viet Nam Ministry of Education and Training. There were seven students from Quang Ngai, one from Da Nang, three from Hai Phong and twenty-eight from Hanoi area.

Chung Ang University hosted the program to expose the Vietnamese students to diverse learning opportunities. The students studied basic Korean and had special lectures on fashion, make-up, acting, pho-

tography, film making. They also were given classes in Korean culture to teach them about Korean traditional costumes, food, Taekwondo, pottery making and much more.

Once back in Vietnam the Doosan Representative Office in Hanoi will maintain the relationship with the students through quarterly exchanges to continue to build the bond that was started with Summer Camp in Korea.



The main campus of Chung Ang University in Seoul, South Korea



“Campers” start with a tour around the Chung Ang campus



A professor shows how to make traditional Korean pottery



Students learn Korean at Seoul's Chung Ang University



Traditional Korean costumes and customs were tried



Taekwondo lessons at the Anseong campus of CAU



Graduation day at “Beyond Summer Camp”



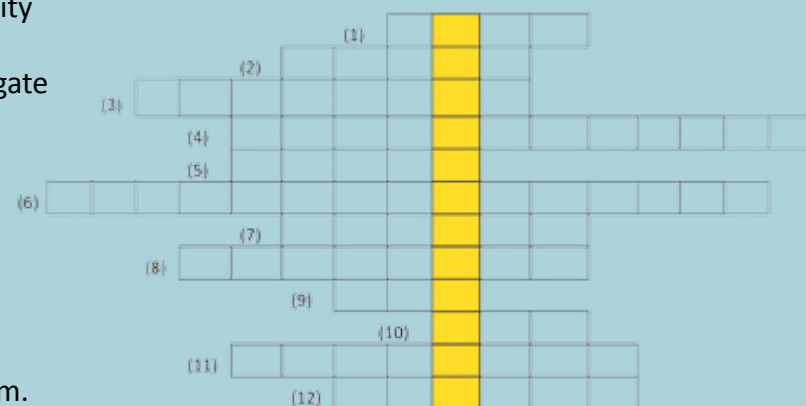
On arrival at Incheon Airport, Korea

Part I: This month's quiz:

(Vertical - yellow): This is a simply action but saves a lot of money.

- 1.The 5th annual medical service was broadcast on this channel.
- 2.A new direct flight from Danang to this capital city started recently.
- 3.This site is famous for a mineral river and is the gate way to the Ba To highlands?
- 4.Name of a Korean hit.
- 5.One step in the process of improving the work environment (in Japanese).
- 6.This project consisted of 18,954 Fintubes for a 2,100MW thermal power plant .
- 7.This word is antonym to sorrow.
- 8.A Chung Ang Medical Center program in Vietnam.
- 9.Name of Doosan Vina's Toeic record setter.
- 10.The index is calculated by: consumption + investment + government spending + net exports.
- 11.Over 1,000 people in this district received a health check.
- 12.The person who finds the watermelon according to Vietnamese legend.

Games



Remember, answers to all the questions are in previous issues of Doosan Vina News and are available online at issuu.com under Doosan Vina. You can also look for answers on YouTube.com under Doosan Vina DTV. Good luck!

Part II: Answers for last issue:



Congratulation winners!

Each of below winners will receive 100,000 VND for the correct answers. Next will be your turn. Good luck!

No.	Name	ID Number	Dept.
1	Huynh Tan Viet	500746	Boiler
2	Ly Anh Vu	500819	Boiler
3	Pham Van Thang	101339	CPE
4	Nguyen Ngoc Thanh	101257	CPE
5	Nguyen Ngoc Thuong	101267	CPE
6	Le Chu Kiet	101681	CPE
7	Phan Dinh Tan	100309	CPE
8	Nguyen Le Nguyen	100495	FA
9	Mao Thi Loan Quyen	100999	FA
10	Le Ha Tham	101380	FIN



Dealing with Lifes Downs

Everyone's life has ups and downs that are unpredictable. Some seem to have more ups, others more downs. Most would agree that Pham Minh Lam, a welder in the Water shop has had more than his share of adversity.

His life seemed to be going along smoothly with a wife, two children and a steady job.

Then along came the unpredictable. His wife was diagnosed with cancer and after a hard fight she ultimately succumbed to the disease.

Facing the prospect of raising a one year old and a three year old alone many would have buckled under the strain, but to his credit Lam, knew that his two children were depending on him and he was determined to not let them or their mother down.

Thanks to his family and friends' who came through with a lot of love and sharing, he was able to stand up to the loss and deal with the grief. He busied himself with caring for the children to help them overcome their loss and he also engrossed himself in work in order to keep focused on what he must do to care for his family.

He made his made up his mind early on that he must be strong so that his children will be OK and with the help of family and friends he was able to cope with the terrible blow life had dealt him.

He decided he will pull his family out of this and provide a stable and secure environment for his children by working hard, always mindful of his obligations and duty to them. With this plan he is mending the heartbreak and building a future.

Le Xuan Vuong, his manager said, "We know that this left a big crack in his heart but what he has shown us is really positive. He has started smiling again and is always eager to do things and I think that's helped him make the best of what has happened, I really admire him."

Pham Minh Lam, Water Shop Welder



Happy Birthday

Name	Dale	Dep	Name	Dale	Dep	Name	Dale	Dep	Name	Dale	Dep	Name	Dale	Dep	Name	Dale	Dep	Name	Dale	Dep	Name	Dale	Dep
Nguyen Vu An	08.01	EHS	Nguyen Duc Duy	07.08	Bolier	Tan Van Trung	08.30	HRSG	Nguyen Thanh Tan	08.16	Water	Cao Ngoc Vuong	07.04	CPE	Tran Van Hieu	06.30	FM	Nguyen Van Anh	07.20	FBI	Tran Van Bach	09.20	FM
Nguyen Van Bao	07.20	BHS	Duong Cong Trien	07.24	Bolier	Duong Cong Tri	08.12	HRSG	Nguyen Van Dat	09.02	Water	Nguyen Van Dat	09.02	Water	Vo Thanh Tuan	07.12	FM	Phan Thanh Tuan	08.12	FM	Nguyen Thai Thanh	06.30	FM
Nguyen Duc Tinh	07.10	EHS	Pham Tuan	07.28	Bolier	Nguyen Van Tinh	07.02	HRSG	Nguyen Duy Khanh	06.15	Water	Bui Dinh Canh	07.02	CPE	Pham Tan Duy	08.14	CPE	Bui Ngoc Danh	09.21	FM	Nguyen Thanh Trung	07.08	FM
Hoang Dinh Trung	09.27	EHS	Truong Quang Nhan	09.26	Bolier	Phung Duc Phung	08.24	HRSG	Huynh Quang Hiep	06.15	Water	Pham Tan Duy	08.14	CPE	Nguyen Van Luon	09.10	FM	Tran Hoang Hieu	07.10	FM	Le Ngoc Hoa	09.21	FM
Hoang Thanh Vu	06.06	EHS	Nguyen Ngoc Cuong	06.15	Bolier	Tran Viet Tan	06.10	HRSG	Nguyen Van Trung	09.20	Water	Bui Chi Tam	08.28	CPE	Pham Van Thua	06.10	CPE	Tu Anh Tuan	08.26	FM	Nguyen Hung	07.16	FM
Nguyen Huu Phuoc	06.10	EHS	Bui Van Binh	08.31	Bolier	Nguyen Xuan Sy	09.01	HRSG	Huynh Van Thung	08.01	Water	Do Van Chinh	06.25	CPE	Nguyen Van Men	07.04	CPE	Pham Thanh Tuan	09.09	FM	Dang Quang Vinh	07.11	FM
Huynh Tien Duc	06.14	EHS	Pham Van Kieu	06.06	Bolier	Nguyen Tan Vuong	06.10	HRSG	Do Minh Hien	06.20	Water	Nguyen Tan Quang	07.10	CPE	Tran Van Lam	09.09	FM	Nguyen Duy Sanh	09.14	FM	Duong Van Dung	06.24	FM
Pham Thi Thao	06.16	BHS	Vo Quoc Han	07.20	Bolier	Pham Thanh Vi	09.15	HRSG	Dang Quang Vinh	09.24	Water	Nguyen Van Vien	07.10	CPE	Dang Hoang Giang	06.06	FM	Pham Van Hoc	06.18	FM	Thai Tang Nhan	07.20	FM
Nguyen Thi Anh	06.20	EHS	Pham Van Cong	09.02	Bolier	Vo Ni	08.12	HRSG	Nguyen Van Phuoc	09.24	Water	Nguyen Van Thach	07.05	CPE	Nguyen Tu	08.14	FM	Truong Quoc Bao	08.20	FM	Nguyen Duc Quoc Chi	07.14	FM
Huynh Duc Hung	06.28	EHS	Pham Van Binh	08.20	Bolier	Nguyen Duc Quan	09.19	HRSG	Pham An	08.14	Water	Phan Thanh Tho	08.20	CPE	Nguyen Thanh De	07.19	FM	Vo Xuan Lam	09.26	FM	Nguyen Mau Chuang	09.02	FM
Ta Thi Bich Chuyen	09.29	EHS	Do Ngoc Quan	07.20	Bolier	Bui Phuoc Hien	06.16	HRSG	Nguyen Thanh Tong	08.20	Water	Dang Van Huong	07.25	CPE	Tran Quang Chung	08.03	FM	Tran The Vinh	06.09	FM	Vo Dinh Khoi	08.19	FM
Dinh Van Chuong	07.06	EHS	Bui Bon	09.20	Bolier	Le Van Huy	09.20	HRSG	Quach Thanh Hien	08.20	Water	Pham Tan Duy	08.12	CPE	Pham Van Trung	08.02	FM	Cao Xuan Hai	07.25	FM	Nguyen Cao Ky	06.28	FM
Pham Thanh Thu	09.10	EHS	Vo Tien Diem	07.25	Bolier	Trinh Van Phong	09.20	HRSG	Quach Thanh Hien	08.20	Water	Nguyen Van Hung	09.06	CPE	Nguyen Van Gio	06.15	FM	Nguyen Van Duc	06.09	FM	Nguyen Van Duc	06.09	FM
Do Thanh Phuc	09.26	EHS	Truong Thanh Huy	09.20	Bolier	Le Van Chung	07.18	HRSG	Ao Dao	09.11	Water	Do Duy Dong	09.06	Water	Pham Van Thuan	09.01	CPE	Pham Van Thuan	09.01	CPE	Pham Van Thuan	09.01	CPE
Vo Thanh Nam	06.22	EHS	Tran Quang Thao	07.03	Bolier	Le Thanh Tung	08.24	HRSG	Ho Tuan Vu	07.26	Water	Pham Van Thuan	09.06	Water	Pham Van Thuan	09.06	Water	Pham Van Thuan	09.06	Water	Pham Van Thuan	09.06	Water
Moon Jong Gi	09.21	EHS	Pham Van Cong	09.10	Bolier	Mal Van Phuong	07.07	HRSG	Tran Van Tran	09.06	Water	Pham Van Thuan	09.06	Water	Pham Van Thuan	09.06	Water	Pham Van Thuan	09.06	Water	Pham Van Thuan	09.06	Water
Chau Ho Hauyen	09.03	DV PM	Duong Dinh Vu	07.02	Bolier	Nguyen Thanh Luu	06.06	HRSG	Pham Van Thuan	09.06	Water	Pham Van Thuan	09.06	Water	Pham Van Thuan	09.06	Water	Pham Van Thuan	09.06	Water	Pham Van Thuan	09.06	Water
Nguyen Thi Tra My	08.01	DV PM	Le Duy Kha	06.30	Bolier	Bui Huu Vu	07.13	HRSG	Nguyen Thanh Tong	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Nguyen Van Tien	09.25	DV PM	Le Thi My Anh	08.12	Bolier	Pham Thi No	06.12	HRSG	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Lee Byoung Hwee	09.22	FIN	Nguyen Thanh Man	08.05	Bolier	Ho Thi My Van	08.17	HRSG	Ao Dao	09.11	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Kim Tae Sung	06.15	FIN	Dang The Bau	06.25	Bolier	Truong Thi Ai Van	08.24	HRSG	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Le Thi Hong Quy	09.19	FIN	Nguyen Hong Han	07.14	Bolier	Pham Kim Phuc	09.10	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Nguyen Thi Tam	07.10	FIN	Bui Thanh Sang	08.10	Bolier	Yoon Young Sang	08.03	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Le Ha Tham	07.31	FIN	Nguyen Cong Thuan	06.07	Bolier	Nguyen Thanh Sang	08.10	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Tran Thi Nhu Ngoc	07.22	FIN	Tran Anh Viet	06.17	Bolier	Ta Ngoc Thang	08.10	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Truong Thi My Yen	09.13	FIN	Le Tan Huyen	06.10	Bolier	Bui Quang Binh	09.10	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Luong Thi Hoa Thu	09.25	FIN	Ho Duy Linh	07.02	Bolier	Pham Nguyen Chi Siu	09.04	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Nguyen Vinh Ngoc Tran	08.08	FIN	Nguyen Hai Minh	07.15	Bolier	Do Van Truc	09.21	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Phan Thi Thuy	09.09	FIN	Pham Dinh Khuong	06.14	Bolier	Do Minh Hieu	06.06	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Choi Kyoung Sik	09.02	QA	Bui Hung Lam	07.21	Bolier	Nguyen Thanh Nhan	06.19	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Pham Hong Phuong	07.07	QA	Le Van Tuan	07.01	Bolier	Vo Quang Truong	06.16	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Pham Thi Anh Ly	08.02	QA	Cao Huy Hoang	09.25	Bolier	Bui Tan Thuan	06.14	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Nguyen Dang Hao	06.07	QA	Tran Ngoc Duy	08.08	Bolier	Doan Van Tinh	09.10	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Doan Van Thuan	06.15	QA	Le Quang Truong	07.10	Bolier	Le Quang Truong	07.10	Bolier	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Tran V Vien	08.06	NDE	Lo Ngoc Phu	06.17	Bolier	Nguyen Tan Thuan	09.10	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Nguyen The My	06.03	NDE	Huynh Thanh Quang	06.27	Bolier	Duong Van Trong	08.03	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Duong Ngoc Duy	08.10	NDE	Tran Anh Vinh	09.27	Bolier	Tran Van Nghia	07.18	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Nguyen Huy Son	07.03	NDE	Le Khac Thuong	09.25	Bolier	Pham Thanh Binh	08.17	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Dinh Bat Tuan	06.01	NDE	Vo Duc Tung	08.28	Bolier	Le Duy Vinh	09.25	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Do Minh Huan	08.17	NDE	Pham The Vinh	07.25	Bolier	Pham The Vinh	09.02	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Pham Manh Cuong	06.18	NDE	Tran Dang Hoa	06.18	Bolier	Pham Minh Trang	07.24	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Pham Duy Thanh	06.20	NDE	Cao Xuan Quat	09.08	Bolier	Bui Hoang Tung	06.27	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Pham Phuong Que	09.28	NDE	Tran Dinh Tai	07.04	Bolier	Pham Ngoc Qui	07.23	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Huynh Xuan Phuc	09.18	NDE	Nguyen Duy Tan	09.02	Bolier	Nguyen Ngoc Luu	09.20	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Vo Cong Diep	08.31	NDE	Luu Minh Quy	08.28	Bolier	Nguyen Van Thanh	09.05	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Mac Tanh	06.26	NDE	Pham Manh Toan	09.04	Bolier	Truong Ngoc Thach	06.25	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Vo Thanh Tan	06.27	NDE	Truong Ngoc Thach	06.25	Bolier	Nguyen Tung Anh	08.16	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Vo Duy Duong	07.28	NDE	Phan Van Duy	09.10	Bolier	Bui Hoa Bao	08.17	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Nguyen Truong Han	07.14	NDE	Truong Quang Thanh	06.10	Bolier	Bui Van To	06.05	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Le Thiet	06.20	NDE	Bui Van Ty	08.22	Bolier	Phan Tan Nghia	09.16	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Pham Ngoc Trung	08.10	NDE	Nguyen Viet Chi	06.25	Bolier	Nguyen Van Tanh	08.19	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Nguyen Thanh Xanh	06.05	NDE	Huynh Thanh Nhiem	06.24	Bolier	Huynh Long Giang	08.23	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Tran Van Thach	07.08	NDE	Le My Sy	07.06	Bolier	Nguyen Ngoc Lam	08.20	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Nguyen Quoc Vu	09.08	NDE	Nguyen Thi My Van	06.24	Bolier	Phan Sang	08.13	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Le Duy Tan	07.19	NDE	Dao Tien Lai	08.11	Bolier	Truong Quang Vuong	06.04	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Nguyen Danh Tuyen	09.02	NDE	Le Van Nam	09.21	Bolier	Le Kim Toan	09.05	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Nguyen Hung Cuong	06.25	NDE	Tran Van Tinh	09.12	Bolier	Nguyen Duy Bao	09.19	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water
Le Tan Tai	06.03	NDE	Pham Ngoc Quang	07.13	Bolier	Pham Ngoc Quang	06.25	MHS	Quach Thanh Hien	08.20	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.06	Water	Nguyen Van Thuan	09.0				