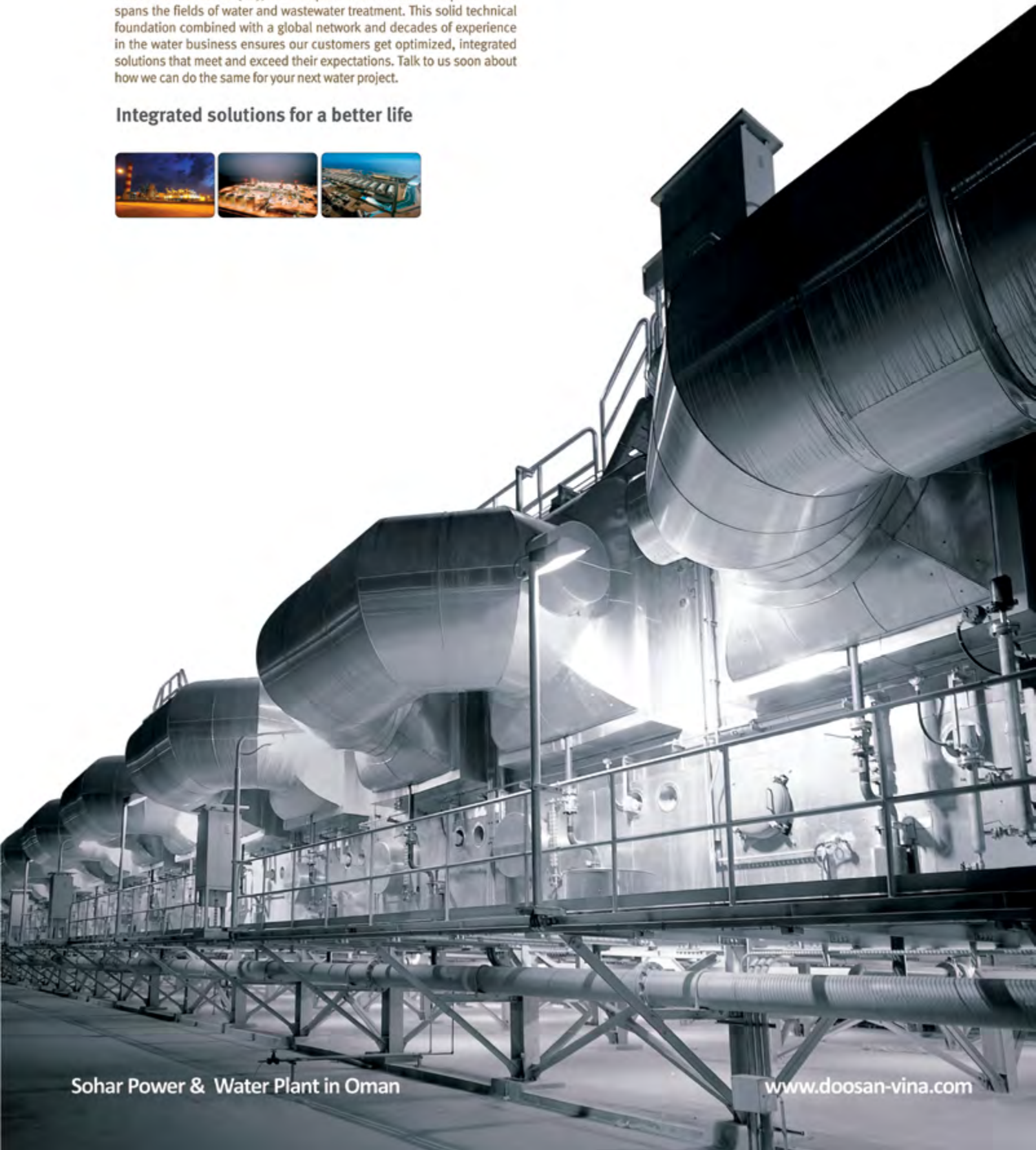




In water, Doosan brings it all together

At Doosan, we have built some of the world's largest and most-innovative seawater desalination plants. Backed by cutting-edge desalination technologies including multi-stage flash (MSF), multi-effect distillation (MED), and reverse osmosis (RO), our comprehensive technical expertise also spans the fields of water and wastewater treatment. This solid technical foundation combined with a global network and decades of experience in the water business ensures our customers get optimized, integrated solutions that meet and exceed their expectations. Talk to us soon about how we can do the same for your next water project.

Integrated solutions for a better life



Sohar Power & Water Plant in Oman

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Bản Tin DOOSAN

Vina News Công ty TNHH Công Nghiệp Năng Doosan Việt Nam

No: V10N1

Quality

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MADE IN VIETNAM
MY COUNTRY - MY PRODUCTS - MY PRIDE

DRIVING PROGRESS

with the World's most advanced products
in Power, Water & Logistics



Building your tomorrow today

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Proud People, Proud Doosan

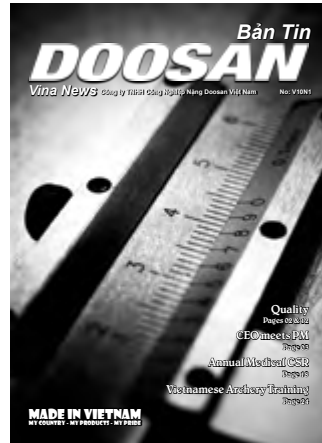


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Building your tomorrow today



On the Cover

Quality can be hard to illustrate and define, but the cover photo details precision measurement which is a common facet of quality and this issue's theme.

The Business Dictionary defines quality in a manufacturing sense "as a measure of excellence or a state of being free from defects, deficiencies and significant variations. It is brought about by strict and consistent commitment to certain standards that achieve uniformity of a product in order to satisfy specific customer or user requirements."

Our concern for customer satisfaction and quality is a driving force across the company and is our guarantee to our customers.

In this issue we will cover our initiatives, procedures, certifications and commitments to quality here at Doosan Heavy Industries Vietnam.

Quality

A work of art and a thing of beauty

A popular saying states that "Beauty is in the eye of the beholder," which means beauty is defined by the individual. But conversely, quality cannot be arbitrary or subjective; it needs to be structured, scientific, objective and not based on personal opinions or feelings.

That is not to say that something of beauty cannot also be considered quality, or that something that is quality can't be beautiful. Often times both are true.

Quality is rooted in a well-defined process of conditions, standards and measures which are monitored and set by international organizations such as ASME, ISO, HSB, Det Norske Veritas and others that assure customers that a company or process adheres to the procedures and regulations set by them; whereas beauty is purely defined by opinion and whims of the day.

The massive infrastructure products produced by Doosan Vina that include high tech power plants, desalination plants, structural steel and cargo container cranes absolutely need to be of unquestionable quality so they can be depended on to operate safely, efficiently and consistently for years and years.

And because of their reliability they are in many peoples' eye a true work of art and they certainly produce beautiful results such as the electricity to power industry, hospitals, schools and our homes, as-well-as water to quench our thirst or facilitate trade to develop the economy and create wealth.

To assure our customers of the impeccable quality they deserve and demand, Doosan Vina is certified by all the world's major industrial standards organizations, some of which are mentioned above. Our certifications also include being the first and only ASME certified nuclear power equipment manufacturer in Southeast Asia.

Whether you see beauty, quality or both in one of our products; the thing you can always count on is that the same commitment to quality that is: 1) A global trait of Doosan, 2) The basis of Doosan Vina's overall NDE acceptance rate of 100%, 3) The foundation for the renewals of our industrial standards certifications and, 4) A part of all we do!



CEO'S CORNER

Vietnamese Prime Minister welcomes Doosan Vina's Chief Executive Officer



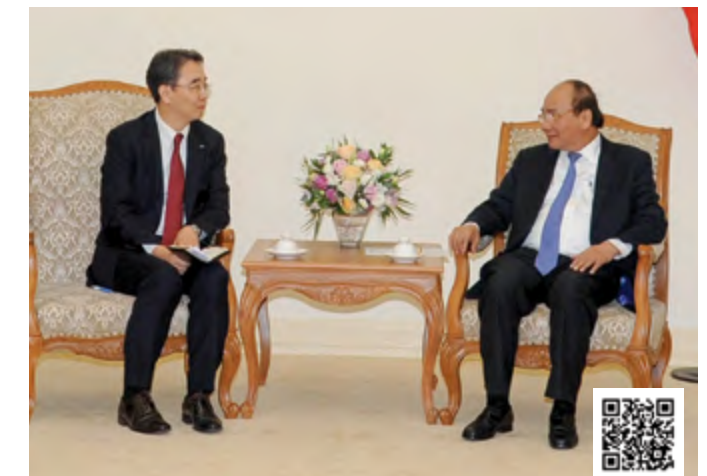
Vietnamese Prime Minister Nguyen Xuan Phuc and Doosan Heavy Industries Vietnam's Chief Executive Officer & General Director Park Hong Ook

precipitation for the assistance that the Vietnamese Government has provided in solving issues that the company faced as one of the first FDI's in the country. Park also said Doosan Vina will continue to contribute to Vietnam's economic development and looks forward to further developing the good relationship that exists between Vietnam and Doosan Vina. "As Vietnam grows, the opportunities for the people will improve and the country's infrastructure and industrial sectors will see lasting benefit that is in line with Vietnam's goals for the manufacturing and mechanical sectors."

The meeting took place in the PM's offices in Hanoi between Vietnam's Prime Minister and Doosan Vina's CEO and GD on 17 January 2018.

In a meeting between Vietnamese Prime Minister Nguyen Xuan Phuc and Doosan Heavy Industries Vietnam's Chief Executive Officer and General Director, Park Hong Ook, the PM praised Doosan Vina's development and the high tech infrastructure projects and products for the Power, Water and Logistics sectors. The PM also encouraged the company to continue and expand its good work in Vietnam and went on to commend the company for its CSR and training programs that have been extremely helpful in Vietnam's development and march toward industrialization.

Park Hong Ook thanked the PM for an opportunity to meet with him and expressed the company's ap-



Vietnamese Prime Minister Nguyen Xuan Phuc and Doosan Heavy Industries Vietnam's Chief Executive Officer & General Director Park Hong Ook meet in Hanoi

L-R: Bùi Duy Hùng, secretary of Prime Minister Nguyễn Xuân Phúc; Nguyễn Quốc Hùng, Deputy Director of International Cooperation Department; Jeong Jeong Ho, Director of Southeast Asia Region, Doosan Group; Park Hong Ook, CEO & GD of Doosan Heavy Industries Vietnam Co., Ltd (Doosan VINA); Nguyễn Xuân Phúc, Prime Minister of Socialist Republic of Vietnam; Kim Jihyun, Director of Planning Team, Doosan VINA; Kim Hoon, Chief of Ha Noi Representative office; Hoàng Quốc Vương, Vice Minister of Ministry of Industry and Trade (MoIT), Nguyễn Văn Tùng, Vice chairman of the Government Office



Amec Foster Wheeler Group

AMEC Foster Wheeler Group first visited Doosan Vina on September 14th, 2017 and on October 31st, 2017 Peter Holsgrove, Technical Director of Amec Foster Wheeler from the UK and Thanadurairaj Chellapandian, Chief Engineer and Valuation of Amec Foster Wheeler India made a second visit / survey of Doosan Vina to discuss production capacity and the possible opportunity for cooperation with the company.



Kim Ki Bum, Department Leader of PI department (left) introduces product to AMEC Foster Wheeler Group guests

Korcham & Taihan Electric Wire

While touring Quang Ngai Province in November 2017 seven members from the Korea Chamber of Commerce (Korcham) and Taihan Electric Wire Company stopped at Doosan Vina on the 27th of the month.

Taihan Electric Wire Company presented their products which could be used by Doosan Vina in the manufacture of products for its customers.

Taihan Electric Wire was established in 1955. It began operations in Vietnam in 2006 in Long Thanh Industrial Zone, Dong Nai Province in order to supply the electricity, telecommunications and industrial sectors. Currently, Taihan Vina is the largest cable production company in Vietnam and Southeast Asia.



Korcham & Taihan Electric Wire company with Doosan Vina leaders at port

Chiyoda

Four members of the Chiyoda Company of Japan paid a visit at Doosan Vina on December 25th, 2017 to survey production capacity and explore opportunities for cooperation.

Welcoming the group for Doosan Vina was Kim Ji Hyun, Team Leader of the Planning Team who presented our products for thermal power plants that includes boilers and structural steel. He also reviewed both do-

mestic and the international thermal power projects that Doosan Vina has been involved with.

During the visit, the Chiyoda group spent time to visit and survey the production capacity of the Boiler shop and they were especially keen to check out the quality control processes as well as the work environment.



Doosan Vina leaders and visitors of the Chiyoda Company of Japan

New Year Message from Park Hong Ook, CEO of Doosan Vina

Dear Colleague,

As we enter the Lunar New Year of the Dog I would like to wish all Doosan Vina employees and their families a year filled with good health, happiness and prosperity.

This is my first time to welcome in the New Year as the General Director and member of the Doosan Vina team and my sincere hope is that together we can work side-by-side to build and develop the company, the community and our team. This means that we need to cooperate and concentrate our efforts on the three main goals which I have set for 2018.

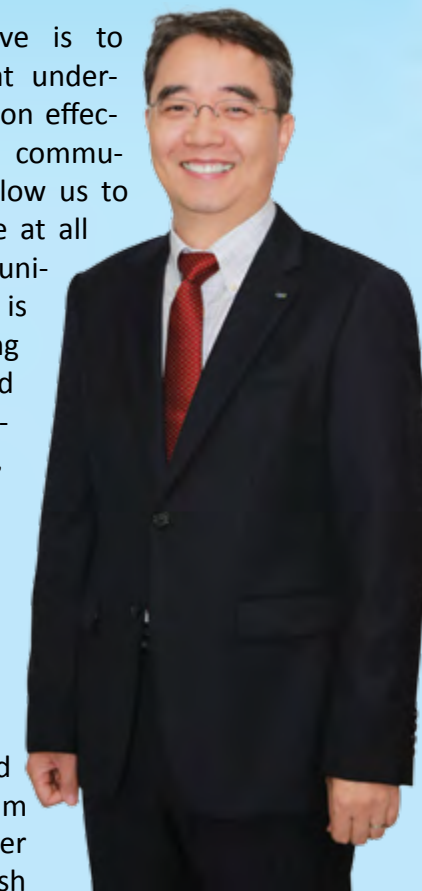
For me, your safety is first and more important than all else. Thus your safety must be our top priority; you are Doosan Vina most important asset and ensuring your safety is unquestionable.

Our next goal is a company wide commitment to quality to ensure that our global standards for quality and on time delivery are prioritized at every step and stage of production. At the end of last year, we completed an order for a Japanese customer. This shows that the quality of Doosan Vina products have been recognized by one of the most quality conscious countries / customers in the world and their satisfaction is a very meaningful thing. This doesn't mean we can rest on our success or achievements, because competitors are ever looking to gain advantage and secure orders, so we must be ever vigilant and always looking to improve every thing we do.

The final objective is to build a culture that understands and focuses on effective and two-way communication that will allow us to grow and cooperate at all levels. Open communication between all is essential to moving forward and should be through to ensure understanding, stop duplication and unnecessary work while at the same time eliminating hazards thorough collaboration by all company personnel.

You have achieved a great deal and I am certain that together we can accomplish much more if we always remember to think: Safety, Quality and Communication!

Once again, I would like to send best wishes to you and your family for the New Year.



Park Hong Ook,
CEO & GD of Doosan Vina

Happy New Year!

Park Hong Ook

Park Hong Ook



Operational Excellence Awards 2017

To recognize employees who were the standouts in: Operational Excellence (OE), Environment Health & Safety (EHS) and Learning Center (LC) activities, the Production Innovation (PI) Department arranged an Awards Ceremony.

The event began with a clip that summarized the best-of-the-best in OE, EHS and LC over the year. Next was the OE activities contest that identified the four best Keson themes and four best BBHD themes. The winners came from PSD, QAD, TP, Boiler, Water and the MHS shop. These eight best were narrowed down from a total of more than a 1,000 that were created and put into operation during 2017. The entries were judged on cost savings, production improvements and safety.

The OE Theme Excellence Prize was awarded to Panel Assembly section in the Boiler shop and the BBHD Theme Excellence was awarded to the Making & Cutting section in Water shop.

Additionally 22 awards went to Change Agents. Two were for the two Best CA Titles of the year which went to Hoang Tuan from the MHS shop and Le Thi My Kim of PSD. EHS received ten awards that included an Excellence prize



Awards for the 12th Skill Competition

for the Water shop and three prizes that were awarded to MHS, Water, Boiler Shops and six other awards were for Encouragement.

Following the PI OE awards the Learning Center awarded 12 Skill Competition prizes that included four First Prizes: Nguyen Cong Minh (MHS shop), Nguyen Van Dai and Nguyen Tat Dinh (Water shop), and Phan Dinh Khuong (Boiler



Awards for EHS

shop), received first's. The four second prizes were given to Tran Van Thanh & Nguyen Quang Vu (MHS shop), Le Quang Chung and Huynh Le (Boiler shop). The four third prizes went to Bui Thien Phuoc, Thoi Cong Vu and Nguyen Van Tra (Water shop), and Vu Anh Hung (Boiler shop).

The Awards Ceremony took place in the Main Office auditorium on January 3rd, 2018 with, Park Hong Ook, CEO & General Director, all directors and 210 managers in attendance.



Awards for Best Kesons



Awards for Best Change Agent



Vinh Tan 4 Extension Fabrication Completed



Vinh Tan 4E Power Plant equipment at Doosan Vina's Port prior to shipment

The EVN owned Vinh Tan 4 Extension (VT4E) Power Plant will have a capacity of 600 MW producing 3.6 billion kWh/year when completed by the end of 2019. It is currently being built by the EPC consortium that includes Doosan Heavy Industries and Construction, Mitsubishi Corporation, Power Engineering Consulting JSC 2 (PEEC2) and Pacific Corporation. VT4E represents an investment of more than \$1 billion or 23,000 billion VND. Vinh Tan IV Extension Supercritical Thermal Power Plant (VT4E) Project is the first such plant designed and built in Vietnam by Vietnamese.

Doosan Vina's boiler shop produced 16,000 tons of high tech supercritical boiler equipment for the project and on January 23, 2018 shipped the 16th and final 3,250 ton load to the VT4E site in Binh Thuan Province from Doosan

Vina's dedicated port.

The final shipment included coils, panels and headers and represents the completion of seven months of fabrication and assembly work at Doosan's \$300 million state-of-the-art production facility in Quang Ngai Province where nearly 4,000 Vietnamese are employed.

VT4E and Doosan's three other power plant projects in Vietnam will significantly increase Vietnam's power generation capacity and provide needed power to fuel the country's economic development. And as Doosan transfers technical skills & mechanical engineering to Vietnamese technicians a domestic power industry is growing and talking hold.

The 1,200 MW Vinh tan 4 power plant and 600 MW Vinh Tan 4 Extension power plant currently under construction in Binh Thuan Province, Vietnam

Kashima, Japan Thermal Power Plant Project Completed

On January 12th, 2018, at the Doosan Vina Port, the MHS shop shipped 425 tons of power plant equipment to Japan for the KP2- Coal Silo project that included: Hoppers, Cylinders, Roofs, Safety handrails and other equipment for the fluidized coal funnel at the Kashima thermal power plant.

The project was signed with Ishikawajima-Harima Heavy Industries (IHI), Japan in May 2017 and after five months of production, it was completed last December.

IHI is a highly respected company and a pioneer in heavy

industrial projects, infrastructure development, the transportation sector, the manufacture of industrial equipment, the construction of thermal power plants and global consulting services.

The Kashima Thermal Power Plant in Japan will have two 1,000 MW heavy oil fired turbines, four 600 MW heavy oil fired turbines and three 268 MW gas turbines for a total installed capacity of 5,204 MW.



"Made in Vietnam" Hoppers, Cylinders and Roofs are shipped to the Port Kashima Power Plant in Japan

Keson's create Quality and Continuous Improvement

Keson or Kaizen is an initiative that seeks to find ways to continuously improve all aspects and levels of an organization. It focuses on improving safety, productivity, quality and the reduction of costs through the efficient use of resources. Since beginning our Keson program at Doosan Vina in April.2009 we've produced a total of 25,665 Kesons (BBHD's, OE Themes) that are estimated to have saved hundreds of thousands of dollars, reduced thousands of man-hours and greatly enhanced safety practices.

Three recent Kesons that have done all of the above and earned them entry into Doosan Vina's exclusive "Best Kesons" club came from Facilities Maintenance

(FM) and the Boiler Division. In this most recent round of best Keson qualifiers FM had two and Boiler had the third. They were selected as the best from a total of 994 keson entires (BBHD - 733, OE Theme - 261).

The first Keson was by FM's Electric II group in the MHS shop to replace and upgrade an electrical system from 400 AMP's to 1,000 AMP's. The upgrade improved the welding quality as-well-as increasing the longevity and reliability of the welding equipment. The increased AMP's are now providing a more sustained power supply, eliminating work stoppages and assuring welders in the MHS shop of an uninterrupted and consistent stream of power.



MD15 welding cabinet before and after the first place Keson to upgrade from 400A to 1000A



FM's second place Best Keson winner is improving the shot blasting process for fabricated equipment. Previously some of the massive components manufactured at Doosan Vina required special treatment to assure that

sandblasting in preparation for painting and coating was uniform. This caused delays and increased expense. To overcome this FM examined the processes and came up with solutions that are efficient, cost effective and safe.



Pre-Keson Cleaning of products by sand and the after Keson Cleaning with the Blow Off system



Tran Van Hieu PSD staff presents his Keson at the competition

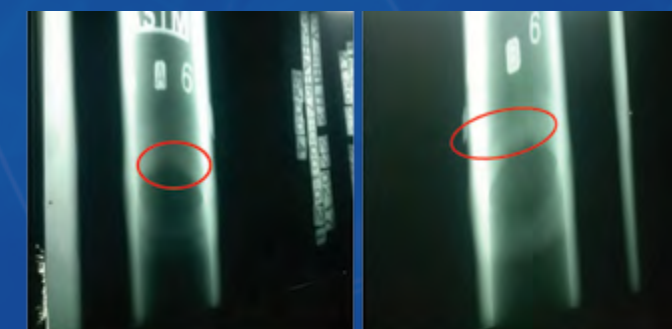
The third place and final Best Keson in this round was a product of the Boiler Division. We will see substantial reductions in the build time required for Super Heater Modules because of this Keson.

The final stage in the production of a Super Heater Module for a power plant boiler is to connect the Coil to the Header. It sounds simple but because the pieces are

massive and weigh 38 tons or more, logistics and precision welding can be complicated. To solve the problem a Task Force Team was established they examined and brainstormed the issues from all sides and came up with a work flow system that resolves the problems and is credited with an improved Radiographic Testing rate and a 30% reduction in Super Heater production time.



Welder's Keson chair supports the shoulder and reduces fatigue



A Keson that improves welding & reduces errors



Quality is our Promise and our Pride!

Doosan Vina's quality policy is to "Provide products and services of the highest quality at competitive prices to ensure that customers will be satisfied for years to come."

Doosan Vina's reputation for quality products has grown from more than 120 years of experience and is something that is a woven thread by thread into the very fabric of our corporate culture.

At Doosan Vina we base our quality management systems on standards set by International quality management organizations like ASME, ISO9001:2015, HSB & others. From that foundation we've developed multilingual

manuals and protocols to cover all steps of production and performance so that customers are satisfied and our products are the finest, safest and longest lasting available today!

We are also proudly the first company in Southeast Asia to have been certified by ASME as a nuclear power equipment manufacturer. ASME has twice certified us with nuclear production certifications that include NPT, NA, NS, Site NPT, Site NA, Site NS.

At Doosan Vina our Quality goal is perfection, and to reach that goal we maintain the highest standards in quality control by leveraging: our global reach, our 120 year history and a strategy of intensive and continuous im-

provement of our quality control programs and systems.

That begins with a seasoned and experienced Korean director at the helm of the 178 member Quality Assurance (QA) Division. It continues with ongoing training, education and support for all QA staff. We also employ the most technically advanced inspection equipment and regularly update the equipment and the expertise of the operators.

In addition to strict procedures, policies and the latest equipment Doosan Vina goes even further to assure quality by maintaining an "open point system" where any employee can bring up quality issues at any time. Any employee who discovers an issue related to non-conformity

of products or services or has improvement suggestions can bring those matters to their managers or go directly to Quality Assurance with their concerns.

Doosan Vina's quality assurance division also receives continuous support and direction from our parent company and our worldwide affiliates to ensure that our procedures are current and up-to-date with global standards.

By forging these principles into our corporate culture and making a ceaseless commitment to improvement, Doosan Vina produces heavy industrial equipment that is unquestionably among the best to be had; and we invite you to explore our operations to see first-hand what Doosan quality can mean to you!

ISO



The Hartford Steam Boiler (HSB) Audit Team at Doosan Vina



Seong Young Kon, Lead Auditor of HSB (2nd right) conducted the 10th ISO recertification at Doosan Vina from in January, 2018



ISO 9001: 2015 HSB Lead Auditor checks the Boiler shop at Doosan Vina



ISO certification of Doosan Vina

ASME



Doosan Vina Certifications



The ASME survey team inspects product quality at Doosan Vina



The ASME survey team and QA staff inspect product quality



ASME Nuclear Audit Team reviews Doosan Vina's records



ISO survey team at Doosan Vina during the 22th - 26th February 2016 ASME



ASME survey team together with Doosan Vina Leaders and staff during the 19th-22th December 2016 survey

Inspection Procedures



Checking the welding current to be sure it meets the requirements of WPS



Checking the temperature (top) and the alignment (above)



A final check to assure quality



Checking material before allowing it to proceed to production



QA staff inspect product quality



Tool Box Meeting to review safety and work



Checking the hanger before welding



Non-destructive Examination (NDE)



Doosan Vina's 10th Annual Scholarships

This 10th annual round of scholarships saw Doosan Vina award 330 million VND to students and universities in Vietnam. In all 40 students from: Ho Chi Minh University of Technology, the University of Technical Education Ho Chi Minh City, Da Nang University of Technology and Pham Van Dong University were awarded scholarships. The Faculty of Engineering at Da Nang University of Technology also received a grant for the purchase of teaching aids and equipment.

The scholarship awards were presented between the 6th and 9th of November by Park Chan Up, Director of Human Resources at Doosan Vina.

This annual scholarship program that is funded by Doosan began in 2008 and represents an investment of \$315,000 in the higher education of nearly 1,200 Vietnamese students. The scholarships help the students continue their education and are a pathway to internships and possible employment at the company upon graduation.

Park Chan Up, Head of Human Resources, said: "Doosan Vina believes that education is foundational to 'building healthy communities' which is the goal of our CSR activities in Vietnam and our scholarship program is one aspect

of that goal. Through the scholarships we hope that more and more young people have a chance to pursue their dreams and become valuable members of society; that they can reach their full potential and become the nation's next generation of leaders and help their families and Vietnam grow and develop."



Park Chan Up, Doosan Vina Human Resources Director (dark jacket) with teachers and students from Ho Chi Minh City Polytechnic University at scholarship presentations



Park Chan Up, Doosan Vina Human Resources Director (Left) grants scholarships to students of Pham Van Dong University, Quang Ngai



Le Hieu Giang, Vice Rector of Ho Chi Minh City University of Technology (Left) presents Park Chan Up, Doosan Vina Human Resources Director (Right) with a certificate of appreciation



Park Chan Up, Director of Doosan Vina Human Resources (far right, second row) with leaders and students of The Danang University of Foreign Language

Doosan Vina and Chung Ang University Hospital's Ninth Vietnamese Medical CSR

The ninth edition of the annual medical CSR included examinations by Korean doctors from Chung Ang University (CAU) that were flown in especially for the exams. The CAU doctors provided basic healthcare for some 2,500 residents of Binh Son in Quang Ngai Province. The local residents received free exams, medicines and other treatments between the 18th and the 22nd of September 2017. In addition to the exams, Korean specialists in gynecology performed seven surgeries for women at the Obstetrics and Gynecology Hospital of Quang Ngai Province.

Mrs. Nguyen Thi Huong, from Tuyet Diem Village 1, Binh Thuan commune said: "I have been suffering for many years with a medical condition but my mobility is limited so I haven't been able to get the treatment I need, but because of this community based healthcare by Doosan and CAU's Korean doctors I received the medical attention and medicine I needed."

Korean Doctor and Professor of Surgery Lee Eun Ju along with his colleague, Dr. Yang Ang Shin Ho and Nurse Ji Mi Kyung performed seven obstetric / gynecological surgeries for needy women at the Obstetrics and Gynecology Hospital of Quang Ngai Province. Professor Lee Eun Ju is also the doctor who led an internship for Quang Ngai Obstetrics

Doctors at Chung Ang University Hospital in Seoul in 2017.

Ms. Nguyen Thi Lien of Nghia Hiep Commune, in Quang Ngai Province and one of the patients who had surgery, said, "I've had this problems for several years and previous treatments were not successful, so this surgery was a wonderful thing. I am so grateful to Doosan Vina, CAU and the Korean specialists for making it possible."



Doctors from Chung Ang University Hospital examine one of the 2,500 patients who received healthcare in Vietnam's Quang Ngai Province

This medical CSR event was first held by Doosan Vina and Chung Ang University Hospital in 2008 making this the ninth anniversary of the program. The nine year effort has seen over 25,000 local people receive healthcare and medicine and represents an investment of more than \$600,000 by CAU, Doosan & Doosan Vina.

A spokesperson for Doosan Vina speaking on this ninth

medical CSR said, "Healthcare is one of our three CSR focuses that fall under our broader CSR umbrella of 'Building Healthy Communities.' We invest in our neighbor's healthcare, education and housing because we truly believe these three things are foundational to helping build sustainable and thriving communities."



Korean and Vietnamese doctors perform surgery at Central Vietnam's Quang Ngai General Hospital as a part of Doosan Vina and CAU's 9th annual medical CSR



Patients receive medicine and gifts



Doctors from Chung Ang University Hospital examine Vietnamese patients



Doosan Vina volunteers like Kim Jihyun, Planning Team Leader, helps a local resident during her visit to the CAU clinic



Firefighting and Fire Prevention Training

The annual firefighting and fire prevention training program for employees was held by EHS from December 19th to 22th 2017

In addition to sharing basic fire fighting and prevention training the 179 trainees were shown the common causes of fires and the proper way to use equipment to extinguish a fire. They were taught how to use the different types of

extinguishers such as foam, CO2 and water.

Another key element of the training was a first aid course that would enable first responders to help people who had stopped breathing by administering CPR.

The training aimed to fight and prevent fires but also how to protect property and aid someone in an emergency.



The participants practice first aid



The participants practice basic firefighting and prevention

Military and Civil Defense Team Established

At the request of the Military from Quang Ngai, Doosan Vina's leaders held a meeting to announce the establishment of Doosan Vina's Military and Civil Defense Team.

The meeting was attended by: Senior Captain Do Thanh Hong, Deputy Chief of Quang Ngai's Military Lead Team Bui Van Thanh and Doosan Vina employees.

Ha Van Hung was appointed to be the leader and political

instructor, and Nguyen Tan Ut is deputy political instructor.

Also at the meeting, Doosan Vina committed to implement all regulations pursuant to relevant laws in regard to the defense team. This included protecting against risks and activities to help locals have a peaceful life, while learning and maintaining the political view point and striving to overcome challenges.



Members of Doosan Vina Military and Civil Defense Team with Military leaders of Quang Ngai

"Sharing experience and lessons learned" Workshop

On November 17th, 14 members From Doosan Vina (PI, HRD, MHS, Boiler and Water) joined a workshop titled "Sharing experience and lessons learned." The meeting was designed to improve the capacity and quality of Vietnamese enterprises. It was hosted by the Department of Standards Metrology and Quality of Danang with support from Vietnam's National Productivity Institute's that

provides expertise on capacity and quality improvement for companies

At the workshop, Doosan Vina's representatives made a presentation that shared the company's experience to help optimize management through programs like Visualization, Optimization (3D5S), Flow Stream and Set Wise.

After the presentation, Doosan Vina's employees answered questions from the audience to clarify methods that would help implement the ideas they presented.



Doosan Vina representatives answered question from the audience at the workshop



Doosan Vina employees attend the "Sharing experience and lessons learned" workshop

Home for the Holidays

Lunar New Year or Tet as it is known in Vietnam is the most important holiday of the year and holds special meaning for Vietnamese. It is chance for people who live / work far from home to return to their hometown to spend time with family and greet the New Year together.

As in previous years, Doosan Vina and the Labor Union organized a program to transport employees and relatives to their hometowns for the Tet holiday.

This year 255 people registered for the free trip home and that included 108 staff and 147 of their

relatives. It started on February 13th 2018 at Doosan Vina and involved eight routes. The fleet of buses went to: Ha Noi, Thanh Hoa, Dak Lak, Vinh, Quang Binh, Binh Dinh, Hue and Da Nang and returned to Doosan Vina in Quang Ngai on February 19th 2018.

Mai Ngoc Ha, ER Department said: "My hometown is Daklak Province. It is really difficult to find tickets for transportation home for Tet so this benefit is really appreciated. I'm proud of this because working in a company that cares for its employees this way is heartwarming and I want to say thanks to Doosan

Vina and the Labor Union for arranging this."

Sharing his feeling about this was, Ha Van Hung, Chairman of the Doosan Vina Labor Union who said: "With the support of the company, the Labor Union

organized this so that our employees can start the New Year happy and know that the union and the company are looking after their wellbeing."



The latest Doosan Vina buses stand waiting to take employees home for Tet



Doosan Vina employees and their families head home for Tet



Doosan Vina employees head home in style in air conditioned buses



CEO & General Director of Doosan Vina Park Hong Ook (first left) and others see employees and their families off for the Tet holiday



Doosan's Olympic Medal Archery Team and Vietnam's National Archery Team Train

Six South Korean archers of the Doosan team that won the Silver Medal in the Atlanta Olympics spent a week in Vietnam training the Vietnamese National Archery Team. This was the fourth training rotation of the six year program that was signed between Doosan, Doosan Vina, The Vietnamese Sport Ministry and Vietnam's National Archery Team in 2013.

The Doosan Korean Olympic silver medal archers were in Hanoi to deliver advanced skill training from December 04 to 8, 2017. This training session was designed to help build confidence and prepare the Vietnamese team for competition on the international stage.

This and the three previous training packages that have



Korean coaches and Vietnamese archers check their shots

been held in Vietnam and Korea are one of the activities covered in the Memorandum of Cooperation that also commits to providing financial assistance, equipment, skill and technical training.

The Archery Team of Doosan Korea was founded on July 01, 1994, consists of six members and is the leading Korean international archery team. The team has won several awards in international meets that include a Silver Medal at the Olympics in Atlanta (1996), World Championships, two Gold Medals in the 1997 Korean Archery finals and a Men's Gold Medal at the 2008 Korean Nationals, as well as the National Overall Trophy and a Third place in the 2009 Nationals.



Silver medalist from Atlanta Olympics Bo Ram Kim and Vietnamese archer, Lộc Thị Đào, the Bronze Medal winner at the Asian Archery Championship 2017 work on style



Cáp Mạnh Tân - Coach; Moon Soo Lee - Coach (Doosan); Lộc Thị Đào - Archers; Bo Ram Kim; Chu Đức Anh; Won Jae Jang; Nguyễn Hoàng Phi Vũ; Jae Won Jang; Hoàng Văn Lộc; Nguyễn Thanh Bình; Nông Văn Linh; Nguyễn Hữu Ngọc; Geun Cheol Choi - Head coach (L-R)



The archers listen to the coaches during a practice