

WHA... Newsletter **CONNECT:**



October 2020, Vol.48 : No.3

5G FOR SMART MANUFACTURING

The text '5G' is rendered in a large, glowing, blue-outlined font, centered in the upper half of the image. The background is a dark blue gradient with various glowing icons (Wi-Fi, cloud, globe, speech bubble, @ symbol) connected by thin lines, suggesting a network or smart manufacturing theme.

Group CEO Talk
5G for Smart Manufacturing
@WHA Industrial Estates

Grand Opening
WHA Mega Logistics Center Laem Chabang 2

BIG & WHAID JV
for Industrial Gas Production and Distribution

WHA E-Job Market - Matching WHA Customers and Job Seekers

Asno Horie & Continental Tyres
WHAUP Solar System Showcases

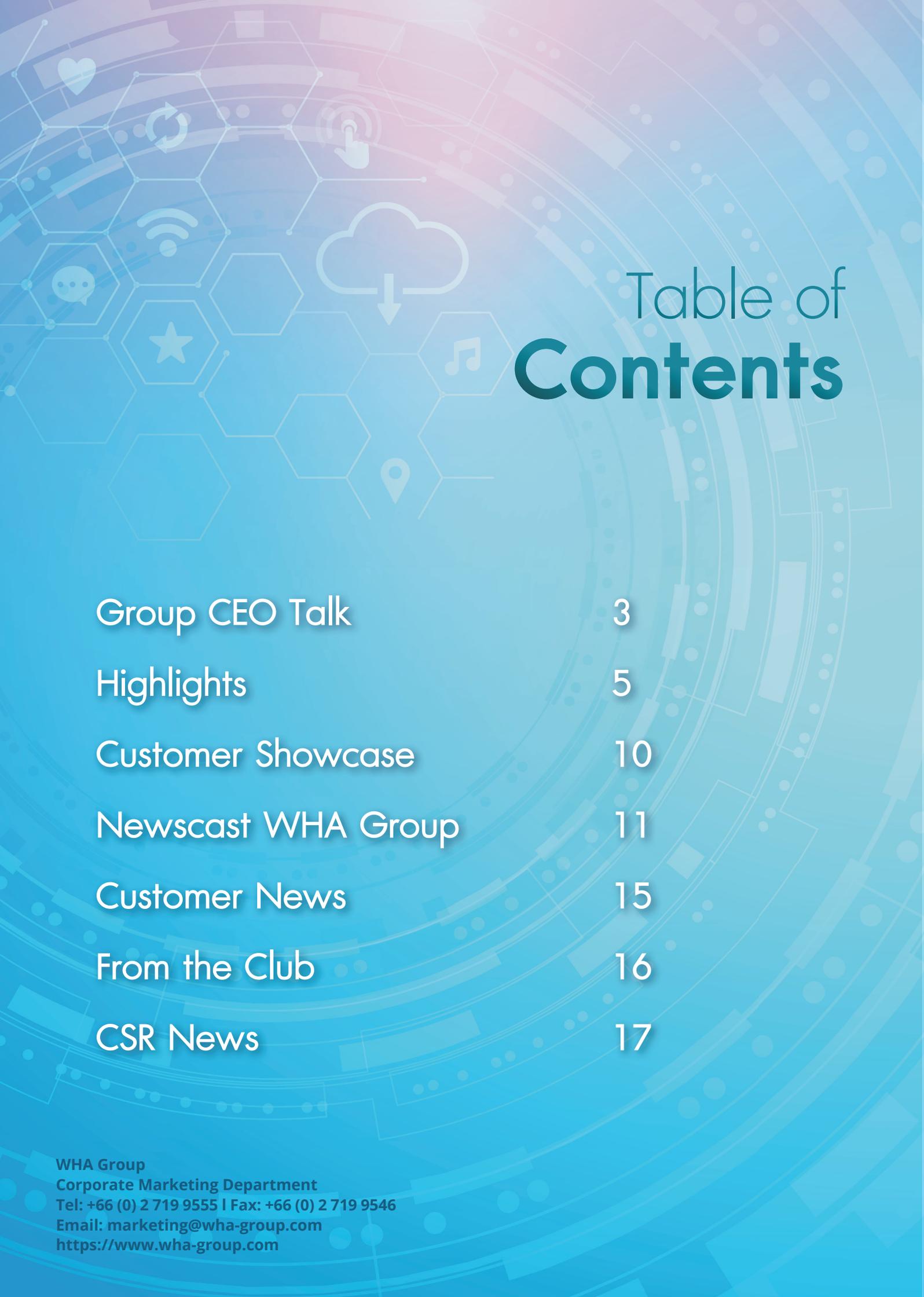


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GROUP CEO TALK

5G FOR SMART MANUFACTURING



Ms. Jareeporn Jarukornsakul
Chairman and Group CEO
WHA Corporation PCL

5G is the fifth-generation technology standard for cellular networks which has become a trending topic at the moment. According to the Global System for Mobile Communications Association (GSMA), 5G offers a download speed of 1-10 Gbps, substantially improving the mobile internet experience as the current average home broadband internet can deliver only 10-100 Mbps. When comparing the 5G technology with its predecessors, 5G is not only much faster, but it also provides a more stable and secure connection.

Because smart connections lie at the heart of Industry 4.0 transformation, industries of the future will require a robust interconnection between devices, machines, and IT systems as well as the widespread adoption of wireless communication technology. Examples of emerging digital trends include the application of industrial robots and automated warehouses, the use of drones and sensor devices for smart farming, and the pioneer of autonomous vehicles. Moreover,

thanks to the proliferation of machine learning and Big Data, the healthcare industry is now able to offer advanced drugs and medical equipment as well as to provide more accurate diagnosis and treatment solutions.

Possessing both speed and reliability, **5G has the potential to enable fundamentally new applications, industries, and business models via unprecedented use cases that require high data-rate instantaneous communications, low latency, and massive connectivity.** The applications of this next-generation network, unlike 3G and 4G, will therefore not be limited to the consumer market, but can extend to serve the industrial segment, both small companies and large conglomerates that want to optimize their operations and manufacturing processes by using digital technology. For example, under a smart factory concept that allows factory workers to control the operations both on-site and remotely, IoT devices, industrial robots, and automated platforms are steadily connected via 5G and the Cloud.

The development of 5G infrastructure inevitably requires additional investment since many elements of 5G technology are built on top of the existing 4G network. As a result, the investment will likely be worthwhile in industrial zones or big cities where stable network infrastructure and demand already exist. Designated to become a world-class economic zone for new S-curve industries, the Eastern Economic Corridor (EEC) is therefore the perfect location where 5G and IoT provide a wealth of data allowing business enterprises to gain insights into their operations

like never before. Firms will be able to operate and make key decisions driven by data, paving the way for cost savings, better customer experience, and long term growth.

Located in EEC areas, WHA industrial estates recently received a 5G Sandbox license to explore and develop 5G solutions within assigned areas. To drive the initiative forward, WHA has signed MOUs with leading telecom operators including AIS, True Corp., DTAC, and CAT to conduct 5G network and frequency planning within all WHA Group's industrial estates situated in EEC provinces. This collaboration will be a significant step to continue WHA Group's leadership position in the industrial development business by offering the most up-to-date infrastructure that can bring in operational efficiencies to all customers.

The successful implementation of 5G within EEC's industrial zone will be a key to national development of 5G technology that not only enhances Thailand's industrial and service sectors but also increases the country's telecommunication competitiveness to match with other technologically-advanced countries such as the US, South Korea, Japan, and China, where 5G is already offered widely.



NEW on 5th October 2020

Investment Promotion Division 1-4 Investment Monitoring Division 1-2



Investment Promotion Division 1

Agricultural, Bio and
Medical Industries



Investment Promotion Division 2

Advanced
Manufacturing Industries



Investment Promotion Division 3

Basic and Supporting
Industries



Investment Promotion Division 4

Digital & Creative Industries
and High Value Services



Investment Monitoring Division 1

Audit, monitor and evaluate the investment projects approved by Investment Promotion Division 1 and 2



Investment Monitoring Division 2

Audit, monitor and evaluate the investment projects approved by Investment Promotion Division 3 and 4

HIGHLIGHTS

Grand Opening Ceremony of WHA Mega Logistics Center Laem Chabang Project 2



In the picture: Ms. Jareeporn Jarukornsakul (front row, center left), Chairman and Group CEO, WHA Corporation PCL, and Mr. Jakrit Chaisanit (front row, 2nd right), Chief Operating Officer, WHA Corporation PCL, are seen at the Grand Opening ceremony of Mega Logistics Center Laem Chabang 2, with WHA executives and staff in attendance.

WHA Group, Thailand's leader in fully-integrated logistics and industrial facilities solutions, recently held the Grand Opening ceremony of its new Mega Logistics Center Laem Chabang 2. The new facility, WHA Group's second Mega Logistics Center in Laem Chabang Project 2 and its 38th in Thailand, is conveniently located just 6 km from Mega Logistics Center Laem Chabang 1.

With a total building area of 44,800 sq.m., the center will be leased to two tenants. Occupying 34,700 sq.m., Thai Samsung Electronics will use the site as its main distribution center for home appliances, such as TV sets, air-conditioners, refrigerators, washing machines and more. A trusted partner of Thai Samsung for almost ten years, DB Schenker will occupy 10,100 sq.m. to continue serving Thai Samsung's customers in Thailand and neighboring countries like Myanmar, Laos and Cambodia.

Strategically located in the heart of the Eastern Economic Corridor (EEC), Mega Logistics Center Laem Chabang 2 is just 4.5 km from Thai Samsung Electronics' main plant. It is also close to the motorway, providing easy access to Laem Chabang deep seaport, Suvarnabhumi airport and Bangkok.

The building size and construction design including floor flatness, plus features such as LED motion sensors, are ideal to accommodate the technologies specific to the logistics industry. The center will also be used for management, administration and training activities.

"We are very pleased to welcome these two prestigious companies to our newest mega logistics center," said Ms. Jareeporn Jarukornsakul, Chairman and Group CEO, WHA Corporation PCL. "It reaffirms the strategic role we play in the logistics industry in the EEC, which is Thailand's main industrial base and logistics hub. We look forward to serving Thai Samsung Electronics and DB Schenker, as they continue to expand their commercial presence both in Thailand and neighboring countries. This is a win-win situation for all parties involved."

With the addition of this 38th logistics center, WHA controls about 2.39 million sq.m. in various logistics facilities in Thailand, including built-to-suit facilities (BTS), ready-built factories (RBF) and warehouses. The group plans to reach over 3 million sq.m. within the next 3-4 years.

BIG and WHA ID Establish Joint Venture for Production and Distribution of Industrial Gas



“ Our innovative industrial gas production and pipeline network distribution, monitored digitally, will not only increase reliability in the transmission of gas, but will also help manage costs more efficiently than trucks. We are confident that BIG’s digital innovation and technology in industrial gas will sustainably enhance the growth of Thailand’s EEC project.

– Mr. Piyabut Charuphend
Managing Director, BIG ”

Bangkok Industrial Gas Co., Ltd. (BIG), Thailand’s innovative industrial gas solutions, and WHA Industrial Development PLC (WHA ID), the country’s leading developer of industrial estates, recently announced the establishment of a joint venture (JV) company named BIG WHA Industrial Gas Co., Ltd. BIG will hold 51% and WHA ID 49% of equity shares.

In the first stage, the joint venture company will build a gas-generation plant with a pipeline to provide its customers with nitrogen in the ESIE and adjacent WHA ESIE 1, home to Thailand’s automotive cluster. The Commercial Operation Date (COD) is expected to take place in the first half of 2022. Production and distribution via pipeline of oxygen, or other industrial gases will subsequently be added to the JV product portfolio. In addition, from a geographical expansion perspective, the JV company will grow to include other WHA industrial estates in Chonburi and Rayong provinces.

“We are delighted to form this JV company with WHA ID. It will enable us to serve customers initially in ESIE and WHA ESIE 1, and at a later stage in other WHA industrial estates in an efficient and reliable manner. The pipeline solution will be a significant improvement compared to delivery by trucks,” said Mr. Piyabut Charuphen, Managing Director of Bangkok Industrial Gas Co., Ltd.

“This new joint venture is in line with our concept of ‘Smart Eco Industrial Estates’ and our strategy to develop win-win partnerships with industrial experts for the benefit of our customers,” said Mr. David Nardone, Group Executive Industrial and International, WHA Industrial Development PLC. “We share with BIG the common objective to offer new value-added products and services or to improve existing ones. This JV is a perfect example of what we can do to improve the supply and distribution of industrial gas in our industrial estates,” he concluded.

Industrial gas is used in a wide range of industries, such as automotive, electronics, petroleum and petrochemical, steel and metal, glasses, food and beverage, and medical gas.



WHAUP Secures Solar System Solutions with Asno Horie and Continental Tyres

WHA Utilities & Power PLC (WHAUP) recently reached an agreement to install a solar rooftop with a capacity of 2,012 KW at the second factory of Asno Horie (Thailand) Co., Ltd., alongside a contract installing a solar system for Continental Tyres (Thailand) Co., Ltd. with a capacity for 4.2 MW.



WHAUP CEO Dr. Nippon Bundechanan reveals the company has been successfully providing integrated solar rooftop installation services to customers both in and outside industrial estates, mainly due to its experience and expertise in the utilities and energy business, as well as its solid business structure.

Showcasing its leadership in integrated solar system solutions, this emphasizes the company's ongoing potential and investors' confidence to expand their investments with WHAUP.

Asno Horie (Thailand) takes WHAUP shareholding equity capacity to exceed 597 MW

Following the installation in March of a similar project at Asno Horie's first factory, this second project is expected to be completed and generate revenue in October this year. Dr. Nippon says the new contract will drive WHAUP's electricity-generating capacity, in terms of shareholding equity, to exceed 597 MW, up from the full-year target of 591 MW.

A leading auto parts producer, Asno Horie's second solar rooftop installation in ESIE will cover 18,360 sq.m. with an installed capacity of 2,012 KW and gradually generate revenue under the 15-year service contract. Prior to this, WHAUP successfully installed a solar rooftop at Asno Horie's first Thai factory, covering roof space of 14,375 sq.m., with an installed capacity of 1,617 KW. The first phase was completed in March 2020 and began commercial operations under the 20-year service contract. The two phases of solar rooftop installation at Asno Horie (Thailand) will have the total installed capacity of 3,629 KW, to be used for its auto parts production lines.

WHAUP was tasked to provide the solar rooftop at the second factory due to the quality of its installation and services. Mr. Hidehiko Horie, President of Asno Horie (Thailand), said the company is confident in WHAUP's potential and expertise and awarded it the additional solar rooftop installation contract because WHAUP is the specialist in engineering design, installation and construction. "WHAUP also takes care of necessary permits," Mr. Horie noted, "and provides integrated after-sales services by a professional team that understands safety standards for the customer."

Asno Horie (Thailand) sees the importance of solar rooftop installation, in line with its policies on energy saving, environment protection and greenhouse-effect reduction. The two phases of solar rooftop installation will help the company reduce electricity costs by up to THB 230 million during the 25-year agreement and offset CO2 emissions.

Continental Tyres (Thailand) deal drives 4.2 MW of solar power

WHAUP's agreement with Continental Tyres (Thailand) Co., Ltd, the leading tyre manufacturer from Germany, covers the installation of solar systems at two factory buildings with a combined space of 27,400 sq.m. Located at WHA ESIE 4 in Rayong, the first factory will have a capacity of 482 KW and the second 2,275 KW respectively.

Additionally, the company will also install solar roof systems on its carpark, covering a total of 8,400 sq.m. with a generation capacity of 958 KW, and a floating solar farm on a 7,000 sq.m. pond, with a generation capacity of 475 KW. The solar energy installations in these four areas will generate a total of 4,190 KW or about 4.2 MW. The contract will be valid for 15 years and is due to be completed and ready to generate revenue by February 2021.

Once the 4.2 MW solar power system for Continental Tyres is completed, WHAUP's electricity-generating capacity based on the shareholding will reach 596 MW. WHAUP expects this project to generate revenue of THB 16.3 million on average per year, for a total of THB 223 million throughout its 15-year service contract.

WHA E-Job Market Initiative Matches WHA Customers with Job Seekers

WHA Industrial Development PLC (WHA ID), the country's leading developer of industrial estates, is announcing the launch of the WHA E-Job Market, an online platform that will match its customers' recruitment needs with the qualifications of job seekers.

As part of WHA Group's CSR initiatives, the E-Job Market program is easily accessible through the company's website. It will enable job seekers, especially those from neighboring communities, to match their qualifications and skills with the needs of companies in WHA logistics facilities and industrial estates.

Since its soft launch in late June, the online channel has already received over 150 job openings posted by WHA customers. WHA Group is currently running a marketing campaign to reach out not only to its customers, but also to its business partners, educational institutions, government agencies and communities around its industrial estates and logistics centers in the EEC.

WHA held 'E-Job Market Week' in July 2020 to enable companies and their recruitment agencies to arrange online or face-to-face interviews with shortlisted candidates. By offering the opportunity to future employers and workers to 'meet' and discuss, this online job fair was an excellent way to match the right people with the right jobs.

"The COVID-19 situation impacted a number of industries and affected many of their employees. But on the bright side, we also see companies that are looking forward to filling vacancies, specifically in their production lines," commented Mr. David Nardone, Group Executive Industrial and International, WHA Industrial Development PLC. "Through the WHA E-Job Market, we provide a platform to create a win-win situation for all, by matching our customers' HR needs with job seekers' expectations."

WHA customers are now invited to send in their job vacancies and employee requirements, while job seekers can post their applications in the WHA Industrial Estate website free of charge. WHA's website is also linked to the Vocational Education Commission's website where vocational and/or technical graduates nationwide can visit and check job announcements.

Posting on the WHA Job Pool is quick, simple and efficient. By going to the website www.wha-industrialestate.com and clicking on the WHA Job Pool icon on the top of the page, companies can post their job advertisements while job seekers can fill and submit their job application forms online, free of charge.



WHA E-Job Market

The 1st Online Job Market in Eastern Seaboard

WHA E-Job Market Partners

ManpowerGroup | REERACOEN | prtr Recruitment Outsourcing



WHA Industrial Zone 1 – Nghe An: An Attractive Destination for Foreign Investors

Three years after its official launch, WHA Industrial Zone 1 – Nghe An has become a strong magnet for local and international investors. Thanks to its world class facilities and its practical one-stop service, its first customers can launch and operate their industrial projects with minimum delay and maximum efficiency.

Thailand-based WHA Group selected in 2017 Nghe An province in North Central Vietnam to launch WHA Industrial Zone 1 – Nghe An, bringing to the country its unique 30-year experience in developing world-class industrial estates. Strategically located at Dong Nam Nghe An Economic Zone, WHA Industrial Zone 1 – Nghe An has completed 143.5 of the 498 hectares representing the project's first phase, enabling it to welcome its first customers from Japan, Thailand and China.

The suitable geographical location, together with Nghe An province's expanding transportation infrastructure, its large population of 3.2 million people and a well-trained workforce, were among the key reasons why WHA Group chose Nghe An for its first footprint in Vietnam.

Nghe An province offers a series of logistical advantages, such as the Vinh City International Airport; an 82-km coastline with convenient access to 3 deep seaports (Vissai, Cua Lo and DKC); a railway network that connects the north to the south; and 8 national route highways running through the province.



In terms of education and training facilities, it offers 7 universities, 6 colleges, 4 professional schools and 67 vocational schools. WHA has signed bilateral agreements with educational institutions in Vinh City to facilitate the preparation and development of potential employees.

“Vietnam, especially in this post-pandemic era, is attracting increasing foreign investments,” said Mr. David Nardone, Group Executive - Industrial and International, WHA Industrial Development PLC. “With the solid support of the Vietnamese government and provincial authorities, Nghe An has become an integrated hub for business, education, manufacturing and logistics, contributing further to the development of the country,” he explained.

Leveraging on WHA’s 30 Years of Experience in Thailand

WHA IZ1 investors can benefit from WHA Group’s 30 year-experience in the development of world-class industrial estates in Thailand, where it currently operates 11 industrial estates, representing a surface area of over 7,800 hectares, over 800 global customers and with an estimated global investment of USD 33.2 billion. WHA Industrial Zone 1 – Nghe An is equipped with world-class infrastructure, including roads, water utilities, power supply, modern communication systems, air quality and security monitoring. Land plots in various sizes, ranging from 5,000 to 100,000 sq.m. can meet the requirements of investors.

For easy and practical access, the road system consists of one 4-lane main road and a 2-lane secondary road, both with concrete pavement of up to 25 cm. In line with WHA Group’s environment-friendly policies and a primary selection aspect for investors, the water system features an expandable storage tank of 5,000 cu.m. and a water treatment plant, also with an expandable capacity of 10,000 cu.m. Using biological technology, including an underground filtration system, the wastewater treatment facility has started to collect wastewater from customer factories. It is equipped with aerated lagoons and constructed wetlands with an adaptable capacity of 3,200 to 9,600 cu.m. per day.

Moreover, flood protection utilizes a dike surrounding the industrial zone at 4.30 meters above the sea level, plus a large 60,000 cu.m. retention pond with an automatic switch pump station.

Full access to electricity is secured through direct access to the national power grid, with 22kV and 110kV capacities. LED streetlights reduce energy consumption by more 50%. For telecommunications, the fibre optic infrastructure permits high-speed internet everywhere in the



industrial zone. A dedicated air quality monitoring system (AQMS) is working 24/7 to monitor the highest health and environment standards.

Mr. David Nardone, Group Executive Industrial and International, WHA Industrial Development PLC. commented: “As the region’s fastest growing economy and thanks to its excellent handling of the COVID 19 pandemic, Vietnam is increasingly considered by potential investors as a safe and attractive destination, enhanced by the investment-friendly policies of Nghe An province. We are confident that Vietnam in general and our industrial zone in particular will attract more and more foreign investors.”



The Dong Nam Economic Zone Authority (DNEA) has set up a One Stop Service for investors who can benefit from special incentives in terms of import tax and corporate income tax.

In addition to WHA Industrial Zone 1 – Nghe An’s 498-hectare Phase 1, another 6 phases, representing a total area of 3,200 hectares upon completion, are scheduled for future development.



CUSTOMER SHOWCASE

Hakuzo Medical Asia Co., Ltd.

Building Essential Partnerships and a New Factory for Medical Supplies



Established in 1953 in Osaka, Japan, Hakuzo Medical is a manufacturer and distributor of medical supplies and hygiene products. Initially producing gauzes and bandages for medical treatment, their business has expanded to include a wide range of products from combating infectious diseases to caregiver supplies.

After establishing a local representative office in Singapore and identifying market trends, Thailand was determined as the best location for their production base, outlined Managing Director Mr. Koichiro Sasaki. "It sits in the center of ASEAN and in terms of raw materials, it's possible to source 70-80% of all materials we use domestically in Thailand at this moment." The local Thai office was established in 2017 and its full Thai subsidiary in 2019.

The Thai factory will be the first overseas production base for Hakuzo, with plans to produce adhesive plasters, disinfectants, dialysis kits, sheets for brain surgery, and other products for health care agencies such as hospitals. At the same time, diseases caused by changing lifestyle habits are projected to increase, and local production which enables low-cost manufacturing will successfully meet these growing needs.

"In view of rising health concerns and coronavirus, people's awareness of public health in Asian countries including Thailand will be improving."

After visiting around 10 industrial estates and lands in Thailand, the company chose WHA Chonburi Industrial Estate 2 (WHA CIE 2) to begin constructing their factory. Using 3 rai of their total land area of 9 rai (approx. 4,800 sq.m. of a total 14,400 sq.m.), the first phase of building has only just begun. Mr. Sasaki said that it has been a smooth implementation, as the site is part of an industrial estate certified by IEAT (Industrial Estate Authority of Thailand) and no further applications for approval were necessary from the Thai Board of Investment (BOI).

"The WHA staff are knowledgeable, friendly and experienced," said Mr. Sasaki, "and they provide us with sound advice. They know well what kind of problems their customers experience." He noted the factory's location only 90 minutes' drive from Bangkok, along with many experienced workers in the Chonburi area, were additional advantages.

"We'll aim to start operations in 2021 with 10-20 employees at first," Mr. Sasaki said, "and our goal is to switch totally to local procurement in the future. Much of the product shipment will be for the Thai domestic market for some time to come, but we intend to expand export gradually to Japan, ASEAN and Taiwan."



Contact information

Mr. Koichiro Sasaki
Managing Director
Hakuzo Medical Asia Co., Ltd.
www.hakuzoasia.com/



NEWSCAST WHA GROUP

WHA Group CEO Shares Perspectives on Shaping Business During COVID-19 Pandemic



Ms. Jareeporn Jarukornsakul, Chairman and Group CEO of WHA Corporation PCL, was among the guest speakers at the recent panel discussion entitled *Public Company Stocks to Watch During the COVID-19 Crisis*, hosted by the Nation Multimedia Group. Speaking alongside Mr. Sarath Ratanavadi, Chief Executive Officer of Gulf Energy Development and Mr. Auttapol Rerkpiboon, President of PTT Public Co., Ltd, Ms. Jareeporn shared WHA Group's strategic directions to optimize and expand

its businesses despite the global COVID-19 crisis. Leading investors and market analysts listened to her in-depth analyses of business challenges as well as new opportunities and demand stemming from the pandemic.

WHA Group's Board of Directors Visits WHA Industrial Estates



WHA Group's Board of Directors and executives, led by Ms. Jareeporn Jarukornsakul, Chairman and Group CEO, WHA Corporation PCL, recently went on a visit to WHA industrial estates. During the full-day visit, the Board explored the latest developments such as the SUPERNAP Thailand data center and eco-friendly initiatives such as Chonburi Clean Energy's waste-to-energy power plant and the constructed wetlands.

WHAUP to Pour THB 300 Million on Reclaimed Water Projects to Solve Drought and Boost Revenue



WHA Utilities & Power PLC (WHAUP) shows its potential in providing integrated utilities service by investing an additional THB 300 million on reclaimed water projects in WHA EIE (Map Ta Phut) and ESIE. These projects will convert wastewater into industrial water that can be reused to help solve drought problems in the Eastern Economic Corridor (EEC) in the long term, and boost potential and confidence for WHA Group's industrial investors.

Mr. Nippon Bundechanan, CEO of WHAUP, reveals that following the recent drought crisis, WHAUP has concrete measures to help relieve the water shortage in WHA Group's industrial estates. It has invested in various projects as well as developed staff capability in preparation to solve problems.

After the company's newly-increased reclaimed water production capacity of 15,000 cu.m. per day, its total production capacity of reclaimed water in WHA EIE (Map Ta Phut) will reach 25,000 cu.m. per day, up from 10,000 cu.m. per day in 2019. This project will require an investment of THB 200 million and will be fully completed in the last quarter of 2020. WHAUP will start a partial distribution of 5,000 cu.m. per day from the third quarter of 2020.

"The reclaimed water will help us secure raw water resources in the long term and can solve drought

problems sustainably. Moreover, reclaimed water can be converted into demineralized water or high-quality water for industrial operators in WHA Group's industrial estates. The value of demineralized water is higher than normal industrial water by 40–60% and industrial operators will receive direct benefits from this project, as they will not have to shoulder the investment burden and operating costs on the utilities system, while using water from a professional service provider. WHAUP foresees that this additional investment will help it produce high-quality industrial water or demineralized water and boost sales by THB 200 million per year."

Additionally, the company has a reclaimed water project in ESIE with a capacity of 5,200 cu.m. per day to help solve drought problems and produce premium clarified water for power plants. WHAUP has signed a 15-year water sale contract worth THB 770 million with Gulf Energy Development PLC to distribute the premium clarified water to the latter's power plants.

This reclaimed water project will require an investment of THB 108.2 million and enhance the company's capacity to distribute industrial water for customers in WHA Group's industrial estates. It will also create added value for the water business for WHAUP to further drive its revenue growth in the future.

WHA Group Welcomes Delegates from Security Management and Leadership for Executives Programme

Ms. Jareeporn Jarukornsakul, Chairman and Group CEO of WHA Corporation PCL, warmly welcomed executives and participants of the Security Management and Leadership for Executives Programme (SML) to WHA ESIE 1 and ESIE. The group, led by Gen. Supot Thammamongrat, Vice Chairman of the Association of National Defence College (NDC), was in the EEC to observe operations at WHA industrial estates. During the visit, they were given an overview on how WHA utilizes technology to enhance its infrastructure and services to better assist its customers.



WHA Infonite and JasTel Ink Data Center Deal

WHA Digital, through WHA Infonite Co., Ltd. – a subsidiary of WHA Group, Thailand’s leader in fully-integrated logistics, industrial estates, utilities & power and digital platform – has finalized a data center agreement with JasTel Network Co., Ltd. (JasTel), a leading telecom network, service and internet provider in Thailand. JasTel is a subsidiary of Jasmine International PCL (JAS).

WHA Infonite and JasTel have been long-time business partners, enjoying strong cooperation and support. Under this new agreement, starting in June, JasTel will use WHA’s Premium Data Centers (Tier III) for its system networks and rack colocation, representing 109 racks, to support its growing services to customers.

“We are very pleased to reinforce our long-time partnership with JasTel,” declared Mr. Kraitos Ongchaisak, Chief Executive Officer, WHA Infonite Co., Ltd. “Our Tier III premium data centers represent a trustworthy solution that meets JasTel’s requirements. In terms of safety, our data centers are equipped with their own generators, UPS, cooling and fire suppression systems. We also use renewable energy, in an effort to help protect the environment,” he explained.

“This agreement will enable us to expand our business further and to offer the latest technologies to our customers,” commented Mr. Subhoj Sunyabhisithkul,

President of JasTel. “WHA Infonite’s data centers are operated with international standards to ensure business continuity at all times, a key element in our service offering to our local and international customers,” he added.

“ In today’s digital era, and as shown by the COVID-19 crisis, we know that data is one of the most valuable resources for any business. Continuous and safe access to digital infrastructure is almost as important as access to electricity and other utilities.

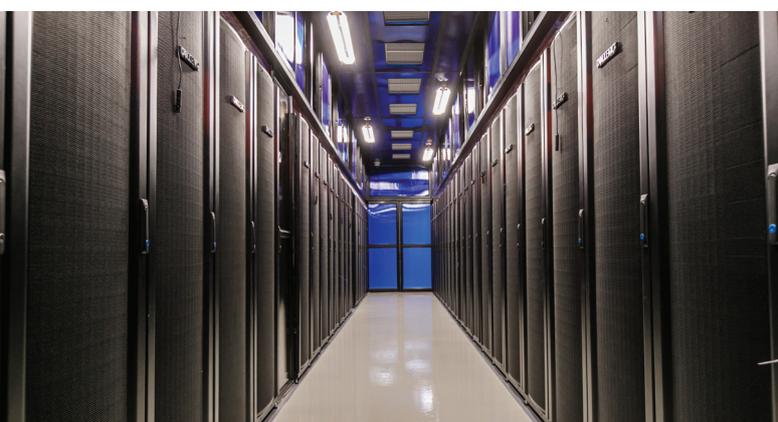
*– Ms. Jareeporn Jarukornsakul,
Chairman and Group CEO, WHA Corporation PCL*



“With this agreement, we are glad to contribute to JasTel’s business expansion through the use of WHA’s world-class data centers,” Ms. Jareeporn said.

WHA Digital provides various managed services and digital solutions to serve its logistics and industrial clients, including FTTx, equipment rental, IT outsourcing, VMS video management service, telephony with IP-PBX technology and call center, email, website, firewall, security and storage, backup system, colocation and access control system. Customers can choose these services and solutions on a pay-per-use basis, according to their specific requirements.

In September 2019, WHA Digital enhanced its cloud business unit to answer the growing IT and data needs of its customers, including back-up, disaster recovery (DR) and data storage. WHA has a dedicated team of experts trained for equipment maintenance and data center management to ensure the best services and solutions are available 24 hours a day, every day.



WHA Group Welcomes UN & UNIDO Delegation to Study Green Initiatives in Industrial Estates



In the picture: Ms. Fasai Finch (3rd left), Senior Manager - Corporate Marketing, WHA Corporation PCL, Ms. Piyatida Tirawan (right), Senior Manager Environmental and Safety, and Mr. Sathapanic Piroondee (left), Senior Site Manager at WHA Industrial Development, give a warm welcome to Ms. Gita Sabharwal (center), UN Resident Coordinator in Thailand, Mr. Thamana Lekprichakul (3rd right), Data and Results Reporting Officer, Office of the United Nations Resident Coordinator; and Ms. Sooksiri Chamsuk (2nd right), Program Officer at United Nations Industrial Development Organization (UNIDO), during their visit to the EEC.

A delegation from the United Nations (UN) and the United Nations Industrial Development Organization (UNIDO) recently visited ESIE in the Eastern Economic Corridor

(EEC). The purpose was to observe WHA's business operations aligned with the UN's 17 Sustainable Development Goals. The UN is currently working with the Industrial Estate Authority of Thailand (IEAT) to promote the development of resource-efficient and low-carbon industrial estates. The delegates got an overview of WHA's mission towards sustainability and its long-term vision to operate eco-friendly industrial estates.

Khlong Wang Tanode Basin Committee Visits WHA's Wastewater Management and Treatment Project in Rayong

The Khlong Wang Tanode Basin Committee, led by Chairman Dr. Charoen Piyarom, recently visited the Map Ta Phut Industrial Estate Office in Rayong to observe some of Thailand's eco-industrial projects. The Industrial Estate Authority of Thailand, the Water and Environment Institute for Sustainability and WHA Group welcomed the visitors and gave them an overview of the company's environment-focused projects in the EEC.



The trip included a comprehensive tour of WHA's Wastewater Management Project to Pluak Daeng community, Rayong. Dr. Niphon Bundechanan, CEO of WHA Utilities and Power, led and explained the company's Clean Water for Planet initiative and its wastewater treatment services available for industrial estates in the EEC. With a capacity of 400 cu.m. per day, the plant uses sustainable wastewater technology to help create a greener community for generations to come.



CUSTOMER NEWS

Vina Sun Energy Land Lease Deal at WHA Industrial Zone 1 – Nghe An



In the picture: Ms. Nguyen Thi Bich Lien (3rd left), General Director of WHA Industrial Zone Nghe An JSC and Mr. Le Khac Thai (3rd right), Director at Vina Sun Energy Investment JSC celebrate the land sublease agreement in the presence of Mr. Nguyen Duc Chinh (2nd right), President of Vina Sun Energy Investment JSC and other company executives.

Vina Sun Energy Investment JSC, manufacturer and supplier of automotive spare parts to heavy truck producers such as ZAC, Dongfang and HOWO recently finalized a land lease agreement for its new base at WHA Industrial Zone 1 – Nghe An. The future facility, which includes a logistics warehouse, will help the

company expand its production capacity to serve the increasing demand of its customers in regional and global markets.

Primax Electronics and Tymphany Acoustic Breaks Ground for New Plant in WHA ESIE 2



In the picture: Ms. Ladda Rojanavilaivudh (center right), Vice President - Industrial Land & Building Customer Development, and Ms. Natatan Jantong (right), Assistant Director Industrial Land Customer Development, of WHA Industrial Development PLC congratulate Mr. Charles Yang (center left), General Manager, and Mr. Alex Liu, Chief Plant Manager, of Primax Electronics (Thailand) during the groundbreaking event.

Primax Electronics (Thailand) Co., Ltd., a Taiwan-based manufacturer of electronic components and products, together with the major subsidiary Tymphany Acoustic Technology (Thailand) Co., Ltd., recently held the groundbreaking ceremony for its new overseas production base at

WHA ESIE 2. Located at the heart of Thailand's Eastern Economic Corridor, the future facility will use the latest manufacturing innovations to produce a wide range of high-quality visual/audio interface electronic devices and accessories to serve its increasing customers worldwide.

Hakuzo Medical Asia to Start Operations at WHA CIE 2 in 2021



WHA Industrial Development PLC (WHA ID), the country's leading developer of industrial estates, is reinforcing its presence in the medical sector with a new Japanese investor, Hakuzo Medical Asia Co., Ltd.

After establishing a representative office in Singapore to assess market trends in ASEAN, Hakuzo opened a representative office in Thailand in 2017, followed by a full Thai subsidiary in 2019. The BOI-sponsored company is currently constructing its first production facility outside Japan at WHA CIE 2. Phase 1 will cover 3 rai out of the total 9-rai land area, or approximately 4,800 sq.m. out of a total of 14,400 sq.m., which the company purchased from WHA ID in 2019.



Expected to start operations in 2021, the Thai factory will produce infection control products, adhesive plasters, push swabs, sterile products, cottonoid for the central nervous system, eye sticks for absorbing fluid during an eye operation, and other products for hospitals and health care agencies. Initially producing gauzes and bandages for medical treatment, the Osaka-based company's business expanded to include a wide range of products from fighting infectious diseases to caregiver supplies.

Mr. David Nardone, Group Executive Industrial and International, WHA Industrial Development PLC, commented: "We are pleased to welcome Hakuzo Medical Asia to WHA CIE 2. This investment enhances the development of the 12 S-Curve

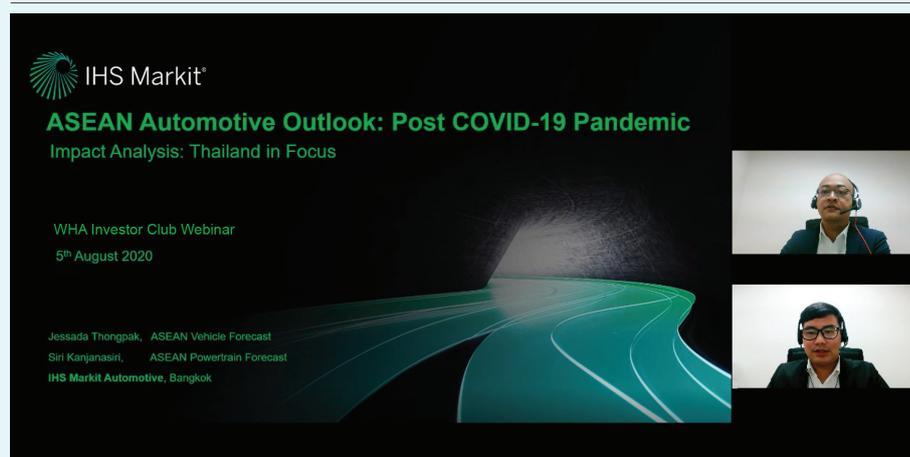
industries in the EEC, which includes medical products and services. It is also a timely response to the rising health concerns and people's awareness for medical and hygiene products due to the COVID-19 crisis." Mr. Koichiro Sasaki, Managing Director of Hakuzo Medical Asia, declared: "We visited several industrial estates before selecting WHA CIE 2. The WHA team was knowledgeable, helpful and experienced. Thanks to its long relations with other international customers, it provided us with sound advice which saved us a lot of time, effort and headaches."

"Thailand is well positioned in the region's center, plus our plant's location is only a 90-minute drive from Bangkok," added Mr. Sasaki. "Another advantage is we can source 70% to 80% of our raw materials locally, with an objective to switch totally to local procurement in the future."

When production starts, Hakuzo Medical Asia will first serve the Thai market before gradually exporting its products to Japan, Taiwan and ASEAN countries.

FROM THE CLUB

WHA Group Holds Investors Club Seminar on ASEAN Automotive Outlook in Post COVID-19 Era



WHA Group recently held its Investors Club Seminar online under the theme *ASEAN Automotive Outlook: Post COVID-19 Pandemic*. Mr. David Nardone, Group Executive Industrial and International, WHA Industrial Development PLC, welcomed two experts from IHS Markit: Mr. Jessada Thongpak, Research & Analysis Manager, ASEAN Light Vehicle Forecast, and Mr. Siri Kanjanasiri, Research Analyst, ASEAN Powertrain Forecast. They shared their insights on the production outlook for the automotive industry in Thailand and Southeast Asia, and also discussed new demands and trends to give participants a clearer picture of what lies ahead as the industry rebounds.

WHA Group Launches Initiatives to Help Surmount Challenges of Covid-19 Pandemic

COVID-19 has shaken the world in many unprecedented ways, and its repercussions are still difficult to assess. In Thailand, both the physical and psychological health of countless individuals, families and communities were gravely impacted while many victims were claimed by the virus. The pandemic affected many businesses and the lives of the most vulnerable in our society.

Since its inception, WHA Group has been looking after the well-being not just of the communities located around its industrial estates, but also of the widest number of people it can reach. During these trying times, the company has deployed numerous initiatives to adjust to the situation and support those in need.



Financial aid

Since the beginning of the COVID-19 outbreak, WHA has been making contributions to support medical front liners who work tirelessly around the clock to assist those seeking urgent medical attention. It also offered its support to the communities most impacted by the loss of jobs, and the unpredictable situations that the crisis provoked.

WHA Group made a 10-million-baht donation to the Faculty of Medicine of Siriraj Hospital and Ramathibodi Hospital to help those affected the most by the COVID-19 crisis.

The contributed funds came from WHA Group, Ms. Jareeporn Jarukornsakul, Chairman and Group CEO of WHA Corporation PCL, and the Dr. Somyos Anantaprayoon Foundation.

Part of the cash was used to purchase medical supplies and much-needed ventilators and ECMO machines to support patients with respiratory problems.

WHA Group also sponsored two CU-RoboCovid, created by the Faculty of Engineering, Chulalongkorn University. The 'Pinto' robots, now used at hospitals nationwide, assist doctors and nurses in their task to detect and treat COVID-19 cases, while reducing the risk of infection.

Other monetary donations were sent to communities to subsidize mobile temperature checkpoints, so villagers can be screened for fever and other COVID-19 symptoms.



WHA GROUP SCHOOL CONTRIBUTION PROGRAM HELPS FOSTER A BRIGHTER FUTURE FOR THE YOUTH

The company continues its unwavering efforts to help schools despite challenges posed by the COVID-19 pandemic

For the 23rd year, WHA Group, in collaboration with over 50 companies in WHA industrial estates, is helping students from low-income families use education as a stepping stone to improve their quality of life. Through practical donations, WHA Group's Annual School Contribution Program makes a positive impact on neighboring communities and society.

For five days during the month of July, WHA Group executives visited 50 schools and 15 child development centers in the vicinity of WHA industrial estates to deliver much-needed supplies and sports equipment for the mental, physical, social and academic development of 20,400 children. Each child received backpacks, notebooks, pens, pencils, crayons and other basic instruments for creative and educational learning in and out of the classroom.

Due to the pandemic, company representatives led by Ms. Siyaphas Chantachairoj, Director of Corporate Marketing, WHA Corporation PCL, also distributed alcohol gel to all schools to ensure that teachers and students protect themselves against and prevent the spread of COVID-19. "District and school officials received our contributions for the schoolchildren with appreciation and gratitude. Our teams also reached out to schools to promote correct personal hygiene and health awareness as schools reopen," she shared.

"Education is vital for a community to prosper sustainably. From a very early age, we can help improve lives and bring social changes to our neighbors," said Mr. David Nardone, Group Executive Industrial and International, WHA Industrial Development PLC.





Ms. Jareeporn Jarukornsakul, Chairman and Group CEO of WHA Corporation PCL believes it is more important than ever to invest in the youth of the community. "WHA establishes education-related initiatives like this to ensure that our young community members have the skills necessary to thrive within society and improve their lives. Education reduces economic inequalities which is one of the objectives of the government's Thailand 4.0 strategy."

WHA Group stands firm in its commitment to serve the community by helping schools share knowledge and skills that will provide the children with a well-rounded education, which is essential to achieving sustainable development in the community. Education is the key to transforming lives of the young, so they can develop into responsible adults who will make significant contributions to society.

"For over two decades, we have successfully shared with our employees, management and customers from the different industrial estates to join this worthy program. This reiterates our belief that together, we can help bring change through education. We would like to thank all our sponsors for their generous support throughout the years." - Mr. David Nardone, Group Executive Industrial and International, WHA Industrial Development PLC.

WHA Group Shows Solidarity with its Communities in the Midst of the COVID-19 Pandemic

WHA Group has always considered the community at the core of its development. Since its earliest days, the company has been looking after the well-being of the residential villages surrounding its industrial estates through initiatives that help foster a more progressive community.

These activities aim to help impact the lives of different groups: the youth, through a well-rounded education; the general public, through actions involving health, safety, security and the environment; and the elderly, through contributions that can make their lives more comfortable and meaningful.

Tackling the COVID-19 Crisis Together

Despite the anxiety and uncertainty brought about by the COVID-19 pandemic, WHA Group did not slow down its efforts to make a difference in the lives of its neighbors. WHA Industrial Development (WHA ID) donated a brand new vehicle to be used by the local police to ensure a safe working and living environment for all.

To help protect medical front liners bravely serving COVID-19 patients at Ban Khai Hospital, WHA donated a much-needed negative pressure cabinet. Built to prevent the proliferation of germs and viruses, it is crucial for reducing the risk of infection among patients and medical staff.

Food packs were distributed to vulnerable families with limited access to food or who suffered economic consequences as a result of the pandemic. In conjunction with Thai Red Cross Rayong Chapter and Rayong Hospital, a blood donation event was organized to ensure that blood supply is always adequate and ready for those in need.

Over at Aor Bor Tor Nong Sua Chang community, WHA representatives provided care packages containing first aid kits, adult diapers, soaps and basic medicines to senior citizens and those who suffer from limited or impaired mobility. They also participated in a clean-up activity in Ban Khai district, creating a stronger bond with local residents through environmental awareness.

"WHA Group is indeed very fortunate to have people that share the same respect and commitment towards the community," said Ms. Siyaphas Chantachairoj, Director - Corporate Marketing of WHA Corporation PCL. "With the COVID-19 pandemic, we are delighted to strengthen our ties with our neighboring communities by extending our unwavering support. WHA Group is fully committed to giving back to society, and this is the perfect time to demonstrate it."



Filling Community Pantries in Different Villages

As the COVID-19 pandemic continues to contribute stressful situations both in the workplace and at home, WHA has persisted to look after the welfare of communities through CSR initiatives that bring relief, comfort and sustenance to the most vulnerable members.

For many months, the crisis has caused many workers to suffer pay cuts or to lose their jobs, threatening the well-being and security of their loved ones. WHA offers its assistance by connecting with its neighbors and offering aid to those going through challenging times.

WHA has donated bottled water, canned goods, dried noodles and other essential items to several community pantries, so that those who are heavily impacted by the COVID crisis will not go hungry.

Many households are suffering low food security, with some having to cut the frequency and quality of their meals.

Among the places where WHA has made these donations intended for the community pantries were the administrative offices of Pluak Daeng in Rayong and Si Racha in Chonburi.



A Greener, Safer Community

WHA teams were also busy with tree-planting projects in different districts and villages to improve environmental conditions in a sustainable manner. In Ban Khai and Pluak Daeng, villagers and officials joined hands to plant vetiver grass which is reported to be effective for treating wastewater because of its ability to absorb pollutants and trap debris and sediments. Its unique characteristics make it tolerant to extreme soil conditions, making it able to survive where other plants cannot.

To celebrate the birthday of Her Majesty Queen Suthida, tong urai trees were planted in Ban Khai district to protect and improve the environment and to give the public a beautiful place for repose and recreation. The same trees were planted in Pluak Daeng, chosen for their colorful yellow flowers that bloom all year round.

In Si Racha, WHA also initiated a clean-up campaign and a refurbishment of the workout equipment to provide clean and healthy surroundings for everyday life.

In the Ban Khai District Office, WHA sponsored the installation of a Wi-Fi network so residents and visitors can access the internet for free.



“ WHA Group continues to help the community during these challenging times when many are still suffering from the economic impact of COVID-19. We will continue to take action and to assist local organizations. ”
- Ms. Siyaphas Chantachairoj, Director - Corporate Marketing of WHA Corporation PCL

“At the same time, we also look after the well-being of our neighbors by taking care of the environment, in order to raise awareness and ensure that the quality of life will not be compromised.”

Supporting Local front Liners and First Responders

The company handed over 1,000 Personal Protective Equipment (PPE) suits to Ramathibodi Hospital to be distributed to hospitals nationwide. In addition, over 5,000 KN-95 masks were also given to various provincial health administrations and hospitals across the country to ensure that medical staff members are properly protected from catching the virus. A substantial amount of money also went to help and feed front liners who bravely and selflessly performed their duties.



Helping the Community Observe Health and Safety Protocols

WHA teams were also busy distributing KN-95 masks and hand sanitizers to Pluakdaeng Hospital in Rayong, the Pattaya Administrative Office and other public institutions in the Eastern Economic Corridor. They also went to Maenamkoo district in Rayong to provide support for the manufacture of masks for monks and villagers.

Since the start of the outbreak, the company has been distributing hand sanitizers to 65 local schools, as well as hospitals, healthcare centers and provincial administrative offices. In addition to this donation, WHA executives and staff also reached out to schools and child development centers to promote personal hygiene and health awareness through interactive games to keep students safe as schools reopen.

Food donations, consisting of nutritious food packs and freshly-cooked meals were also arranged through a giving back program called *We Care for Nong Kae* for the province of Saraburi to relieve the impact of COVID-19 on vulnerable residents of the nearby communities.

"WHA Group's response to this pandemic is to support the people in the country who have been most challenged and affected. We also focus on promoting health and safety measures in schools," said Ms. Siyaphas Chantachairoj, Director of Corporate Marketing, WHA Corporation PCL. "In line with our CSR mission, our well-targeted initiatives to help society in general, and our communities in particular, will continue as long as needed. We are guided by our corporate commitment and a true spirit of caring and sharing in times of difficulty."

WHA Group is extremely proud of and grateful to the country's healthcare and medical professionals who stepped up in the fight against the coronavirus. It is also honored to join all those who have, in one way or another, demonstrated deep compassion and have contributed meaningfully to help one another during this time of need.



WHA Group Continues Ongoing CSR Support for Green and Clean Initiatives

Through its various CSR initiatives, WHA Group continues to address a range of social and environmental issues affecting the happiness and well-being of residents in neighboring communities. During the month of August, the CSR team was busy responding to various needs through activities and donations to encourage social interaction and help uplift the community.

Green efforts

Just in time for Mother's Day, WHA Industrial Development participated in a reforestation project with community volunteers to plant 200 saplings of indigenous trees such as afzelia xylocarpa, lamduan, and mahogany at a tropical forest in Bo Win sub-district. Students of Ban Khao Hin School in Chonburi were invited so they could learn the importance of trees to the ecosystem and the impact of climate change on daily life. Aside from offering shade, healthy trees provide oxygen and minimize carbon in the air, while providing food and shelter for wildlife, and maintaining favorable water and soil conditions.



Another activity on the green agenda was teaching children about recycling and practicing an environmentally-friendly lifestyle. The WHA team delivered color-coded trash bins to the Ban Phan Sadet Nok School in Sri Racha, Chonburi, and explained to the students the concept of sorting and recycling to keep our planet clean. The young students participated in interesting discussions on how to sort waste materials and listened to suggestions and tips concerning waste reduction and reuse. Sharing the importance of doing good deeds for nature and the environment can start at a very young age.

Health is wealth

With the opening of classes for the new school year, another CSR project that is helping community members is the distribution of alcohol and sanitary face masks to protect schoolchildren from the spread of the COVID-19 virus. The team visited elementary schools such as Chumchon Borisat Namtal Tawanaok School in Rayong's Pluak Daeng, and explained the correct use of masks and gels and the importance of observing strict health protocols.



WHA also delivered touch-free hand sanitizer dispensers to Ban Khao Hin School (Nikorn Rat Bamrung) in Sri Racha District and Ban Khlong Krum School in Pluak Daeng district. These dispensers supply a premeasured amount to help prevent waste and are placed in high-traffic areas to remind the children to sanitize their hands frequently.

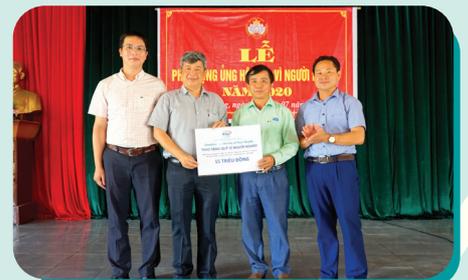
"We try to engage our community members so they can live healthier, happier and better lives," said Ms. Siyaphas Chantachairoj, Director – Corporate Marketing, WHA Corporation PCL. "We listen to their needs and create activities for community-building. Our CSR activities are practical and socially-relevant, and at the same time, educational. Our aim is to give back to society through a diverse range of proactive initiatives, and to maintain clear and open communication with the community."

WHA Donates Computer for Studying



As part of its CSR activities for 2020, WHA Industrial Zone Nghe An Joint Stock Company recently donated a computer to Nhan Hoa parish, in Nghi Loc district, Nghe An province. Joseph Ha Van Toan, Chairman of the Nhan Hoa Parish's Pastoral Council (3rd left) and Mr. Le Thanh Hai, Chairman of Nghi Thuan Commune PPC (2nd right) and representatives of Nghi Thuan commune PPC received the computer from WHA Industrial Zone Nghe An Joint Stock Company. Mr. Kampol Noramat, Senior Site Manager of WHA Industrial Zone 1 – Nghe An (3rd right), hopes that this contribution will give students and parishioners access to modern technology that can provide knowledge and unlimited information.

WHA Presents Donation for Nghi Hung Commune

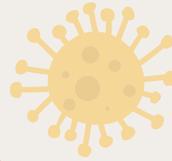


WHA Industrial Zone Nghe An JSC recently presented a 15 million VND donation to the Fatherland Front Committee of Nghi Hung commune in Nghi Loc district, Nghe An province in Vietnam. Together with other generous organizations, WHA plays an active role in helping disadvantaged families in the commune through meaningful social activities. Representatives of WHA Industrial Zone Nghe An JSC expressed the company's commitment to contribute to the overall development of the Nghi Hung commune.

The Guide to a Safe Workplace



COVID-19 has changed the world as we knew it. This time last year, who would believe that the world would almost come to a complete stop for months? We had never heard of the word 'social-distance' but within a matter of weeks, virtually everyone in the world knows it. We are now living the 'new normal' - more personal space in public, everyone is wearing a mask, etc. What COVID-19 done is make us more aware of our personal hygiene.



Everywhere in the world, the whole situation has turned the spotlight on cleaning operatives. This once-invisible workforce was seen as a 'necessary cost' but as society begins to understand the importance of frequent intensive cleaning, there have been calls for cleaning operatives to be regarded as 'key workers'. Now is the high time to realise that infection prevention should not end with the pandemic: a rigorous cleaning regime is vital if we are to minimise the impact of future outbreaks.

This leads to an important question:

How can we continue to play our part in keeping your workforce, your customers, and the public safe?



The Safe Workplace Guide

In order to make sure that everyone is safe from COVID-19, and as one of the leading cleaning solutions providers, PCS has developed cleaning measures to combat the virus in various environments such as commercial offices, industrial facilities and other public spaces.

This guide focuses on preparing the workplace, preparing and maintaining workplace hygiene. With all the hardwork that everyone has put into preventing the spread of the disease, it is important that organisations prepare and maintain workplace hygiene to protect employees and customers.

Here is a checklist that we recommend for cleaning activities to provide and maintain a safe environment.



Checklist for Cleaning to Maintain a Safe Environment

No.	Recommendation	Description	Pre	Post
1	Increase cleaning regimes	Cleaning regimes should be increased to make premises safe for occupation and maintain the level of cleanliness.		😊
2	Change cleaning delivery times	Cleaning regimes are often pushed to the beginning and end of the day, but cleaning needs to be continuous to maintain high standards of hygiene. Visible cleaning teams throughout the day provide a reassuring sign of a safe work environment and can focus their efforts on areas of high footfall where risks of infection are greater.		😊
3	Perform advanced disinfection of workplace and high use areas	Introduce and maintain advanced cleaning and disinfection regimes, disinfection of high-touch points and surfaces throughout the working day.	😊	😊
4	Check all cleaning equipment	Check cleaning chemicals, approved disinfectant, PPE and cleaning equipment up to standard.	😊	😊
5	Check stocks of consumables and cleaning materials	Ensure you have adequate stock of consumables and cleaning materials including toilet paper issues, waste bags, paper towels, cleaning chemicals, clothes, hand soap, alcohol-based hand sanitizer and wipes containing at least 70 percent alcohol disinfectants and disinfectants and disposal towels for employees to clean their work surfaces and also for all common areas.	😊	😊
6	Review protocols and approach for disposal of potentially contaminated waste	Develop new protocols for collecting and disposing of large quantities of potentially contaminated waste including tissues and PPE. Consider separate non-touch receptacles for disposal of these items.	😊	😊
7	Clean and disinfect high use areas such as washrooms, breakrooms and kitchenettes	Clean and disinfect all surfaces and appliance within the area including high touch areas (fixtures, light switches, appliance handles and buttons)	😊	😊
8	Review cleaning of washroom ventilation systems	Cleaning and disinfecting ventilation grills and diffusers should be added to the daily cleaning regime where it is safe to do so. This will help prevent contaminants from entering the ventilation system.	😊	😊
9	Provide employees with cleaning equipment	Consider providing employees with basic cleaning consumables to allow them to wipe down their desk and equipment throughout the day. This would be in addition to the regular cleaning regimes.	😊	😊
10	Investigate innovative and technology led cleaning solutions	Some of the latest technology and innovation to help provide reassurance for all employees include fogging machines, UVC robots ride on disinfectant machines. These items can be used for routine deep cleans for ongoing peace of mind.	😊	😊

No one can tell when this epidemic will end. What it has shown though, makes us realise that we cannot compromise our hygiene standards and those standards need to be maintained for the foreseeable future. The cost is too high should the world see another huge surge in the number of coronavirus infections as we saw in the beginning of 2020. There is a saying that goes **"Prevention is better than a cure"** and this has proved time and time again to be true. We hope this guide will provide useful guidance in how to make the workplace safer and reduce risks of infection.



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2020 Training Program

WHA Training Center, Eastern Seaboard Industrial Estate (Rayong)
June-December 2020

No.	Course	Date	Time	"Course/ person (Baht)"	Jun 20	Jul 20	Aug 20	Sep 20	Oct 20	Nov 20	Dec 20
1	Operation Technique of Forklift Truck	1	9:00-16:00	1,800	Fri 19	Fri 24	Fri 21	Fri 25	Fri 16	Fri 20	Fri 18
2	Health, Safety and Working Environment Committee	2	9:00-16:00	2,200		Tue-Wed 14-15		Tue-Wed 22-23		Tue-Wed 17-18	
3	Safety Officer : Supervisor Level	2	9:00-16:00	2,200	Tue-Wed 16-17		Tue-Wed 18-19		Tue-Wed 20-21		Tue-Wed 15-16
4	Safety Officer : Management Level	2	9:00-16:00	2,500						Tue-Wed 10-11	
5	Welfare Committee in the Workplace	1	9:00-16:00	2,200			Fri 7				
6	Accident Investigation Report Technique	1	9:00-16:00	2,200					Fri 9		
7	First Aid & CPR Course	1	9:00-16:00	1,600	Tue 9			Tue 15			Tue 1
8	Writing training course techniques to request a course certification and expense approval according to skill development promotion ACT B.E.2545	1/2	13:00-16:00	1,200		Sat 18					
9	Staff Activity Techniques for HR	1	9:00-16:00	2,200				Wed 16			
10	Google forms for smart HR	1	9:00-16:00	2,200			Sat 22				
11	Creating videos on mobile phone	1	9:00-16:00	2,200	Sat 13			Sat 19			
12	Defensive Driving	1	9:00-16:00	2,200				Tue 1			
13	Service mind for maid	1	9:00-16:00	2,200		Wed 1					
14	Leadership Development	1	9:00-16:00	2,200		Fri 17					
15	7 Supervisor Skills	1	9:00-16:00	2,200					Tue 6		
16	Excellent Supervisor	1	9:00-16:00	2,200	Tue 23						Wed 2
17	Excellent Arts of Supervisory Skills	1	9:00-16:00	2,200				Fri 11			
18	E.Q. for Great Supervisors	1	9:00-16:00	2,200			Tue 25				
19	Positive thinking for Supervisors	1	9:00-16:00	2,200						Fri 6	
20	Communication Skills for Leaders	1	9:00-16:30	2,200			Thu 6				
21	Leadership for Leaders	1	9:00-16:30	2,200					Tue 27		
22	Train the trainer	1	9:00-16:30	2,200	Fri 12					Fri 13	
23	Microsoft Excel 2016 : Basic level	1	9:00-16:00	2,200		Thu 16					
24	Microsoft Excel 2016 : Intermediate level	1	9:00-16:00	2,200			Thu 20				
25	Microsoft Excel 2016 : Advanced level	1	9:00-16:00	2,200				Thu 17			
26	Microsoft PowerPoint 2016 : Intermediate-Advanced	1	9:00-16:00	2,200					Thu 15		
27	Microsoft Word 2016 : Intermediate-Advanced	1	9:00-16:30	2,200						Thu 19	

- For more information, please contact Khun Wanna at WHA Training Center Tel: 0 3301 7224-6 Fax: 0 3301 7223 E-mail : wannaw@wha-group.com
- Discount 10% for WHA Customer.
- Prices include handouts, coffee break and/or lunch but excludes VAT.
- This is withholding tax of 3% deductible.
- Please reserve the course 2 weeks in advance.
- Date and time is subjected to change, please call to confirm.

Other Training Programs

WHA Training Center, Eastern Seaboard Industrial Estate (Rayong)
June-December 2020

No.	Course	Date	Time	Jun 20	Jul 20	Aug 20	Sep 20	Oct 20	Nov 20	Dec 20
1	TOEIC Test at ESIE	1	9:00-12:00 13:00-16:30			Thu 27		Thu 1		Thu 3

For more information or reservation of TOEIC Test, please contact CPA Tel: 0 2260 7061 / 0 2259 3990



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