

AI TECHNOLOGY IN COVID-19

Group CEO Talk
2021 : A year of hope

**WHA Bringing Better Healthcare
through Digital Technology**



PTT, WHAUP and Sertis develop
Smart Energy Platform
through AI and Blockchain technology

WHAUP, a Prime Mover in
Solar Energy Service
for Thailand's Growing Industrial Sector

Continental Tyres (Thailand) Co., Ltd.
**Bright Future Ahead for the Greenfield
Factory at WHA ESIE 4**

Toyota Tsusho (Thailand) Co., Ltd. and TT Techno Park
**Working closely with customers
to accelerate business efficiency**

Harvest Precision (Thailand) Co., Ltd.
**WHA Ready-Built-Factories' Flexibility and
Readiness Facilitate Business Expansion**

Table of Contents

Group CEO Talk	3
Highlights	4
Customer Showcase	9
Newscast WHA Group	12
Customer News	15
Vietnam Corner	18
CSR News	19
Social Outreach Initiative	20
From The Club	22

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GROUP CEO TALK

2021: A YEAR OF HOPE

2020 was a challenging year for the world, with COVID-19 disrupting lives, causing a global economic downturn as severe as the Great Depression, and rendering us anxious of a new wave that threatens to engulf us. But despite all that, we need to look forward with hope. As we enter a new era, I foresee some positive factors that can improve the global situation and make 2021 better:

1. The development and distribution of vaccines

Vaccines will play a vital role in restoring confidence and rebooting the world economy in 2021. Clinical trials from the three leading producers have proven them safe and efficient against COVID-19, and the rollout plans have started in many countries. The first half of 2021 has seen many people vaccinated, across developed and developing countries, and this will only increase as the year goes on. The success of this vaccine will help bring back normalcy to people's lives and allow businesses to resume, after the deadly virus wreaked havoc around the globe.

2. Measures to stimulate the global economy

Central banks across the world continue to maintain relaxed monetary policies and keep interest rates low. Many European countries and Japan are adopting the same approach, with governments extending measures and introducing more stimulus packages. These will be beneficial for commercial activity and stimulate economies around the world to adjust to the changing circumstances of the past year and a half.

3. Navigation of a new relationship between the US and China

The inauguration of US President Joe Biden in early 2021 provides a new opportunity for the US and China as they balance competition and cooperation. Easing tensions from the previous US-China trade and tech wars will benefit the global economy, financial

markets and industrial sectors, and reduce strong confrontations between the two superpowers. Both countries are discussing their options in business and free trade, hopefully giving rise once again to multilateral agreements and more international cooperation.

4. Accelerating the use of digital technology

Technology has played a vital role in helping countries, organizations, and individuals cope during the COVID-19 pandemic. We have had to adjust our ways in the new normal, discovering efficient and productive ways to improve life and work. Online conferences, for example, reduce travel time; automated technology increase productivity and enhance and service procedures; the growth of e-commerce and telemedicine businesses, and so on.

Although it will take time to heal wounds caused by losses, I believe that the second half of 2021 is still full of hope and opportunities. Finally, I would like to encourage everyone to keep moving forward, to stay strong physically and mentally, so we can overcome obstacles and challenges and keep achieving our goals.

Ms. Jareeporn Jarukornsakul
Chairman and Group CEO
WHA Corporation PCL



HIGHLIGHTS

WHA Enhances Efforts to Bring Better Healthcare to Communities through Digital Technology



Digital expansion to help WHA break new ground in Thailand's industrial scene

WHA Corporation PCL (WHA Group), Thailand's leader in fully-integrated logistics and industrial facilities solutions, is expanding its support for healthcare by promoting digital health technology.

When the world went into lockdown to stop the spread of COVID-19, lives were drastically changed. People quickly adapted to technology to maintain stability, as they continued to work, study, do business and stay in contact with others. The healthcare industry was also impacted, with more patients seeking healthcare from home, less medical staff available, supply shortages, difficulties sharing data and other inconveniences. Thanks to digital advances in the past years, telemedicine, artificial intelligence (AI)-enabled devices, and data sharing through blockchain technology became possible, providing quicker, more efficient

services, while reducing human error and lowering costs.

A staunch supporter of smart technologies for improving Thailand's industrial sector, WHA Group has been investing more resources to support startups. Earlier this year, TusPark WHA was created: Thailand's first innovation development and business incubator center, where startups in various industries are given support to grow their business. With her keen interest in innovation and technology specifically in the health sector, Ms. Jareeporn Jarukornsakul, WHA Group Chairman and CEO, recently supported Perceptra, a Thai startup developing an AI system to help doctors analyze X-ray images and assist with diagnosing diseases.

"We have seen how technology has changed industries over the years, and during this pandemic, we witnessed the critical role that digitalization plays in healthcare," she said. "As a member of several communities, WHA gives back to society in many ways to make a positive change."

“Providing healthcare through sustainable initiatives and the latest technology will ensure a healthy community, which is a driver for progress and growth.”

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



WHA is also cooperating with the Ministry of Public Health for the safe and orderly distribution of the COVID-19 vaccine. The company's 8 industrial estates are serving as inoculation centers for its customers and their employees, as well as all residents of the neighboring communities. "We are collaborating with local health officials in the country's race to vaccinate people and build herd immunity against COVID-19," said Mr. David Nardone, Group Executive Industrial and International, WHA Industrial Development PLC. "At our vaccination sites, we will be able to accommodate people of all ages, and all levels of mobility. Our aim is to help deliver the vaccines to all, especially those who may not have ready access to computers or transportation, in order to create a healthier and safer world for everyone."

PTT, WHAUP together with Sertis develop Smart Energy Platform for energy management through AI and Blockchain technology



Mr. Noppadol Pinsupa (center), Senior Executive Vice President, Innovation and Digital, PTT Public Company Limited, Ms. Jareeporn Jarukornsakul (3rd left), Chairman and Group CEO, WHA Corporation PCL and Chairman of the Board of Directors, WHA Utilities and Power PLC, and Mr. Tachakorn Vachiramom (3rd right), CEO of Sertis, recently signed a Memorandum of Understanding (MOU) on Smart Energy Platform.

Under this MOU, Sertis jointly developed a platform to optimize electricity management using AI and blockchain technology to sell solar energy within WHA Group's industrial estates. This platform will allow transactions to be decentralized and processed automatically without being controlled by any single party, making data management and transactions more secure and transparent between each of the buildings in the industrial estates. This collaboration was selected as part of the Energy Regulatory Commission Sandbox (ERC Sandbox) program run by the Energy Regulatory Commission of Thailand and Provincial Electricity Authority (PEA), under a microgrid electricity management system. The Smart Energy Platform developed between PTT, WHAUP and Sertis will help make alternative energy management more efficient and will result in better energy stability.

WHAUP Continues to Expand Solar Energy Business, On Target to Reach 670 MW for 2021

WHA Utilities and Power Public Company Limited (WHAUP) is fully geared up towards solar power investment projects. The company recently won a contract to install a solar farm at Banpong Tapioca Flour Industrial Co., Ltd. (BTF) on a 20-rai plot of land, with a power-generation capacity of 2.32 megawatts (MW). Located in Rachaburi province, this project is expected to save the company approximately THB 206 million in energy costs over a period of 25 years, and will be ready for commercial operations by February 2022.

WHAUP is confident of reaching its target of 670 MW for electricity-generation capacity, up from 590 MW last year, based on WHAUP's shareholding equity. The company has set its 2021 target to install solar rooftops for an additional 40 MW, from the current 61 MW already installed. Commercial operations (COD) will start gradually with approximately 22 MW.

Dr. Nippon Bundechanan, Chief Executive Officer of WHAUP, reveals that the company will continue to focus on business growth inside and outside industrial estates in Thailand and Vietnam, along with the development of innovative solutions for renewable energy, such as solar power generation projects: solar rooftops, solar carparks,



floating solar and ground-mounted solar farms, as well as constantly providing new utilities to target customers. WHAUP has an expansion plan to continue installing solar energy solutions for leading customers. This includes the installation of a solar farm and a solar floating system for Wisewoods Co., Ltd., with a total power generation capacity of 4.99 MW, solar rooftops for Auto Alliance (Thailand) Co., Ltd. (5 MW), solar rooftops for Asno Horie (Thailand) Co., Ltd. (3.06 MW), and solar carparks for SAIC Motor-CP Co., Ltd. (4.88 MW), the largest solar carpark in Thailand.

Due to its experience, highest engineering and safety standards, expertise and track records, WHAUP has demonstrated its readiness to be the leader in fully-integrated utilities and energy in the ASEAN region.

WHAUP, A PRIME MOVER IN SO THAILAND'S GROWING INDU

Thailand's number one provider and operator of solar power systems on factory rooftops attracts more and more green investors to protect the environment.

Today, a growing number of companies in Thailand in general, and within the Eastern Economic Corridor (EEC) in particular, are more conscious of their environmental profile and are looking at renewable energy alternatives.

One of those substitutes is solar energy. In a country blessed with large amounts of sunlight, solar energy is a logical and viable option that has been growing in popularity over the past few years.



WHA Group, a driving force in the development of solar energy in Thailand's industrial scene

After installing and operating solar systems on the rooftops of its own warehouses and factories, WHA Group, through its SET-listed subsidiary WHA Utilities and Power PLC (WHAUP), started to propose similar systems to its industrial customers, such as solar rooftops on factory buildings, car park rooftops and floating solar farms. To date, the company has signed up solar energy deals for over 50 factories, representing a total capacity of 65 MW. This places the company in the leading position for solar power in the industrial sector.

"More and more factories are leaning towards clean fuel," said Dr. Niphon Bundechanan, WHAUP Chief Executive Officer. "Solar power is 100% clean and reduces dependence on oil, coal and natural gas, which affect global warming. Industries are owning up to their responsibility by implementing efforts to reduce emissions that affect the quality of air, water and soil. We have earned our reputation as a credible long-term service provider, thanks to our experience using the highest engineering and safety standards, a good understanding of industrial customers' requirements, familiarity with the license processing, and our ability to deliver tailor-made solutions that can suit a factory's distinctive features."

In October 2020, WHAUP delivered Thailand's largest solar car park to SAIC MOTOR-CP Co's MG Manufacturing Plant, with a capacity of 4.8 MW generated by solar rooftops covering 31,000 square meters. More recently, operations started at another major client facility highly notable for its 3-in-1 solar system, comprising a floating solar system on the factory's water pond, solar rooftop system on its factory buildings as well as its solar car park, with combined installed capacity of 4.2 MW.



SOLAR ENERGY SERVICE FOR INDUSTRIAL SECTOR

In early March this year, WHAUP signed a Memorandum of Understanding with other partners in the public and private sectors to develop a 'Smart Energy Platform' using Artificial Intelligence (AI) and Blockchain technology to optimize energy management and sell solar energy within WHA Group's industrial estates.

Solar-generated electricity has become cheaper than electricity from the grid, allowing WHAUP customers not only to improve their environmental profiles but also to lower their operating costs. Usually, factories have large daytime electricity consumption. Power from solar rooftops can replace as much as 50% or more of grid electricity during daytime, during which the cost of grid electricity is higher. In addition, solar panels help to substantially decrease heat transfer through the roof during daytime, contributing to lower air-conditioning needs and further cutting down energy bills.

Easy installation and low maintenance

Solar rooftops are fast and simple to set up. Actual installation can be completed within 6 to 8 weeks (exclusive of permitting time). There is no adjustment required on factories' existing load or electrical system. Solar-generated power simply blends in with power supply from the grid, with no reliability effect or need for battery storage.

With no combustion or moving parts in the power generating process, solar systems are safe, low maintenance and durable. Most solar photovoltaic (PV) manufacturers today offer a 25-30 year performance warranty. Routine cleaning of panels and through system inspections ensure optimum performance and longevity.

WHAUP offers end-to-end service packages to its customers, who can benefit from cheaper electricity without having to invest or engage in maintenance costs. By installing solar rooftop panels on industrial and commercial buildings, companies can take advantage of their large roof areas to generate electricity from sunlight.

WHAUP's solar rooftop service package, including design, permitting, installation, operations and maintenance, is based on a long-term private Power Purchase Agreement (Private PPA) scheme. With zero investment and maintenance costs, businesses can instantly become part of the green energy cycle and lower their impact on the environment.

Among the industries that are now benefiting from WHAUP's unique expertise on solar rooftop projects are automotive, agrobusiness, construction, consumer products, medical, with many more currently considering to follow suit.

WHAUP Solar. For free consultation on Solar Rooftop installation, please contact 061-394-2111 or solarroof@wha-up.com



WHAUP Continues to Expand Solar Energy Business, On Target to Reach 670 MW for 2021

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WHAUP has an expansion plan to continue installing solar energy solutions for leading customers. This includes the installation of a solar farm and a solar floating system for Wisewoods Co., Ltd., with a total power generation capacity of 4.99 MW, solar rooftops for Auto Alliance (Thailand) Co., Ltd. (5 MW), solar rooftops for Asno Horie (Thailand) Co., Ltd. (3.06 MW), and solar carparks for SAIC Motor-CP Co., Ltd. (4.88 MW), the largest solar carpark in Thailand.

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CUSTOMER SHOWCASE

Continental Tyres (Thailand) Co., Ltd.

Bright Future Ahead for the Greenfield Factory at WHA ESIE 4, Equipped with WHAUP Solar Energy Systems



Continental Tyres' Greenfield Rayong plant is one of 22 production units worldwide under the 'Rubber Technologies' sector of Continental Group. Present in 17 countries, Continental's Tire Business Area employed nearly 57,000 people and recorded sales of EUR 11.7 billion in 2019.

Located at WHA Eastern Seaboard Industrial Estate 4 (WHA ESIE 4), in Pluak Daeng District, Rayong province, the plant occupies a 470-rai plot (750,000 sqm). With a workforce of 700 people, the Greenfield factory manufactures tires for passenger cars and light trucks. Following the start of operations two years ago, it produces 1.85 million tires annually and expects to reach a capacity of 4.2 million tires by 2025. In July this year, the facility will start manufacturing motorcycle tires, with an additional 100 people.

As WHA ESIE 4's first occupant, Continental Tyres selected its location according to specific and strict requirements in terms of plot size, easy access, modern infrastructure, reliable electricity and water supply, as well as the availability of a skilled workforce. Another important prerequisite was its proximity to its customers in Thailand and to its key markets in the Asia-Pacific region.

"Since Day 1, the WHA Industrial Development team has not just been a supplier for us, but a reliable partner that has constantly supported us in terms of regulations and general advice," explains Mr. Vignesh Devasenapathy, Continental Tyres (Thailand) Plant Manager.

To develop the knowledge and expertise of its employees, Continental Tyres (Thailand) has set up a 2-year vocational program called Work Integrated Learning Program (WiL) with Rayong Technical College, for high vocational degrees, and Chulalongkorn University, for master's degrees. In 2020, the company also organized CSR activities focusing primarily on safety in schools and on roads.

Continental Tyres also signed an agreement with WHA Utilities and Power (WHAUP) for the installation of four types of solar energy systems, representing a total capacity of 4.2 MW. Solar roof panels have been installed on two factory buildings and on the car park, plus a floating solar farm on a 7,000 sq.m. pond. These systems started operations in February 2021. "In our industry, energy efficiency is a key element. Solar energy will represent over 20% of our power consumption and will enable us to significantly reduce our production costs," concluded Mr. Vignesh, who looks forward to the promising outlook of the 3-year old production facility.

Continental's Greenfield Tyre Plant in Rayong province is the company's most environmentally-friendly facility worldwide. One of the largest tenants in WHA industrial estates in Thailand, Continental has brought to Thailand over 140 years of tire manufacturing know-how as well as the most advanced technologies.



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Toyota Tsusho (Thailand) Co., Ltd. and TT Techno Park

Working closely with customers to accelerate business efficiency



Toyota Tsusho, the general trading company of Toyota Group, was first established in Thailand in January 1957 to import consumer goods, industrial machinery and vehicle wheels from Japan. Almost a half-century later in 2002, TT Techno-Park (TTTP) was created to support its customers, from the very beginning of launching their business through to operation of the business as a whole.

In addition to providing a one-stop service for the logistics, facilities, insurance, IT and other services and functions required for preparing manufacturing and production, TTTP also offers outsourced administrative and accounting services (payroll, visa and work permit acquisition, bookkeeping accounting and tax returns, commuting bus and forklift truck arrangements), all of which are essential to business operations.

“We provide such a wide range of solutions by thoroughly practicing our field-oriented policy,” explained Mr. Takayuki Tatsuta, TTTP’s general manager and branch manager of the Eastern Seaboard of Toyota Tsusho (Thailand).

“It’s an on-site, hands-on, in-touch approach. This means we contact our customers every day, listen to their problems, and concentrate on providing solutions. I think this is what sets us apart from other trading companies,” he emphasized.

In 2015, Toyota Tsusho (Thailand) opened another branch office in Chonburi to help and work together with TTTP to support its customers. “We chose WHA Eastern Seaboard Industrial Estate 1 (WHA ESIE 1) as our relocation site,” said Mr. Tatsuta, “because of its large scale, reliable development plan and high-quality

infrastructure, as well as its proximity to Sriracha, where there are many Japanese residents.”

While focusing on the automotive-related manufacturing industries, in terms of future business development, the company also plans to support industries such as plastics, detergents, petroleum products, semiconductors and insurance. Additionally, they are committed to improving the quality of services offered in digital transformation (DX), such as MaaS (Mobility as a Service), a new concept in mobility, and CASE (Connected, Autonomous, Shared, Electrified) in the automotive industry.

One example of a DX-related service is the improvement made in commuter bus operations. TTTP proposes to use robotic process automation (RPA), one of the DX methods, to optimize routes and vehicle types (large buses, minibuses, vans) according to the time of day. By sharing buses running on the same route to achieve 50–80% ridership, it is possible to reduce costs by 20–30%, alongside reducing CO2 emissions through fewer buses in service.

TTTP strives to provide the best solutions for their clients and Mr. Tatsuta points out that face-to-face communication is vital for business. Due to COVID-19, this was at times more challenging, but their goal remains clear: to help create business environments where customers are able to concentrate on their own business, and to contribute towards the business development of clients, whose needs are becoming more diverse.



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Harvest Precision (Thailand) Co., Ltd.

WHA Ready-Built-Factories' Flexibility and Readiness Facilitate Business Expansion



Established in May 1999 in Johor Bahru, Malaysia, Harvest Precision Industries SDN BHD specializes in the design and manufacture of metal stamping parts and precision tool spare parts. The company supplies two principal industries: electronics (65%) and automotive (35%). Its products are widely used for digital cameras, copiers, mobile phones, and car audio and information systems.

In 2012, Harvest Precision decided to set up a production facility at WHA Saraburi Industrial Land (WHA SIL), to get closer to an existing customer. Encouraged by incentives from the Board of Investment (BOI), Harvest Precision rented a Ready-Built-Factory (RBF) on 1,224 sq.m. from WHA. Just seven years later, when the Saraburi plant reached full capacity, the company opted to rent a 1,152 sq.m. RBF facility at Eastern Seaboard Industrial Estate (Rayong) in Rayong to expand its customer reach.



"Thanks to the efficient support of the WHA team and the conveniences of the RBF, it took us only six months between the moment we made the decision to set up a second manufacturing unit and the start of operations," explains Mr. Christopher Ong, the Singaporean Managing Director of Harvest Precision (Thailand) Co., Ltd.

Today, with a team of 50 employees dispatched between its facilities in Saraburi and Rayong, Harvest Precision can supply its blue-chip international customers in electronics (Canon, Epson, Kenwood, Nikon, Ricoh, Sony) and the automotive sector (Denso, Ford, Honda, Isuzu, Nissan, Toyota).

Currently in the development of Phase 1 at its Rayong location, the company foresees further expansion in a couple of years. "WHA Industrial Estate offers the double advantage of flexibility and readiness, so we can prepare the future with serenity and confidence. Being in accessible and modern industrial estates with excellent infrastructure also helps us attract the high-skilled technicians and employees that our industry requires," adds Mr. Ong.



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NEWSCAST WHA GROUP

Brahma Spirit House Blessing Ceremony for WHA Tower, Bangna's Newest Business Landmark



Ms. Jareeporn Jarukornsakul, Chairman and Group CEO of WHA Corporation PCL, presided over the Brahma spirit house blessing ceremony at WHA Tower, its new headquarters along Bangna-Trad Rd KM.7, in the presence of other company executives. WHA Tower, Bangna's latest business landmark, is a 25-storey Grade A office building equipped with high-tech solutions and innovations. Last year, international design firm Palmer & Turner (Thailand) brought home the Commercial High Rise Architecture Thailand Award for its work of WHA Tower at the Asia Pacific Property Awards.

WHA Group provided warm welcome to top executives from Hitachi, CRC Thai Watsadu, Thai Kajima and partners who went to WHA Tower to relay their best wishes and visit Bangna's award-winning landmark. The 25-story tower offers 52,000 sq.m. of flexible office space and common open areas, as well as premium retail spaces, enabling people to combine work with leisure. A convenient gateway to the Eastern Economic Corridor (EEC) with close proximity to downtown Bangkok, Suvarnabhumi airport, Mega Bangna, Central Bangna, and the country's major ports, WHA Tower is now ready for occupancy.



Mr. Masanori Iwanaga, Managing Director at Hitachi Sales (Thailand), recently visited WHA Tower to pay a courtesy call and congratulate Ms. Jareeporn Jarukornsakul, Chairman and Group CEO of WHA Corporation PCL



Ms. Jareeporn graciously accepted a basket of flowers from Mr Suthisarn Chirathivat, CEO of CRC Thai Watsadu



Mr. Masanori Hamada, President of Thai Kajima, was given a visit of WHA Tower, now available for rent

WHA Saraburi Industrial Land Brings Home Green Industry Award



WHA Saraburi Industrial Land (WHA SIL), developed by WHA Industrial Development PLC, recently received Thailand's first Green Industry Award under the 100% Green Industrial Estate category from the Ministry of Industry. The recognition, presided by Mr. Panuwat Triyangkulsri (left photo, left), Deputy Permanent Secretary, Ministry of Industry, highlights the company's longstanding commitment to sustainable environmental business operations and reaffirms WHA's mission to continue building smart green industrial estates. Mr. Sunthorn Kongsunthornkitkul (left photo, right), Advisor and Mr. Rakphol Kangnoy (right photo, 2nd right), Director - Industrial Estate Operations, WHA Industrial Development PLC, represented the WHA team at the award ceremony.

WHA Group Welcomes Participants of the GMS Logistics Forum



WHA Group, led by Ms. Fasai Finch (front row, 3rd right), Senior Manager - Corporate Marketing, WHA Corporation PCL, gave a warm welcome to participants of the GMS Logistics Forum, recently organized by the Mekong Institute (MI) with support from the Thailand Convention and Exhibition Bureau. The business visit provided delegates from government, developmental organizations, transport and logistics companies, suppliers and manufacturers with an overview of the world-class operations, facilities and services provided by WHA industrial estates in the Eastern Economic Corridor (EEC).

WHA Group Co-hosts Webinar with True Business on Virtual and Augmented Reality for Manufacturing Industry



The graphic features the logos for WHA Industrial Development and True Business. The text reads: "WHA FREE WEBINAR Enhancing Reality in Production, QC and Safety with AR / VR". A circular portrait of Ms. Chanya Charitkul is shown, with her name and title: "Ms. Chanya Charitkul Marketing & Planning Manager True Corporation Public Co., Ltd.". The date and time are listed as "THU, 20 MAY 2021 9.20 - 11.00 HRS., by Vroom" and a note states "This webinar will be conducted in Thai."

WHA Group, together with True Business, recently co-hosted a free webinar *Enhancing Reality in Production, QC and Safety with AR/VR* to equip their industrial estate customers with up-to-date knowledge and the latest trends on augmented reality (AR) and virtual reality (VR). Guest speaker Ms. Chanya Charitkul, Marketing & Planning Manager from True Business, explained to the participants how this cutting-edge technology can be applied to day-to-day manufacturing tasks and overall operations in a safer, less time-consuming, and more efficient manner.

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CUSTOMER NEWS

Thai Ming Lighting Signs Double Deal with WHA Industrial Development for New Production Base in Rayong



Thai Ming Lighting Co., Ltd., under the WAC Group, a US-based professional lighting solution provider with more than 35 years of experience, recently signed a double agreement for the purchase of land and the lease of a ready-built-factory (RBF) at WHA Eastern Seaboard Industrial Estate 1 (WHA ESIE 1). Strategically located in Thailand's Eastern Economic Corridor (EEC), the new manufacturing facility, equipped with cutting edge technology, will help the company boost its production of high-quality, sustainable lighting solutions, while expanding its customer base in the region.

In the picture: Mr. David Nardone (center left), Group Executive Industrial and International, WHA Industrial Development PLC, signed the purchase and lease contracts with Mr. Tony Wang (center right), founder of Thai Ming Lighting Co., Ltd. Also present were Ms Ladda Rojanavilaivudh (3rd left), Vice President of Industrial Land and Building Customer Development, WHA Industrial Development PLC, Mr. Kevin Zheng (3rd right), President of Thai Ming Lighting, and other executives from the two companies.

Samsung Chemical Closes Land Deal to Build State-of-the-Art Facilities in WHA ESIE 1

Samsung Chemical Co., Ltd., plastic bottle cap manufacturers for the Home and Office Delivery (HOD) market, recently signed a purchase agreement for a plot of land at WHA Eastern Seaboard Industrial Estate 1 (WHA ESIE 1) in Rayong. This will be the future site of Samsung Chemical's state-of-the-art production facilities with a fully automatic assembly line that will enable it to maintain the high-quality standards of its products and fulfill the highest requirements of its clients across different countries.



In the picture: Mr. David Nardone (center), Group Executive Industrial and International, WHA Industrial Development PLC, signed the land purchase agreement with Mr. Jong Chun Kim (3rd left), Chief Financial Officer, Samsung Electronics Asia, in the presence of Mr. Vivat Jiratikarnsakul, (3rd right), Chief Operating Officer and Ms. Ladda Rojanavilaivudh, Vice President of Industrial Land and Building Customer Development, WHA Industrial Development, and other executives from both companies.

Tai Nitshin Autotech Signs Ready-Built-Factory Lease Deal with WHA Industrial Development



Tai Nitshin Autotech Co., Ltd., supplier and manufacturer of spare parts and automotive accessories, recently finalized a lease contract with WHA Industrial Development PLC for a ready-built-factory (RBF) at Eastern Seaboard Industrial Estate (Rayong). Equipped with the latest technology, the new manufacturing base will help the company boost its production and distribution capacity to meet rising client demand from various industries.

In the picture: Mr. David Nardone (center), Group Executive Industrial and International, WHA Industrial Development PLC, signed a lease agreement with Mr. Thossaporn Thimthaworn (4th right), Managing Director of Tai Nitshin Autotech Co., Ltd., in the presence of Ms. Ladda Rojanavilaivudh (4th left), Vice President of Industrial Land and Building Customer Development, WHA Industrial Development PLC, Mr. Hidenori Nozaki (3rd right), Vice President, Tai Nitshin Autotech Co., Ltd, and other executives from both companies, during the contract signing ceremony.

Spiber (Thailand) Opens State-of-the-Art Production Base in WHA Industrial Estate



Spiber (Thailand) Ltd., a subsidiary of Spiber Inc, Japan's leading biotechnology startup, recently held the grand opening ceremony for its new facility in Eastern Seaboard Industrial Estate (Rayong) in Rayong (ESIE). Using advanced technology, the plant is expected to be among the largest structural protein fermentation facilities in the world. In line with Spiber's mission to help create a more sustainable society, the state-of-the-art facility will also serve as a base for research and development (R&D) and a training center, to help improve production efficiency and reduce environmental impacts to other Spiber Group plants.

In the picture: Ms. Jareeporn Jarukornsakul (center), Chairman and Group CEO of WHA Corporation PCL, congratulates Mr. Keisuke Morita (3rd right), Managing Director of Spiber (Thailand) Ltd, in the presence of Mr. David Nardone (3rd left), Group Executive Industrial and International, Mr. Vivat Jiratikornsakul (2nd left), Chief Operating Officer, Industrial and International, WHA Industrial Development PLC, and other executives from both companies during the grand opening ceremony

Zhongfang Packing Inks Land Purchase Deal in WHA Eastern Seaboard Industrial Estate 2 for First Thailand Plant

Zhongfang Packing (Thailand), a subsidiary of China-based Zhonghui Packing Co., Ltd., recently held a contract signing ceremony for the purchase of land at WHA Eastern Seaboard Industrial Estate 2 (WHA ESIE 2) in Rayong, located in the Eastern Economic Corridor (EEC). Powered by innovative technology, the high-performance facility will produce a wide variety of flexible packaging products for cosmetics, food, medicines and other consumer goods, as well as industrial packaging materials, to strengthen the company's regional operations.

In the picture: Ms. Ladda Rojanavilavudh (center left), Vice President, Industrial Land and Building Customer Development, WHA Industrial Development PLC, and Mr. Wang Huan (center right), Director of ZhongFang Packing (Thailand) Co., Ltd., finalize the land purchase agreement in the presence of other company executives.



Grand Opening Ceremony for CPS Electronics in Eastern Seaboard Industrial Estate (Rayong)



CPS Electronics (Thailand), provider of smart energy solutions, recently held the grand opening ceremony of its new production plant located at Eastern Seaboard Industrial Estate (ESIE) in the EEC. Equipped with the latest technology, the Rayong facility will help the company increase its production capacity of innovative, high standard products and services to meet the heightened demand of its clients in the region.



WHA Industrial Estate



WHA Eastern Seaboard Industrial Estate



Eastern Economic Corridor (EEC) Special Promotion Zone

- Strategic Location for Automotive, High Technology, Aerospace, Consumer Products, and Other Industry
- Near Laem Chabang Deep Sea Port
- 10 KM. to Eastern Seaboard Industrial Estate (Rayong) and WHA Eastern Seaboard Industrial Estate 1
- 8 KM. to Highway 344



WHA Industrial Development PLC
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Email: marketing@wha-group.com

Revised Investment Registration Certificate Granted to WHA Industrial Zone 1 in Nghe An, Vietnam



WHA Industrial Zone 1 – Nghe An in Vietnam was granted the Revised Investment Registration Certificate for Phase 1 covering 498 hectares by the Nghe An Provincial People’s Committee during an official ceremony held recently in the presence of Nghe An and company officials. Accepting the certificate from Mr Nguyen Duc Trung, (center right), Chairman of Nghe An PPC and Mr. Le Ngoc Hoa (center left), Vice Chairman of Nghe An PPC, on behalf of WHA Group was Ms Nguyen Thi Bich Lien (center), General Director, WHA Industrial Zone Nghe An JSC. With a planned Phase 1 area of 498 hectares, WHA Industrial Zone 1 – Nghe An is one of the key projects of the province, representing a total investment of almost USD 100 million.

Vietnamese Ambassadors to European Union Visit WHA Industrial Zone 1 – Nghe An



Ms. Nguyen Thi Bich Lien, General Director (5th left), and other executives of WHA Industrial Zone Nghe An JSC, extended a warm welcome to the delegation of Vietnamese ambassadors to European Union countries during a visit to WHA Industrial Zone 1 – Nghe An. H.E. Nguyen Van Thao (5th right), Ambassador of Vietnam to Belgium, H.E. Nguyen Trung Kien (4th right), Ambassador to Austria and Slovenia, and H.E. Le Hong Truong (3rd right), Ambassador to Greece and Albania, toured the grounds and inspected WHA’s operations, infrastructure and advanced technology enabling it to offer world-class services to its customers. The diplomats expressed their full support and interest in connecting WHA with potential investors from Europe in the coming years.

WHA Vietnam Joins Online Investment Promotion with Taiwanese Businesses



Ms. Anchalee Prasertchand (1st lower left screen), Director - International Customer Development, WHA Industrial Development PLC, welcomed participants to *Investment Promotion Into Nghe An province – Taiwanese Market*. This online conference was organized for representatives of Taiwanese companies who are exploring investment opportunities in Vietnam, especially in Nghe An province. She gave an overview of WHA’s 35-year experience and expertise in industrial zone development and highlighted the company’s readiness to welcome investors from Taiwan. Phase 1 of WHA Industrial Zone in Nghe An, built according to international standards under the Smart Eco Industrial Zone Development Concept is now ready for investors.

JiangTai Vietnam Company Limited Closes Land Sublease Deal at WHA Industrial Zone 1 – Nghe An



JiangTai Vietnam Co., Ltd, a manufacturer of plastic products and a unit of technical analysis and testing, has signed a land sublease agreement with WHA Industrial Zone Nghe An JSC for a plot of land at WHA Industrial Zone 1 – Nghe An to build its new manufacturing facility. With a capacity of 10 million units per year, the plant will enable the company to answer the rising demand of its clients in various industrial sectors.

In the picture: Mr. Lee Jong Yoon (left), General Director of JiangTai Vietnam Company Limited, and Ms. Nguyen Kim Chi (right), Senior Customer Development Manager at WHA Industrial Management Services Co., Ltd, during the contract signing ceremony.

CSR NEWS

WHA supports construction of houses for relatives of Martyrs in Nghi Loc district



Inspired by the proverb *When you drink water, remember the source*, WHA Industrial Zone Nghe An JSC, recently paid tribute to martyrs from Nghi Long and Nghi Hung communes in Nghi Loc district, Nghe An province. In collaboration with the Martyr Families Support Association – Nghe An and Nghi Loc district officials, the company presented a donation amounting to VND 100 million to build homes for the families of two respected martyrs.



Mr. Pratuang Glaiglangdon, Senior Manager, Community Relations of WHA Industrial Zone Nghe An JSC, together with representatives of the Martyr Families Support Association – Nghe An, Nghi Loc district leaders, and the Chairman of Nghi Hung commune, handed over VND 50 million to help build a house for Mrs. Nguyen Thi Tinh, as an expression of gratitude.



On the same day, Mrs. Dinh Thi Hoa, widow of Martyr Hoang Van Thai and a resident of Kim Dien hamlet, Nghi Long commune, Nghi Loc district, also received VND 50 million to build a new family home.

In the pictures: Representatives participated in the groundbreaking ceremony for a new house for the family of Martyr Hoang Van Thai, in the presence of his widow, Mrs. Dinh Thi Hoa.

This meaningful tribute is an expression of respect and gratitude for those who have contributed to the revolution. Family members thanked district and commune leaders, the Martyr Families Support Association – Nghe An, and most especially, WHA Industrial Zone Nghe An JSC for providing material.

WHA GROUP'S MARCH CSR PROGRAM FOCUSES ON YOUTH AND COMMUNITY

One year after the World Health Organization declared the COVID-19 pandemic, people worldwide are continuing to move forward with their lives, adjusting to the sudden changes brought on by the situation and living under the "new normal".

In March, WHA Group continued its civic outreach with activities that touched on youth and the society, to strengthen the network of support that includes families, schools and neighborhoods. Taking the lead this month were WHA Industrial Development PLC (WHA ID) and WHA Utilities and Power PLC (WHAUP), that organized several activities for the benefit of community members.

PROMOTING EDUCATION

The role of young people is to be a part of society's development. Through education, they are given the tools to improve their lives and that of their families, so they can become productive citizens.

WHA ID and WHAUP donated a fund for educational development to a school in Bowin community, Sri Racha, Chonburi province. The company also handed out snacks and gifts to children living in different neighborhoods.

In collaboration with the Industrial Estate Authority of Thailand (IEAT) and industrial estate customers, WHA ID and WHAUP attended the 45th anniversary of Baan Khao Hin (Nikorn Rat Bamrung) School in Sri Racha, Chonburi.



With the aim to teach children good sportsmanship, the company supported a football competition WHA Nongbua Youth League 2021. Held at Nong Bua Sub District Administration's Stadium in Rayong's Ban Khai district, the sports event helps improve the students' mental and psychological health, while enabling them to learn first-hand the importance of teamwork.



BUILDING A STRONG CONNECTION WITH THE COMMUNITY

WHA ID and WHAUP, on behalf of WHA Group, also paid a courtesy call to the Registrar’s Office in Chonburi’s Sri Racha District and gave financial support to help maintain the office and provide better service for the residents. This enabled WHA representatives to meet with local officials.

The next stop was the Ban Bueng district’s Administrative Office, where the company gave funds to set up service points for members of the local community, and promote road safety as well as traffic awareness for accident prevention.

WHA also paid a visit to Rayong’s Ban Khai Police Station to provided computers as well as financial support to improve the landscape, enabling more efficient services for officers.

WHA ID and WHAUP then joined a cleanup campaign in Ban Bueng district, organized by local authorities to mark the death anniversary of King Rama 3. All participants volunteered to tidy the streets or sidewalks and pick up litter to keep the community orderly and safe for all residents.



FROM THE CLUB

WHA FREE WEBINAR

Innovation Advance Security System and Engineering Solution for Smart Factory
คืบหน้าออนไลน์ฟรี "นวัตกรรมระบบรักษาความปลอดภัยขั้นสูงและโซลูชันวิศวกรรมสำหรับโรงงานอัจฉริยะ"



Khun Nathawat Rucksawong
National Sales Manager
PCS



Khun Santhorn Boonto
Operation Manager
PCS



THU, 18TH MARCH

9:45 - 11:30 hrs.

พฤหัสบดี 18 มีนาคม 2564 เวลา 9:45 - 11:30 น.

WHA Industrial Development PLC recently hosted an insightful webinar entitled Innovation *Advanced Security System and Engineering Solutions for Smart Factory* for managers and supervisors from different companies in WHA industrial estates. Mr. Nathawat Rucksawong, National Sales Manager of PCS Security and Facility Services Limited, provided useful information on security trends to watch for in 2021, while Mr. Santhorn Boonto, Operation Manager - Engineering Service at PCS Security and Facility Services Limited, discussed engineering solutions for a smart factory. Participants listened to a comprehensive presentation on how to enhance security, efficiency and performance in their respective facilities.

PCS Security and Facility Services Limited is an international securities and facilities management company



TusPark WHA

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2021 Training Programs

WHA Training Center, Eastern Seaboard Industrial Estate (Rayong)
January-December 2021

No.	Course	Time	*Course/ person (Baht)*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	Operation Techniques of Forklift Truck	9:00-16:00	1,800	Fri, 22	Fri, 19	Fri, 26	Fri, 23	Fri, 21	Fri, 25	Fri, 23	Fri, 20	Fri, 24	Fri, 22	Fri, 19	Fri, 24
2	Health, Safety and Working Environment Committee	9:00-16:00	2,200	Tue-Wed 26-27		Tue-Wed 16-17		Tue-Wed 18-19		Tue-Wed 13-14		Tue-Wed 14-15		Tue-Wed 23-24	
3	Safety Officer : Supervisor Level	9:00-16:00	2,200		Tue-Wed 16-17		Tue-Wed 26-27		Tue-Wed 15-16		Tue-Wed 24-25		Tue-Wed 19-20		Tue-Wed 14-15
4	Safety Officer : Management Level	9:00-16:00	2,500						Wed-Thu 9-10					Tue-Wed 9-10	
5	Welfare Committee in the Workplace	9:00-16:00	2,200			Fri, 12						Fri, 10			
6	Accident Investigation Report Techniques	9:00-16:00	2,200					Fri, 7					Fri, 8		
7	General safety, health and environment in the workplace	9:00-16:00	2,200			Fri, 19						Fri, 3			
8	KYT (Kiken Yochi Training)	9:00-16:00	2,200					Fri, 28						Fri, 26	
9	Defensive Driving	9:00-16:00	2,200	Tue, 19						Tue, 20					
10	First Aid & CPR Course	9:00-16:00	1,600		Fri, 12			Fri, 14			Fri, 6			Fri, 5	
11	Writing training course techniques to request a course certification and expense approval according to skill development promotion ACT B.E.2545	9:00-16:00	2,200		Thu, 4						Fri, 27				
12	Staff Activity Techniques for HR	9:00-16:00	2,200			Thu, 4						Tue, 28			
13	7 Waste for cost reduction	9:00-16:00	2,200				Thu, 22						Thu, 28		
14	Proactive Working for Productivity Mindset	9:00-16:00	2,200					Thu, 13						Fri, 12	
15	Service mind for maid	9:00-16:00	2,200						Mon, 28						Fri, 17
16	Leadership Development	9:00-16:00	2,200	Thu, 28						Fri, 16					
17	7 Supervisor skills	9:00-16:00	2,200		Tue, 23						Tue, 17				
18	Excellent Supervisor	9:00-16:00	2,200			Tue, 23						Fri, 17			
19	Excellent Arts of Supervisory skills	9:00-16:00	2,200				Tue, 20						Tue, 5		
20	E.Q. for Great Supervisor	9:00-16:30	2,200					Mon, 10						Wed, 3	
21	Positive thinking for Supervisor	9:00-16:30	2,200						Fri, 18						Tue, 21
22	Communication skills for leaders	9:00-16:30	2,200		Tue, 9					Tue, 6					
23	Leadership for Leader	9:00-16:30	2,200			Tue, 9						Tue, 7			
24	Train the trainer	9:00-16:30	2,200					Tue, 11						Tue, 16	
25	Microsoft Excel 2016 : Basic Level	9:00-16:00	2,200	Thu, 21						Thu, 24					
26	Microsoft Excel 2016 : Intermediate Level	9:00-16:00	2,200		Thu, 8					Thu, 22				Thu, 18	
27	Microsoft Excel 2016 : Advanced Level	9:00-16:00	2,200			Thu, 25					Thu, 19				Thu, 23
28	Microsoft Power Point 2016 : Intermediate-Advanced	9:00-16:00	2,200				Thu, 22					Thu, 23			
29	Microsoft Word 2016 : Intermediate-Advanced	9:00-16:30	2,200					Thu, 20					Thu, 21		

- For more information, please contact WHA Training Center Tel: 092 690 9596, 089 099 7641
- Discount 10% for WHA Customers.
- 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.



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