

**HUTCHISON PORTS
THAILAND**

HOIST UP

2023

**HPT UNVEILS
AUTOMATED GATE
OPERATION SYSTEM**

Elevating Operations
with **Self-Service Excellence**



CONTENTS

02 MESSAGE FROM
THE MANAGING DIRECTOR

04 COVER STORY

HPT Unveils Automated
Gate Operation System,
Elevating Operations
with Self-Service Excellence



08 OUR PEOPLE

14 OUR BUSINESS

18 OUR ENVIRONMENT

20 GO GREEN 2024
INITIATIVES

It is with great pleasure that I welcome you all to the first online edition of our internal magazine, **HOIST UP**.

HOIST UP is the annual publication of Hutchison Ports Thailand showcasing employee and customer related activities, key milestones achieved in our port operations during the year and other corporate news.

Given the increasing importance of sustainable port operations globally, in this first online publication, we have grouped our news and events under our three main sustainability pillars namely Our People, Our Environment and Our Business.

OUR PEOPLE

.....are our strength. We are fully supportive of our colleagues' career aspirations and professional development plans, while ensuring that our teams are inclusive, diverse, and representative. We also engage in extensive activities supporting our local community.

The company always awards scholarships to the children of our employees to encourage and support their education. This year, for the first time since the end of the pandemic, we organized a Family Day for employees and their family members and arranged UNITY trips to outside institutions as part of the overall professional development programme for our employees. UNITY is our core value, is what we stand for and sums up our overall values as a global port network. It is the word that best describes who we are, how we operate and why we are industry leaders.

This year, we also continued to support our surrounding community by making donations to local hospitals, maintaining the academic cooperation with the Faculty of International Maritime Studies, Kasetsart University, Sriracha Campus and helping to make infrastructural and "green" improvements at a local school under our Group's Dock School programme.

OUR ENVIRONMENT

Hutchison Ports Thailand is fully committed to protecting the environment and combatting climate change and to this end, our Group has committed itself to a measurable "net zero" emissions target by 2050 under a United Nations partnership known as Science Based Targets Initiative or, SBTi in short. Locally, we are working to mitigate any adverse environmental impacts caused by our operations by adopting a strategy of reducing carbon emissions from our operating activities and in particular, by deploying the latest emissions reduction technology at our highly automated Terminal D at Laem Chabang Port.



In addition, this year we supported The Foundation for Khao Yai National Park we also made further progress with the "Go Green" programme to protect the environment. This year, our "Go Green" activities have resulted in the planting of nearly 4,000 trees.

OUR BUSINESS

Our goal is to become the preferred partner for a sustainable supply chain. Through innovation and collaborative partnerships, our Group is building and operating smarter, more resilient, and highly efficient terminals and workplaces around the world.

Hutchison Ports Thailand is no exception, and our Terminal D at Laem Chabang Port is one of the most advanced container terminals in the world. Operated entirely by electrically powered remote controlled ship-to-shore and rubber tyred yard cranes, together with a fleet of prime movers that currently include 15 electrically powered autonomous or driverless trucks, Terminal D is one of the first container terminals in the world where both automated trucks and conventional trucks are operating together under a single traffic protocol within the terminal. The autonomous trucks have now successfully moved in excess of 200,000 "live" containers within the yard since commissioning.

During the year, we also celebrated the handling of our 40 millionth TEU of containers since the commencement of operations in 2002 and we were extremely honored when Her Royal Highness Princess Maha Chakri Sirindhorn made a special visit to Terminal D on July 4.

I hope that you enjoy reading this special edition of HOIST UP and may I take this opportunity to thank our corporate affairs team for compiling this special edition of our magazine and to wish all my colleagues, customers and other business partners a happy and most importantly, healthy 2024.

Stephen Ashworth

HPT UNVEILS AUTOMATED GATE OPERATION SYSTEM, ELEVATING OPERATIONS WITH SELF-SERVICE EXCELLENCE



The current exponential growth in the logistics industry has compelled numerous service providers to discern their unique strengths. This is essential for elevating service standards beyond competitors in the market and ensuring the steadfast trust of customers.



For Hutchison Ports Thailand (HPT), the commitment to delivering unrivalled standards has been one of our core values, particularly in establishing new benchmarks for the industry and fostering innovations that enhance transportation processes.

In 2023, HPT developed an Automated Gate Operation System as an innovative solution resulting from the fusion of the self-service concept with state-of-the-art hardware technology and a seamless operational process. This advancement aims to elevate the service standards at HPT's Terminals.

THE SELF-SERVICE CONCEPT

The concept of self-service aims to streamline operations by minimising intermediary steps, allowing customers to access information or services independently without needing staff assistance.

In the case of cargo container inspection at the terminal gates, traditionally, the truck driver would have to submit relevant documents related to the containers' pickup and delivery to the inspection gate officer. They would have to wait for document verification, container condition check, seal number inspection, and trailer registration, among other processes. After completing the inspection, they would receive the paperwork, queue, and position for picking up and delivering the containers in the yard.

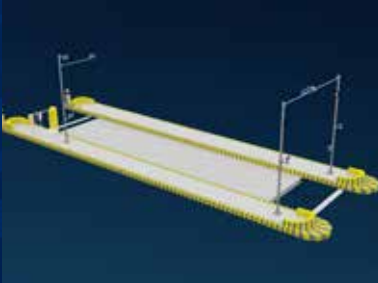
Despite the professionalism of our documentation staff at the gate, these processes can create significant negative factors for operations, from incomplete or inaccurately filled documents leading to extended processing times at the inspection gate. This, in turn, has a cascading impact on the waiting queue for other tractor-trailers near the gate.

THE TURNING POINT FROM TECHNOLOGY ADVANCEMENTS

Since HPT commenced operations at the Laem Chabang Port, the company has invested steadfastly in state-of-the-art technology and modern equipment. To this day, we still persistently seek ways to leverage these tools to continuously enhance the operational practices at our terminals.

COVER STORY

We have invested in hardware and technology for the Automated Gate Operation System to support the customers' comprehensive self-service process. This includes:



1. Optical Character Recognition (OCR) Technology: OCR is a technology that converts data from images into data files that can be used with other programs in the computer system. HPT has implemented OCR to capture data such as container information, numbers of container door seals, labels attached to the containers, and damages that may occur to the containers. The system then converts this information into data files sent to the automated gate operating system.

2. RFID Tag Equipment: HPT uses RFID tags to identify the registration information of trucks entering and exiting. This is done by reading radio frequency signals through RFID readers and receiving responses from RFID tags installed on container trucks' roofs or wind deflectors.

3. Kiosk Machines: These machines issue entry slips upon entry through the automated gate and specify the container pickup and drop-off locations within the cargo container yard. This allows tractor-trailer drivers to deliver or pick up containers in the correct locations. Drivers can confirm their identity through the UBI application or by inserting their ID card into the card slot. The Kiosk cabinet then issues a slip immediately upon receiving complete information from the automated inspection gate.

THE UNRIVALLED STANDARDS

The most crucial aspect of embracing the new operational process to align with overall port operations is the robust and flexible structure of the port operating system. At the core of Hutchison Ports' operation worldwide is the 'nGen' Terminal Operating System, a system designed and developed in-house to seamlessly connect vital information within the port operation process without any disruptions.

Integrating the Automated Gate Operation System into the nGen operating system has elevated the performance of each component, enabling efficient coordination. This includes rapidly and accurately connecting digital data at the inspection



gate with the main operating system. This not only enhances transparency at the container inspection gate but also positively impacts the overall port operations, making them even more agile.

Nevertheless, HPT prioritises user adaptability, maintaining a dedicated service team at the inspection gate. This ensures that truck drivers can fully benefit from these changes, aligning with HPT's commitment to exceed customer expectations. With our unrivalled standards, all our services are designed to be convenient and comfortable for users across the spectrum, from shipping lines and freight forwarders to importers/exporters and truck drivers.





2023
JANUARY - DECEMBER

1,185
TOTAL VESSEL CALLS

Ultra Large
Container Vessel
(ULCV)



Average Capacity (TEU) > 12,500
Length > 366 m

215

Post Panamax
& New Panamax



Average Capacity (TEU) = 4,501 - 12,500
Length 291 - 366 m

269

Panamax



Average Capacity (TEU) = 2,501 - 4,500
Length 215 - 290 m

310

Feeder



Average Capacity (TEU) = 500 - 2,500
Length ≤ 215 m

391



UNITY TRIP

A delegation of executives and employees from Hutchison Ports Thailand visited Bangkok Port to observe the Port Authority of Thailand's terminal operations and their workplace culture. Forty-five participants, including management and employees of Hutchison Ports Thailand, joined the UNITY Trip to Kamnoetvidya Science Academy.



INTERNAL ACTIVITY



Hutchison Ports Thailand recently celebrated its 21st anniversary by organizing a Buddhist ceremony the management and staff attended. The ceremony was followed by distributing 216 scholarships to employees' children who had shown exceptional academic performance from grade 1 to grade 12 or equivalent. This initiative aimed to encourage and support the education of employees' children.



As part of "HPT Family Day 2023," Hutchison Ports Thailand arranged a fun-filled day at the Ramayana Water Park and Nong Nooch Tropical Garden. The event was led by the company's Managing Director, Mr Stephen Ashworth, and included multiple activities for staff and their families. It provided an excellent opportunity for everyone to spend quality family time together.



Additionally, Hutchison Ports Thailand invited its employees to participate in the beautiful Krathong contest at Terminals C1-2 in Laem Chabang Port. The company encouraged using biodegradable materials and collaborated with the employees to design the Krathongs for the contest. The aim was to reduce material usage and minimize waste while upholding the timeless beauty of the Thai tradition.



Moreover, Hutchison Ports Thailand organized a New Year's celebration for its management and staff at C1 and C2 terminals at Laem Chabang Port. The festivities included a collective merit-making session and the "Employees of the Year" recognition for their dedication. During the session, Mr. Stephen Ashworth, HPT's Managing Director of Thailand and Southeast Asia, outlined the vision and direction for the upcoming year and welcomed employee comments and suggestions.

ACADEMIC COOPERATION



Hutchison Ports Thailand has been actively promoting the development of the maritime industry and supporting academic cooperation with educational institutions. Recently, the company's executives and employees were involved in various activities in collaboration with the Faculty of International Maritime Studies at Kasetsart University, Sriracha Campus (IMS, KU).

Mr. Anat Machima, Chief Operating Officer, had the honour of being a special lecturer on 'Port Efficiency Development' to more than 100 students of the Faculty. During the visit, IMS and KU guided the team on a tour of the maritime laboratory classrooms, showcasing a range of impressive facilities.



Hutchison Ports Thailand also received two students from the ASEAN Internship Scheme for Hong Kong Higher Education Students, aimed at widening Hong Kong higher education students' international perspectives. Ms. Amy Tang, Head of Finance, welcomed intern students from The Hong Kong Economic and Trade Office in Bangkok, aiming to foster knowledge transfer and promote a better understanding of the company's business model and practices.



Additionally, Mr. Stephen Ashworth, Managing Director, and Asst. Prof. Sarinya Sanitwongna Ayutthaya, Dean of the Faculty of International Maritime Studies, signed the second agenda of the Memorandum of Agreement on Academic Cooperation between Hutchison Ports Thailand and IMS,

KU. Moreover, Mr. Ashworth participated in the annual uniform ceremony commemorating the graduation of the Class of 2023 in International Maritime Studies at Kasetsart University, Sriracha Campus, delivering a presentation on the sustainable topic of “Port Reception Facility.”



Hutchison Ports Thailand also welcomed faculty members, staff, and students from IMS, KU, to visit Terminal D to understand the port’s operations and the company’s practices at the highly automated container terminal. Additionally, HPT received students’ internships from the Faculty of International Maritime Studies at Kasetsart University, Sriracha Campus. Finally, Mr Machima joined the celebration of the 17th Anniversary of the Faculty of International Maritime Studies at Kasetsart University, Sriracha Campus (IMS, KU), along with the management and staff of IMS KU, extending a warm welcome to all the guests in attendance.





DOCK SCHOOL

Hutchison Ports Thailand recently organized an event named Dock School at Ban Klong Pring School in Chonburi Province. The event included various activities such as presenting scholarships to students, observing the improvements made to the school's infrastructure, planting various trees, and educating the students about the significance of environmental conservation.

SUPPORTING THE LOCAL HOSPITAL

Mr. Stephen Ashworth, the Managing Director, and Mr. Anat Machima, the Chief Operating Officer of Hutchison Ports Thailand (HPT), have sponsored the purchasing of medical equipment for Laem Chabang Hospital in Chonburi Province. The donation included electronic tourniquets and tool boilers to ensure the hospital is well-equipped to provide quality patient care. Dr. Ramase Ampaipis, the Director; Dr. Jirasak Jirakulsawas, the Deputy Director; and the Perioperative Nurses of Laem Chabang Hospital warmly received the contribution.



Our Sustainability Pillars

Hutchison Ports Group is committed to sustainable business practices. In line with the United Nations' Sustainable Development Goals, we have defined our three sustainability pillars, covering a wide range of business operations.

Find out what our sustainability pillars are and what issues are covered below:



Environment



Reduce carbon emission

from operations using electric-powered machinery



Reduce, reuse, and recycle waste



Reduce carbon by planting trees



People



Contribute positively to surrounding communities

by supporting the development of hospitals and schools



Encourage workplace diversity

oppose gender discrimination



Promote the well-being of employees

by investing in non-polluting, anti-vibration machinery and employee training programs



Business



Build sustainable business alliances

by carrying out anti-corruption and transparency policies



Strengthen supply chains

through collaborations with business partners



Continually implement new solutions

and technology-driven online services, including HPT Digital Platform, eTax, and eReceipt

**SPECIAL
EVENT**



HUTCHISON PORTS THAILAND HAS ACHIEVED A SIGNIFICANT MILESTONE BY SUCCESSFULLY HANDLING OVER 200,000 MOVES OF CONTAINERS IN THE TERMINAL D YARD USING AUTONOMOUS TRUCKS.

The company has been at the forefront of introducing autonomous trucks to Terminal D's container handling operations since 2020. Today, we operate 15 autonomous trucks alongside their conventional fleet, ensuring efficient and seamless operations.





The successful implementation of autonomous trucks in Terminal D is a testament to the company's commitment to innovation and sustainability. By introducing autonomous trucks, Hutchison Ports Thailand has improved operational efficiency and reduced carbon emissions. The company aims to continue investing in technology and innovation to provide their customers with the best possible service, while also reducing their environmental impact.

In September, we celebrated our achievement of the 40 million TEUs servicing through Hutchison Ports Thailand since commencing their operation in 2002. On this occasion, Mr. Ashworth gave an encouraging speech and showed his gratitude to the employees for their commitment and hard work toward the success. Aiming for the new milestone of 50 million TEUs, HPT has also set a goal to drive sustainable growth and implement cutting-edge, environmentally friendly technology.



Mr. Anat Machima, the COO of Hutchison Ports Thailand, was a keynote speaker at the World Maritime Day 2023 event. He discussed the company's eco-friendly port operation practices, including remote-controlled cranes and autonomous and electric trucks, resulting in 50% less carbon emissions. The event coincided with the 50th anniversary of MARPOL adoption.

At the end of the year, HPT welcomed Ms. Manaporn Charoensri, Deputy Minister of Transport, and the delegation at Terminal D, Laem Chabang Port. Mr. Anat presented advanced technologies at Terminal D, Laem Chabang Port, to the Deputy Minister of Transport.

In addition, Terminal D's Phase 2A will be completed in early 2024, adding 800,000 TEU capacity.



**SPECIAL
EVENT**



HER ROYAL HIGHNESS PRINCESS MAHA CHAKRI SIRINDHORN VISITED HUTCHISON PORTS THAILAND’S TERMINAL D AT LAEM CHABANG PORT.

The visit was part of an English Program field trip for government officials and Chulachomkhalao Royal Military Academy cadets. Mr. Stephen Ashworth delivered a presentation on the sustainable future of Hutchison Ports Thailand.

Hutchison Ports Thailand is committed to sustainable practices, including autonomous trucks and remote-controlled cranes powered by electricity. They actively participate in eco-conscious endeavours such as the ‘Go Green’ program and collaborate with Kasetsart University Sriracha Campus for maritime education. Terminal D is the world’s first terminal where autonomous and manned trucks navigate shared roadways.

The Princess observed operations at Terminal D and signed the commemorative book before leaving.





Hutchison Ports Thailand hosted an Open House programme for its business partners.

The partners observed the overall operations and technology during the programme at Terminal D, Laem Chabang Port. 269 participants witnessed remote-controlled container handling equipment, autonomous trucks and electric trucks in action.

In addition to the tour around the terminals, the visit also included a presentation of Hutchison Ports Thailand's business and its sustainable commitment to business, environment, and people.

Hutchison Ports Thailand (HPT) is committed to promoting tourism in Thailand's eastern region and nationwide. HPT has equipped Terminal A2 of Laem Chabang Port to cater to cruise ships of various types.

Several cruise ships have made their way to Terminal A2, and HPT has extended a warm welcome to each of them. The luxurious cruise ship M.V. Norwegian Jewel arrived with 5,000 foreign tourists and cabin crew members aboard.

The luxury cruise ship Crystal Symphony also arrived at Terminal A2, and its passengers were given a warm welcome. Crystal Symphony, a flagship vessel of Crystal Cruises with over three decades of cruise tourism expertise, chose HPT for this voyage.

HPT remains steadfast in delivering unmatched service quality to all cruise companies. Through its commitment to supporting local communities by facilitating income distribution, assisting tourism entrepreneurs, and sustaining the production of regional products in Thailand's Eastern region, HPT is proud to play a pivotal role in international cruise voyages within the ASEAN region.



HUTCHISON PORTS THAILAND IS COMMITTED TO PROTECTING THE ENVIRONMENT.

We are also working to mitigate any adverse environmental impact caused by our operations, by adopting a strategy of reducing carbon emissions and deploying the latest emissions reduction technology.



At the beginning of the year, Stephen Ashworth, Managing Director, Mr. Anat Machima, Chief Operating Officer and Ms. Amy Tang, Head of Finance, together with the management team, judged the 'My Green Port' Painting Contest. This contest received 41 entries from children in the

age groups of under 8, 8-11, and 12-16. The purpose of this event was to raise awareness about environmentally friendly terminal operations and to foster the creativity of the children of Hutchison Ports Thailand's employees.



Under the academic cooperation with IMS, KU, Mr. Stephen Ashworth, the Managing Director of Hutchison Ports Thailand (HPT), was invited to be a keynote speaker at the 'SEA the Future 2023 Conference' held by the Faculty of International Maritime Studies, Kasetsart University, Sriracha Campus. At the conference, Mr. Ashworth shared the Sustainable Development Goals of the company, which included the sustainability pillar and Net Zero Pathway of Hutchison Ports Group, as well as the environmentally friendly mission of Hutchison Ports Thailand. The visitors also had the opportunity to observe HPT's overall operations and the advanced technology used, including cutting-edge remote-controlled container handling equipment and autonomous trucks.



Following this event, Hutchison Ports Thailand and the Faculty of International Maritime Studies at Kasetsart University, Sriracha Campus continued the Go Green Program collaboration for the 2nd year. We launched the Go Green Campaign 2023, aimed at promoting the creation of green spaces at home. We also conducted a 'Go Green plant a tree 2023' campaign, in which the management team, dean of the faculty, staff, and students participated in planting over 40 yellow trumpet-flower and purple orchid trees. Lastly, we

extended our Painting and Upcycling Contest with IMS, KU student. The participants submitted a total of 64 drawings for the 'Green Port' competition and 37 Upcycled creations.



Later that year, Mr. Ashworth, Managing Director, was invited by the Ports Authority of Thailand to participate in a forum titled "Delivering Low-Carbon and Digital Future – Opportunities and Challenges" at the APSN Forum on Innovative Ports for a Low-Carbon and Digital Future, held at the Chatrium Hotel Riverside in Bangkok from 24-25th October 2023. At the forum, Mr. Ashworth was honored to take a group photo as a representative of the GPAS winner.



Hutchison Ports Thailand received the Green Port Award System 2022 (GPAS), despite the challenges posed by the COVID-19 pandemic. As one of the winners, HPT's efforts exemplify the commitments and contributions to environmental responsibility and a more sustainable maritime industry.



Mr. Stephen Ashworth, Managing Director, and Anat Machima, Chief Operating Officer made a donation to the Foundation for the Protection of Khao Yai National Park. The donation was received by former Prime Minister of Thailand, General Surayud Chulanont who is the president of the foundation.

Go Green 2024 INITIATIVES

We believe in embracing every small action, as each contributes to our common goal. Our mission is to ensure no one is left behind as we sow the seeds of love for our world in younger generations.

Our dedication extends to those who came before us, ensuring their peaceful coexistence wherever we are. As we march toward a sustainable future, we celebrate the diverse ways we can make it happen—your way, our way, everyone’s way.

Together, we can transform our shared vision into a reality.



ฮัทชิสัน
มุ่งสู่
NET ZERO
EMISSIONS
ในปี
2050

TOGETHER
WE CAN MAKE IT HAPPEN



HUTCHISON PORTS GROUP'S NETWORK COVERS **5** MAJOR PORTS IN SOUTHEAST ASIA



Thilawa,
YANGON

A port cluster
located near the
commercial centre,
Yangon



Laem Chabang Port,
CHONBURI

Thailand's
gateway port



Cai Mep-Thi Vai,
HO CHI MINH CITY

The nation's
fastest-growing
port driving exports



Port Klang,
KUALA LUMPUR

the country's
most important
multipurpose port
for local and transshipment
cargo, located near the
capital of Kuala Lumpur



Tanjung Priok Port,
JAKARTA

The country's
principal seaport,
handling more than
50 percent of Indone-
sia's cargo traffic



Hutchison Ports Thailand
 Hutchison Ports Thailand
 Hutchisonthailand
 @Hutchisonportsthai
 Hutchison Ports Thailand
 Hutchison Ports Thailand

Hutchison Ports (Thailand) Limited

Laem Chabang Office:
88 Moo 3, Tungsukhla, Sriracha
Chonburi 20230, Thailand

Bangkok Office:
Floor 11th, Room No.5,
Silom Complex Building,
191 Silom Road, Silom, Bangrak,
Bangkok 10500, Thailand

**HUTCHISONPORTS
THAILAND**