## **Green Port Operations in Hong Kong**

Green Port Operations in Hong Kong Business

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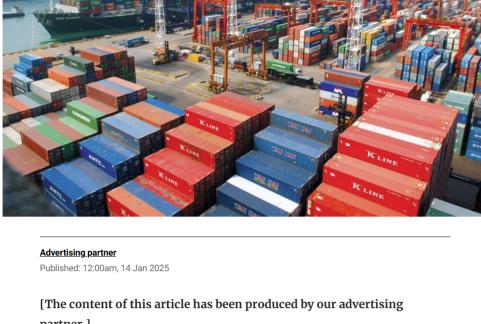
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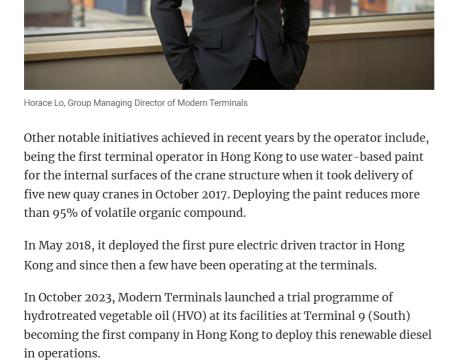
• Electrification of RTGCs: Transitioning from diesel-powered rubber-tyred gantry cranes (RTGCs) to hybrid and eventually to fully electric ones to reduce carbon emissions.

- systems to harness renewable energy sources • LED Lighting: Upgrading conventional lighting to LED
- Horace Lo, Group Managing Director of Modern Terminals recalls: "We signed the Clean Air Charter in 2005 as a commitment to reduce emissions. In 2006, we set up our Environment Committee and

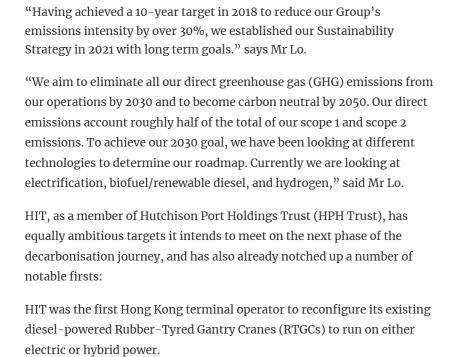
initiatives. As a start, we used LPG forklifts and launched our pilot test of

established our Environmental Policy to drive our environmental

hybrid-RTG (rubber-tyred gantry crane)."



Renewable diesel hydrotreated vegetable oil (HVO)



The operator introduced Hong Kong's first quay cranes equipped with

solar panels on top of machinery houses.

Quay Cranes equipped with solar panels

HIT and CLP Power Hong Kong have partnered on a series of decarbonisation initiatives aimed at reducing emissions and promoting sustainability. These efforts include electrifying cranes and vehicles, as well as adopting renewable energy sources, leading to a reduction of over 15,000 tonnes of carbon emissions in 2023.

demonstrates our commitment to achieving net-zero carbon emissions,"

"As a responsible corporation, HPH Trust continues to promote transparency regarding its carbon footprint and proactively seeks decarbonisation opportunities. In 2023, HPH Trust announced a new target for a longer-term and more ambitious goal, aiming to cut its carbon emissions intensity by 30% between 2021 and 2030. This

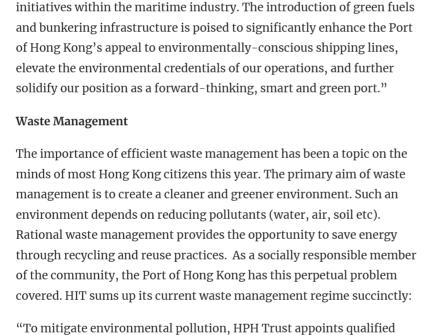
said Ivor Chow, Chief Executive Officer of HPH Trust.

Ivor Chow, Chief Executive Officer of HPH Trust

"The Trust mapped out its value chain emissions impact to gain a deeper understanding of its footprint and the activities of its business partners. This exercise is an integral step in the development of our net-zero

"We are committed to advancing sustainability and eco-friendly

strategic roadmap.



companies to collect waste, including chemicals or hazardous materials

Waste generation data is collected periodically and reviewed by the Environmental Steering Committee of HIT to ensure its waste reduction

Waste materials, including scrap iron, waste wire rope and tyres, are

sorted and handed to licensed contractors for recycling."

to ensure they are handled properly.

initiatives are well implemented.

Modern Terminals meanwhile, maintains that it recycles all materials capable of recycling with only general daily waste from offices being sent to landfill. Adapting to climate change

Despite the unstinting efforts of these two terminal operators and others

of similar mind, the more general tardiness of global efforts to eliminate greenhouse gases means the world will inevitably face some consequences of existential climate change. There will be more typhoons and they will be more powerful. Temperatures will soar higher still. Without adaptation ports including Hong Kong will be among the most vulnerable to the effects. "As climate change intensifies globally and stakeholders demand immediate action from corporations, HPH Trust will continue to integrate

environmental and climate-related risks and opportunities into its strategic planning and operational decision-making. This aligns with its commitment to safeguarding the environment and enhancing climate

resilience at all levels," added Mr Chow.

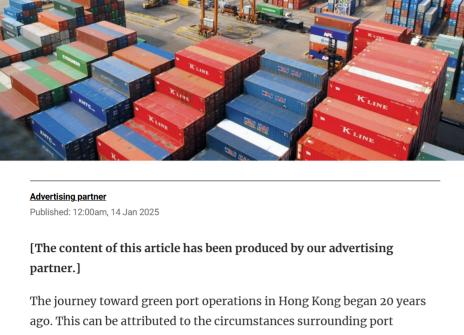
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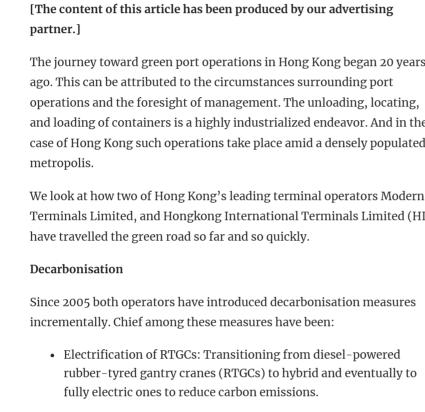
"With the assistance of an external consultant, HIT has identified its key climate-related risks, as outlined by HPH Trust, to further analyse to provide a detailed assessment of various climate-related outcomes, which will serve as a framework for formulating proactive and resilient strategies for risk mitigation."

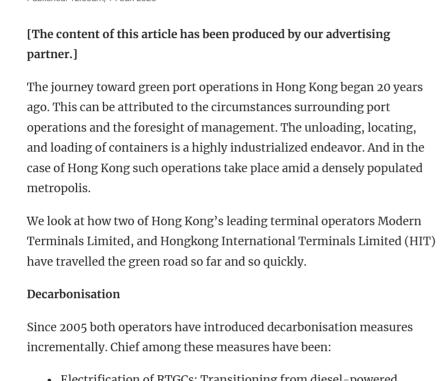
Similarly, Modern Terminals are making plans ahead. "We have identified climate-related risks for our company and our ongoing efforts involve comprehending and prioritising those risks as well as formulating effective mitigating measures for the ones most likely to have implications for our business," said Mr Lo. "We have also launched

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additional measures to help our people tackle the extreme heat."







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