

Chinachem Group

Sustainability Conference 2024

Integrating Sustainability Solutions towards a Resilient Future



Mr Peter CT LEE

General Manager, Sustainability, Airport Authority Hong Kong

Summary

"Weathering the Storm - Operating a Climate-resilient Airport"

- Mr Peter CT LEE expressed his gratitude for the opportunity to speak at the conference, focusing on the impact of climate change on airport operations.
- He highlighted the vulnerability of coastal airports to rising sea levels and extreme weather events, citing examples such as the Kansai International Airport incident in 2008, where operations were severely disrupted.
- Mr LEE referenced the London Luton Airport incident during a heatwave in 2022 and the recent flooding at Dubai International Airport to illustrate the pressing challenges faced by airports globally.
- He shared that Hong Kong International Airport is proactive in enhancing its operational resilience, having commissioned an 18-month climate resilience study in 2020.
- The study involved collaboration with 20 internal departments to gather insights and strengthen operational capabilities against climate impacts.
- Mr LEE reported that the airport has successfully navigated significant weather challenges, including typhoons and heavy rainstorms, thanks to robust operational procedures and emergency management protocols.
- He emphasised the importance of regular drills for weather preparedness, mentioning the typhoon readiness exercise conducted in March 2024, which involved over 700 participants from 25 organisations, including Hong Kong Observatory, Hong Kong Police Force, Hong Kong St. John Ambulance, airport business partners.
- Mr LEE discussed the airport's physical risk assessment, which evaluates potential impacts from climate change scenarios, including rising temperatures and increased rainfall.
- He presented projections indicating significant increases in daily rainfall and sea level rise by the end of the century, stressing the need for comprehensive planning.
- The airport's physical risk assessment identified six critical assets at the airport that require ongoing evaluation and enhancement to withstand climate-related threats – airfield, airfield power distribution system, baggage handling system, chiller systems and seawater systems, tunnel – airfield, and terminal buildings.
- Mr LEE concluded by outlining the airport's commitment to sustainability, including the development of resilience guidelines for new projects and adherence to evolving financial disclosure standards.
- He reiterated the importance of continuous adaptation and collaboration with stakeholders to ensure the long-term resilience of Hong Kong International Airport in the face of climate change challenges.

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華懋集團

可持續發展論壇 2024

多元可持續發展方案 應對未來挑戰



李仲騰先生
香港機場管理局可持續發展總經理

重點

「應對氣候挑戰—提升機場氣候韌性」

- 李仲騰先生感謝主辦單位給予他在論壇上發表演說的機會，並重點討論氣候變化對機場運營的影響。
- 他強調沿海機場對海平面上升和極端天氣事件的脆弱性，並引用了2008年日本關西國際機場事件的例子，說明事件嚴重干擾機場營運。
- 李先生提到2022年倫敦頓機場在熱浪期間的事件，以及最近杜拜國際機場的水浸事件，以說明全球機場正面臨迫在眉睫的挑戰。
- 他分享了香港國際機場在增強營運韌性方面的積極措施，並於2020年展開為期18個月的氣候韌性研究。
- 該研究涉及與20個內部部門的合作，以收集意見並增強抵禦氣候影響的營運能力。
- 李先生指出，機場成功應對了包括颱風和暴雨在內的重大天氣挑戰，這有賴穩健的營運程序和應急管理協議。
- 他強調定期演練在氣候準備中的重要性，並提到2024年3月進行的颱風應變演習，該演習動員來自25個機構的700多名參與者，包括香港天文台、香港警務處、香港聖約翰救傷隊及機場的商業合作夥伴。
- 李先生討論了機場的物理風險評估，以評估氣候變化情境可能帶來的影響，包括氣溫上升和降雨量增加。
- 他預示，至本世紀末，每日降雨量和海平面上升將顯著增加，強調全面規劃的必要性。
- 機場的物理風險評估確定了機場內六個需要持續評估並加強的關鍵資產，以抵抗氣候相關威脅，包括跑道、跑道電力分配系統、行李處理系統、冷卻系統和海水系統、隧道——跑道及客運大樓。
- 李先生最後概述了機場對可持續發展的承諾，包括為新項目制定韌性指引，以及遵守財務披露標準。
- 他重申持續適應及與持份者協作的必要性，以確保香港國際機場在面對氣候變化挑戰時的長期韌性。

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