Chinachem Group
Sustainability Conference 2024
Integrating Sustainability Solutions towards a Resilient Future

Mr CHEN Shao-xiang

Party Secretary, Chairman of Guangdong Provincial Academy of Building Research Group Co., Ltd.;
Chairman, the Guangdong-Hong Kong-Macao Greater Bay Area (the GBA) Building Technology Alliance

Summary

"Latest Technology for a Climate Resilient Built Environment in the Greater Bay Area"

- Mr CHEN Shao-xiang expressed his honour in participating in the Chinachem Group Sustainability Conference and sharing the important topic of "Latest Technology for a Climate Resilient Built Environment in the Greater Bay Area".
- He pointed out that the climate characteristics of the Guangdong-Hong Kong-Macao Greater Bay Area are a South Asian subtropical humid monsoon climate, facing extreme weather challenges such as typhoons and heavy rain, which necessitate urgent strengthening of climate resilience construction.
- He emphasised that resilient development and climate adaptability are our shared responsibilities, and we should build a safe, intelligent, and liveable environment at all levels, from cities to communities.
- Mr CHEN mentioned that the goal of resilient city policy development is to enhance urban resistance to natural disasters and to promote relevant planning at both national and local levels.
- He noted that the pressing issue currently facing the Greater Bay Area is addressing flooding and rainwater, and that the urban stormwater flood defense system needs further enhancement.
- Mr CHEN introduced the concept of "sponge cities," highlighting its importance in urban rainwater management, and noted that the country has selected 60 cities for demonstration construction.
- He mentioned that in engineering practice, Zhuhai has adopted flexible measures to address rainwater issues, achieving good water safety and ecological environments.
- Mr CHEN shared technological achievements, including the drafting of national and provincial standards, as well as the acquisition of relevant patents, demonstrating progress in resilient city construction.
- He introduced newly designed prefabricated flood gates and a 5G smart detection vehicle, which will enhance emergency response capabilities.
- Mr CHEN emphasised the importance of a monitoring and early warning platform for urban lifeline engineering, aimed at fundamentally preventing risks and hazards.
- Guangdong Provincial Academy of Building Research Group aspires to lead in building technology, green manufacturing, and urban safety, seeking collaboration with Hong Kong to enhance climate resilience in the Greater Bay Area. The goal is to transform the region into a globally vibrant and innovative area, with a commitment to sustainable development and environmental protection.
- Mr CHEN hoped that through collective efforts, the Greater Bay Area can become one of the most vibrant and innovative regions in the world.

Organiser

CHINACHEM GROUP 華懋集團

Co-organisers

BUSINESS ENVIRONMENT COUNCIL 商界環保協會

HKGBC 香港綠色建築議會

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

陳少祥先生
廣東省建築科學研究院黨委書記及董事長、粵港澳大灣區建築科技聯盟理事長

重 點

「大灣區氣候韌性建築環境之最新科技」

- 陳少祥先生表示，十分榮幸能夠參加「華懋集團可持續發展論壇」，分享「大灣區氣候韌性建築環境之最新技術」此重要主題。
- 他指出，粵港澳大灣區氣候特徵為南亞熱帶濕潤季風氣候，面臨颱風、暴雨等極端氣候挑戰，迫切需要加強氣候韌性建設。
- 他強調，韌性發展和氣候適應性是我們共同的責任，應從城市到社區全方位構建安全、智慧、宜居的環境。
- 陳先生提到，韌性城市政策的發展目標是提高城市抵抗自然災害的能力，並在國家和地方層面推動相關規劃。
- 他指出，當前大灣區面臨的緊迫問題是應對洪水和雨水，城市暴雨洪涝防禦系統需要進一步提升。
- 陳先生介紹「海綿城市」的概念，強調其在城市雨洪管理中的重要性，並指出國家已選定60個城市進行示範建設。
- 他提到，在工程實踐方面，珠海市針對雨水問題採取了靈活的措施，實現了良好的水安全和水生態環境。
- 陳先生分享了技術成果，包括國標和省標的編制，以及相關專利的獲得，展示了在韌性城市建設方面的進展。
- 他介紹了新設計的裝配式防汛閘門和5G智能檢測車，這些技術將提升應急響應能力。
- 陳先生強調了城市生命線工程的檢測預警平台的重要性，旨在從根本上防範風險隱患。
- 廣東省建築科學研究院希望在建築科技、綠色建造和城市安全方面領先，尋求與香港的合作，以提升粵港澳大灣區的氣候韌性。目標是將該地區轉變為全球最具活力和創新能力的地區，並致力於可持續發展和環境保護。
- 陳先生期望，通過大家共同努力，大灣區能成為全球最具活力和創新能力的地區之一。

Organiser

CHINACHEM GROUP 華懋集團

Co-organisers

BUSINESS ENVIRONMENT COUNCIL 商界環保協會

HKGBC 香港綠色建築議會