

Chinachem Group

Sustainability Conference 2022

Creating Social Impact on the Zero Carbon Journey in Hong Kong



Dr Rocco Yim
Principal
Rocco Design Architects Associates Limited

Summary

Can Cultural Buildings be Green?

- Design priorities for cultural buildings and green buildings are often incompatible.
- For instance, natural lighting is undesirable for museums, while energy reduction is challenging for performing art centres.
- That said, Hong Kong Palace Museum (HKPM) and East Kowloon Cultural Centre (EKCC) have obtained provisional Gold rating in BEAM Plus version 1.1.
- HKPM**
 - Its green credentials include: its compact size resulting in a minimum physical footprint; a high ratio of wall to window area; and its skin helps conserve energy by reflecting sunlight.
 - The good spatial experience entices visitors to enter the museum to explore and attracts them to revisit.
 - It provokes visitors to think about the past, present and future, thus contributing to cultural sustainability.
- EKCC**
 - A circulation system penetrating the centre to allow people to pass through it every day, thereby enhancing and extending community life round it.
 - It is housed in a transparent enclosure with fluidity of space, enabling people to contact with the surrounding urban environment on the way to different destinations.
 - The district will become more walkable.
 - Cultural buildings can contribute to sustainability – not only environmental sustainability, but also urban, social and cultural sustainability.



華懋集團

可持續發展論壇 2022

香港零碳之旅 · 創造社會效益



嚴迅奇博士
主持
嚴迅奇建築研討所

重點

文化建築可環保嗎？

- 🌿 文化建築和綠色建築的設計要求存在不少衝突。
- 🌿 例如，博物館不宜採用過多自然光，表演藝術場地難以減少耗用能源。
- 🌿 儘管如此，香港故宮文化博物館和東九文化中心均獲綠建環評1.1版暫定金級。
- 🌿 香港故宮文化博物館
 - 🌿 綠化特色：小巧外型儘量佔用最少土地；高牆窗面積比；外牆可反射陽光以節約能源。
 - 🌿 舒適的空間體驗吸引遊人入內參觀和再次到訪。
 - 🌿 引發參觀者思考今昔未來，推動文化可持續發展。
- 🌿 東九文化中心
 - 🌿 行人通道貫穿中心，引領市民每天走進文化空間，豐富社區生活。
 - 🌿 設計透明度高，流動的室內外空間，讓途經市民接觸周遭市區環境。
 - 🌿 當區變得更宜步行。
 - 🌿 文化建築可推動可持續發展，不僅在環境方面，還有市區、社會和文化的可持續發展。

