

Other research in Hong Kong, including the energy audit of existing buildings [34], [35], surveys of energy end-use and building characteristics [71] and building energy models [72], [73], forms a solid basis for the assessment of energy savings as ...

In response to this, as part of Hong Kong Environment Bureau's Climate Action Plan 2030+ - setting a carbon intensity reduction target of 65-70% by 2030 compared to the 2005 level - the city has introduced a set of strict ...

As the world's population grows and more buildings are constructed, so does the demand for clean water and energy efficient building solutions. Residential and commercial buildings are responsible for an enormous amount of energy consumption -- ...

According to the Hong Kong performance-based building energy code 2007 [30], the occupant density is 13 m<sup>2</sup> /person and the infiltration rate is 0.288 air change rate per hour ... Moreover, the technical effectiveness of various solutions (such as different energy flexibility sources, diversified integrated systems and different control ...

Waste-to-energy has been a significant strategy in Hong Kong's climate action plan. T&#183;PARK is one of the world's largest waste-to-energy facilities, specifically designed for sludge treatment in Hong Kong. To gain a better understanding of the emergence of waste-to-energy in Hong Kong, HKTDC Research interviewed Norman Cheng, Business Development Director of Veolia Hong ...

Founded in 2020, Urban Green Consultants Limited (UGC) is a Hong Kong based sustainability and environmental consulting firm striving to provide one-stop on-demand services for our ...

Evaluate sustainable energy and power management with EcoStruxure Power. Achieve voluntary green building certification, use digital monitoring and reporting apps, and comply with local ...

Riding on our engineering and IoT expertise, we provide wide-ranged E& M Services, Smart Energy and Power Quality Solutions to promote energy efficiency and Smart Building ...

The applicability of the GRTs and the importance of the GRPs for green retrofit of aged residential buildings in Hong Kong were studied, the correlations between the GRTs and GRPs were analyzed ...

Buildings account for about 90 per cent of total electricity consumption in Hong Kong. By improving building energy efficiency, greenhouse gas emissions would be effectively reduced. The Buildings Energy Efficiency Ordinance aiming to ...

Although topographical reasons make it unlikely that Hong Kong will be able to become completely self-sufficient in clean energy in the near future, a strong expansion of locally produced renewable energy is an important element in decarbonising the power sector, which is responsible for 70% of Hong Kong's greenhouse gas emissions and today ...

The first electricity supplier in Hong Kong to generate power with natural gas is breaking new ground again. With digital solutions and one of the world's most efficient gas turbines, China Light and Power (CLP) is helping the city to increase the amount of natural gas in its local energy mix and cut its carbon footprint.

In response to this, as part of Hong Kong Environment Bureau's Climate Action Plan 2030+ - setting a carbon intensity reduction target of 65-70% by 2030 compared to the 2005 level - the city has introduced a set of strict green certification standards designed by the Hong Kong Green Building Council (HKGBC) called BEAM Plus. To attain a BEAM Plus certification ...

In Hong Kong, 96% of PRH buildings are equipped with aluminum windows with ordinary glazing [42] The solar heat gain through glazing has been proven to be the main culprit of the worsening indoor thermal environment in Hong Kong buildings [73]. The uniform replacement of existing windows by those with reflective coating or double glazing could ...

Completed in 2018, One Taikoo Place set a new standard for sustainable buildings in Hong Kong by being the first commercial building to use a waste-to-energy, tri-generation system. A full quarter of the roof includes a green space to help reduce heat absorption, and to reduce water consumption by recycling both rainwater and grey water.

Buildings represent 90% of the energy consumption in Hong Kong. It is essential to reduce the electricity use in buildings to tackle climate change together. We provide custom-made energy management solutions to optimise your energy ...

(Hong Kong, 4 September 2024) - Hong Kong Science and Technology Parks Corporation (HKSTP) is leading 14 innovative partner companies to the International Built Environment Week (IBEW) 2024, held from 4-6 September ...

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Expand the scope of the EAC to include all buildings under Schedule 1 of the Hong Kong Building Energy Efficiency Ordinance (BEEO), the same as the BEC. Reduce the current 10-year period between audits to drive progress and address deficiencies in each building's performance - for example, Singapore Energy

The building sector contributes 40% of global greenhouse gas (GHG) and global carbon dioxide emissions, which have shown a 1% annual increase in recent years (IEA, 2017) response to many nations' and regions' declarations of carbon neutrality goals, such as Hong Kong's and China's pledge to be carbon neutral by 2050 and 2060, respectively (Li et al., 2021, ...

As a trusted partner to provide energy and infrastructure solutions in Hong Kong and Mainland China, CLP e delivers urban and industrial energy infrastructures to cities; comprehensive ...

Climate Solutions; Sustainable Business ... The skyscraper is the first commercial building in Hong Kong to feature a waste-to-energy biodiesel system that combines heating, cooling and power ...

As of May 1, 2011, New York Local Law 84 (NY LL84) requires any building over 50,000 square feet to submit an annual energy benchmark or face a \$2,000 fine. This data is then publicly disclosed so that prospective tenants can compare buildings' energy usage, allowing for more informed decisions about the costs of renting a building space.

In August 2023, amendments to the Buildings Energy Efficiency Ordinance were proposed (pending approval), which stipulate that owners or stakeholders of thirteen categories of buildings and data centers must conduct an energy audit every five years for four types of relevant 'central building services installations.' Hong Kong Energy Audit ...

CLP e, originated in Hong Kong in 1985, is a wholly-owned subsidiary of CLP Holdings Limited. As a trusted partner to provide energy and infrastructure solutions in Hong Kong and Mainland China, CLP e delivers urban and ...

In furtherance to the carbon emission reduction and energy use reduction targets set by 'Hong Kong's Climate Action Plan 2050' released in 2021, the HKGBC launched the Zero-Carbon-Ready Building Certification Scheme in June 2023 to help the building sector to benchmark energy performance and set decarbonization targets.

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Renewable energy plays a crucial role in replacing major part of fossil fuels to generate sustainable, inexhaustible, clean, and safe energy. In Hong Kong, solar energy has been identified ...

'Hong Kong 2050 is Now' seeks to mobilize action to transition Hong Kong towards long term carbon neutrality, and set an example for how the city can mitigate the risks of climate change. An initiative of

Civic Exchange, World Resources Institute, ADM Capital Foundation and RS Group, we serve as a platform for research and collective action.

Hong Kong's Climate Action Plan 2050 . has set a pathway for decarbonising the electricity supply before 2050. The building sector should be playing a prominent role in decarbonising the demand side which is to reduce the energy consumption within buildings.

(Hong Kong, 4 September 2024) - Hong Kong Science and Technology Parks Corporation (HKSTP) is leading 14 innovative partner companies to the International Built Environment Week (IBEW) 2024, held from 4-6 September at Marina Bay Sands, Singapore. ... Neuron Digital specialises in smart building solutions, optimising energy management and ...

We compare energy performance of schools with suitable efficiency benchmarks through professional audits and computational tools, and we tailor energy saving solutions for them. ...

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