

為政府大樓取得「綠建環評」認證作先鋒

Pioneer of Government Buildings in Achieving BEAM Plus Certification

機電署全力支持建築物的可持續發展，務求為市民大眾締造宜居環境。我們的總部大樓榮獲「綠建環評既有建築1.2版」最高評級的暫定鉑金級認證，這是一套獲香港綠色建築議會認可的全面環境評估系統。此外，機電署總部大樓也是首座獲得「綠建環評既有建築」（政府、機構及社區）類別暫定鉑金級認證的政府部門總部大樓，這項榮譽對其卓越綠色表現予以肯定。

我們已藉着總部大樓所獲的認證，為改建既有建築成為符合「綠建環評」

最新標準的綠色建築，開創成功的先例。我們可應用這次經驗，協助其他政府大樓取得有關認證，尤以既有建築為然，因為這類建築如要達到「綠建環評」的綠色表現要求，會比新建建築面對更多挑戰。

香港的碳排放量約有62%來自建築物，因此，為既有建築進行改裝，使其符合可持續發展的要求，日益重要。

「綠建環評」根據建築項目的六大範圍進行評估，包括「用地與室外環境/場地管理」、「用材」、「能源使用」、

「用水」、「室內環境質素」和「創新」。機電署總部大樓獲得整體80.3分，在「能源使用」、「創新」和「用地」方面更有優秀的表現。

「綠建環評」的認證過程也幫助我們制訂及實施多項綠色建築的營運和管理措施，當中包括：綠色採購計劃、能源管理計劃、節水管理計劃、廢物管理計劃以及害蟲綜合治理計劃等，而這些措施已取得顯著成果，例如全年用水量減少了超過30%，以及現時總部採購的物品有超過70%已獲環保認證。

EMSD is committed to supporting building sustainability and nurturing a liveable environment for all. The EMSD Headquarters Building has been awarded the Provisional Platinum Rating under the Building Environment Assessment Method for Existing Buildings (BEAM Plus EB) Version 1.2, a comprehensive environmental assessment scheme recognised by the Hong Kong Green Building Council. It is also the city's first building of government departmental headquarters being awarded a Provisional Platinum Rating under the BEAM Plus EB (Government, Institutional & Community) category, in recognition of its outstanding green performance.

In achieving the certification, we have set a successful example of converting an existing building into a green one that satisfies the latest BEAM Plus standards. The experience gained can be applied to help other government buildings achieve the certification, in particular existing buildings, which face more challenges than new buildings in meeting the BEAM Plus green performance criteria.

Buildings account for around 62% of city carbon emissions in Hong Kong, thus



機電署總部大樓安裝了全港市區內最大型的太陽能光伏系統。
EMSD Headquarters Building is installed with the largest Photovoltaic System in Hong Kong urban area.

retrofitting existing buildings into sustainable units is increasingly important.

The BEAM Plus assessment award credits based on the performance of a building in six aspects: "site", "materials", "energy use", "water use", "indoor environmental quality" as well as "innovations and additions". The EMSD Headquarters Building achieved an overall score of 80.3 with exceptionally outstanding performance in "site", "energy use", and "innovations and additions" aspects.

The BEAM Plus certification process has also helped us develop and implement green building operation and management practices, such as adopting appropriate plans for specific activities in green purchasing, energy management, water conservation, waste management and integrated pest control. These practices have yielded significant results, such as reduction of over 30% in annual water consumption, and that over 70% of items purchased at the headquarters are now certified as environmentally friendly.

我們為總部大樓取得「綠建環評」的經驗，將有助我們協助提升其他政府建築的「綠色」表現。

Our experience in achieving BEAM Plus certification for the EMSD Headquarters Building enables us to help other government buildings enhance their "green" performance.

