



建議在紅磡海底隧道收費廣場興建綠化平台 Proposed Green Deck over Cross-Harbour Tunnel Toll Plaza

優化環境的創新方案
An innovative solution to enhance the environment

Background

Located at a strategic area, the Cross-Harbour Tunnel Toll Plaza (Toll Plaza), used by about 120,000 vehicles daily, is one of the most congested tunnel toll plazas in the world. The heavy traffic there has adversely affected the air quality of the district, which has been a source of complaints for many years.

PolyU, a university where innovation meets application, has come up with an idea to tackle this longstanding problem – a green deck over the Toll Plaza. Apart from improving the air quality of the nearby area, the project will bring huge long-term benefits to the community: increased open space, improved connectivity and enhanced accessibility to the waterfront.

背景

位處重要交通樞紐的紅磡海底隧道收費廣場是世界最繁忙的隧道收費廣場（收費廣場）之一，每日約有十二萬架車輛行經該處，繁忙的交通嚴重影響區內空氣質素，多年來為地區帶來很多困擾。

善於利用創意的香港理工大學（理大）提出在收費廣場上興建一個綠化平台，作為解決這個問題的方案。綠化平台計劃除了可以有效改善鄰近地區的空氣質素外，更為社區帶來廣泛及長遠的裨益，包括增加公共空間，提供通道方便往來毗鄰社區及前往尖東海旁一帶。





Green Deck may enhance value and development potential in the district
綠化平台可提升地區的物業價值和發展潛力

The proposal

This innovative project will involve the construction of a deck over the Toll Plaza. The deck, stretching from the northern tip of the PolyU campus to the Tsim Sha Tsui East harbour front, will connect the podium of the PolyU campus with that of the MTR Hung Hom Station.

According to the initial proposal, about 80% of the deck area will be designated as green open space, which will be used as passive recreation areas, pedestrian walkway, landscaped park, outdoor performance and sports facilities and associated amenities. The remaining 20% of the deck will be built area with potential uses including indoor sports, cultural and recreational facilities, art gallery, as well as refreshment kiosks and pavilions.

Possible uses of the Green Deck
綠化平台的建議用途



綠化平台計劃

綠化平台計劃這個創新項目建議在收費廣場上興建一個平台，將港鐵紅磡站上蓋及理大主校園連接起來，並由校園北面伸延至尖東海旁。

根據理大初步建議，綠化平台面積中約有八成可用作綠化公共空間，包括興建靜態康樂用地、行人通道、園林公園、戶外表演及體育場所，以及其他相關設施。其餘兩成用地則作為戶內體育、康樂文化設施、藝術廊，以及小食亭和涼亭等休憩區。

The 'green' considerations and benefits for the community

An environmentally-friendly design

- With the application of the latest technology in air filtration / cleaning to remove vehicular exhaust pollutants and dusts, the air quality in the region can be substantially improved and traffic noise can also be reduced upon the enclosure of the heavy traffic at the Toll Plaza.
- With the majority of the deck covered with natural greeneries, the current "heat island effect" generated by the tarmac road surface and large amount of vehicles at the Toll Plaza can be significantly reduced.

A community-oriented project

- The nearby communities and public transportation commuters will be able to enjoy the green open space (over 43,000 m²) on the deck and many sports and communal facilities.
- The green deck, together with PolyU's open campuses, will significantly improve the pedestrian connectivity amongst the nearby districts: Homantin, Hung Hom, Tsim Sha Tsui East and Jordan. Other than pedestrian walkways, cycle tracks can also be provided to encourage environmentally-friendly commuting.
- The green deck and PolyU's pedestrian and cycle track systems can connect the harbour front with the neighborhoods, thus bringing the harbour to people and bringing people to the harbour.
- Upon eliminating the environmental nuisances of the Toll Plaza, and provision of a visually and environmentally pleasant green deck, the overall ambience of the surrounding areas can be drastically improved. This will enhance the property value of the potential developments over MTR Hung Hom Station as well as the private developments in surrounding areas including Tsim Sha Tsui East and Hung Hom.
- The whole of Tsim Sha Tsui East may be revitalized in the long run brought about by the new developments on the New World site and the MTR Hung Hom Station area improvements, together with the green deck.

Pedestrian and bicycle circulation

行人通道及單車徑



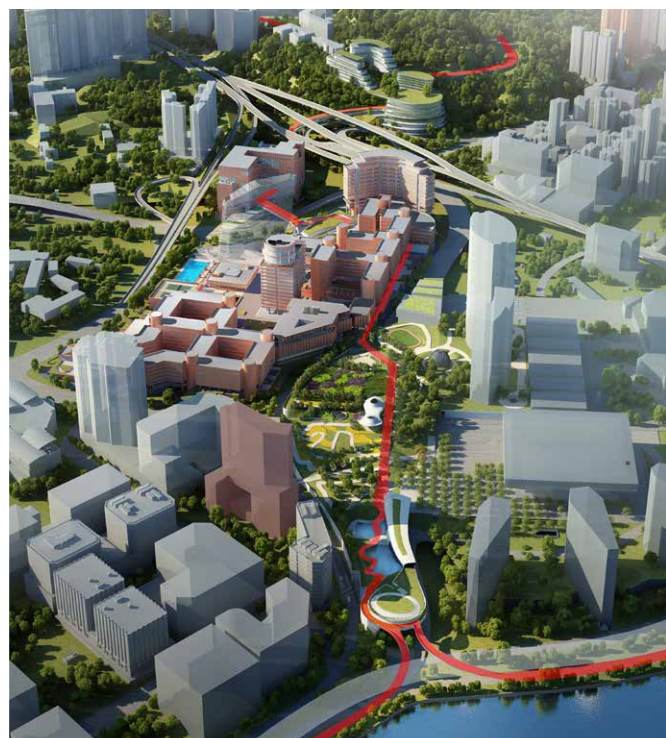
優化環境 造福社區

環保設計

- 透過運用先進的空氣淨化 / 過濾技術潔淨汽車廢氣及塵埃，能大大改善區內空氣質素，另外，綠化平台將行車繁忙的收費廣場封蓋，亦有效地減低交通噪音。
- 綠化平台上有大量的天然綠化植物，有助緩解收費廣場附近因為柏油路及行車繁忙而造成的「熱島效應」。

社區為本

- 鄰近社區及公共交通使用者將能享受超過四萬三千平方米的綠化空間，以及多項體育和公共設施。
- 綠化平台與理大的開放式校園連接起來，行人往來鄰近地區包括何文田、紅磡、尖沙咀東及佐敦都更感方便，除了行人通道外，亦可以提供單車徑，鼓勵市民善用環保的交通模式。
- 綠化平台與理大的行人通道及單車徑會將毗鄰社區及海旁連接起來，拉近居民和海旁一帶的距離，方便居民欣賞海港景色。
- 綠化平台減少收費廣場對環境造成的影響，及創造一個愉悅及具環保特色的環境，因此，會大規模地改善區內的整體氛圍，提升紅磡站上蓋物業發展的潛力和價值，以及鄰近地區包括尖東及紅磡一帶的私人物業價值。
- 長遠而言，綠化平台連同附近的新世界發展項目，以及港鐵紅磡站一帶的改善工程，將有助活化整個尖東地區。





Recognition from the industry

With its environmentally-friendly features and sustainable benefits, the Green Deck project has been recognized with the Merit Award in Green Building Award 2014 (Research and Planning), jointly organized by Green Building Council and The Professional Green Building Council.

The status

The University has shared this initiative with various policy secretaries, including Secretary for Development, Secretary for Education, Secretary and Under Secretary for Environment, as well as Secretary for Transport and Housing. We have also presented this idea to the Chairman of the Harbourfront Commission and senior management of MTR, and have received positive responses.

This is a significant social project. In view of its scale and complexity, as well as the resources and stakeholders involved, the project can only proceed if it is supported and masterminded by the Government. PolyU is most pleased to get involved and is ready to provide all the necessary support.

業界嘉許

綠化平台項目的環保特色及其可持續裨益，備受欣賞，因而獲得由香港綠色建築議會及環保建築專業議會合辦的2014年環保建築大獎的優異獎（研究及規劃類別）。

現況

理大已向相關政策局的局長介紹方案，包括發展局局長、教育局局長、環境局局長及副局長，以及運輸及房屋局局長。我們亦曾向海濱事務委員會主席及港鐵管理層介紹建議方案，並獲得正面評價。

綠化平台是一個重要的社會項目。由於它規模龐大、工程複雜，並且涉及巨額的資源及眾多持份者，只有政府的支持及推動才可以進行。理大非常樂意參與其中，並準備提供各項所需的支援。

Community engagement

PolyU welcomes views from various stakeholders in the community. Your views count as we pursue this dream for the benefits of the community.

Please send your views to: views.on.greendeck@polyu.edu.hk

社區聯繫

理大歡迎社區內不同持份者提供意見。您的意見將有助我們實現夢想、造福社會。請您透過電郵向我們提出建議。

電郵信箱：views.on.greendeck@polyu.edu.hk