

HOPEWELL Centre

合和中心季刊
Bulletin

城市樹木裝置 CITYTREE

亞洲首座「城市樹木」是合和、JOS、研發該智能空氣淨化裝置及參加了2015年之 Infiniti Accelerator計劃的德國企業Green City Solutions，以及Microsoft香港的合作成果，JOS負責該項目的組裝及技術整合，採用了Microsoft Azure IoT套件支援「城市樹木」的運作。

高三米的「城市樹木」是亞洲首個糅合物聯網和生物科技的空氣淨化裝置，採用了特別的苔蘚和維管植物，可吸收及過濾微細灰塵、氮氧化物(NOx)及其他空氣污染物，從而減輕四周的空氣污染問題。

「城市樹木」將會搜集溫度、濕度和懸浮粒子等環境數據，讓普羅大眾得知「城市樹木」附近的最新污染情況。透過Microsoft Azure IoT套件，經感應器搜集所得的數據會被安全地遙距傳送至Azure IoT中樞。有關數據隨即會由Azure IoT套件記錄、處理和分析，以作減少空氣污染研究之用。「城市樹木」是一個出色的計劃，展示了如何結合創新科技及天然植物從而改善城市環境，提高大眾的生活質素。

The debut of CityTree in Asia comes as a result of infiniti and JOS's partnership with Hopewell Real Estate Agency, Green City Solutions, the German-based company who created this smart air purifying solution and participated in the Infiniti Accelerator program in 2015, and Microsoft Hong Kong. JOS installed and integrated CityTree using Microsoft's Azure Internet of Things (IoT) Suite.

Standing three metres high, the CityTree unit is a pioneering air-purification system combining Internet of Things and biotechnology first installed in Asia. The unit's special moss culture and vascular plants absorb and filter fine dust, nitrogen oxides and other air pollutants to alleviate surrounding air pollution.

CityTree will capture environmental parameters such as temperature, humidity and particulate matter to keep the public informed of the latest pollution levels in the immediate surrounding area. Utilising Microsoft's Azure Internet of Things (IoT) Suite, data collected by the sensors will be transmitted securely and telemetrically to the Azure IoT Hub. The data will then be recorded, processed and analysed by the Azure IoT Suite for air pollution reduction research purposes.

CityTree is a remarkable project, it demonstrates how innovative technology and natural resources can improve urban environment, driving a better quality of life for urban communities in Hong Kong.



FIRST CITYTREE IN ASIA
亞洲首個「城市樹木」裝置



左起：Green City Solutions聯合創辦人兼行政總裁Dénes Honus、合和資產管理有限公司董事梁世先生、JTH Group行政總裁雲達雲先生及Microsoft香港總經理鄧作基先生於灣仔合和中心攜手為亞洲首座「城市樹木」(CityTree)揭幕。From left: Mr Dénes Honus (Green City Solutions' co-founder and CEO), Mr Bruce Leung (Director of Hopewell Asset Management Limited), Mr Eric van der Hoeven (Chief Executive of JTH Group) and Mr Horace Chow (General Manager of Microsoft Hong Kong) jointly debut Asia's first CityTree installed outside Hopewell Centre.



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