

利用虛擬實境推廣

「建築信息模擬－資產管理」系統

Using Virtual Reality to Promote Building Information Modelling – Asset Management System

我們研發的「建築信息模擬－資產管理」系統及相關研究成果，於今年初取得香港專利。其後，我們舉辦研討會和參與科技博覽會，向業界和公眾推廣這項嶄新的維修保養技術，以推動和鼓勵建造業和機電業採用該系統。我們利用虛擬實境技術，提供感官互動體驗，讓參加者可仿如置身實境般，了解該系統的應用。

為協助業界和公眾更容易明白該系統的運作，我們以天水圍醫院作為示範例子，利用頭戴式虛擬實境裝置及電腦屏幕，向參加者展示如何在醫院大樓的不同實境應用「建築信息模擬－資產管理」技術，以提升機電設備的維修保養效率。

今年3月和4月，我們與屋宇設備運行及維修行政人員學會合辦了兩場研討會，業界踴躍參與，多達280人出席。此外，我們在6月先後參與「香港工程師學會創意嘉年華2017」和「樂齡科技博覽暨高峰會」，展示「建築信息模擬－資產管理」系統的技術。業界和市民對此反應熱烈，並讚賞我們利用虛擬實境模式進行講解，令他們對該系統在維修保養工作上的應用留下深刻印象。

目前，政府資訊科技總監辦公室位於長沙灣的政府數據中心大樓、渠務署的馬鞍山污水泵房及建造業議會的零碳天地均計劃採用「建築信息模擬－資產管理」系統。

客戶如欲進一步了解「建築信息模擬－資產管理」系統，或有興趣引入這套維修保養技術，歡迎聯絡高級工程師陳賀賢先生(電話：2808 3593)。

Early this year, our newly developed Building Information Modelling – Asset Management (BIM-AM) System and its related research outcomes were granted a patent in Hong Kong. Since then, we have organised seminars and participated in technology expos to promote this new maintenance technology to the trade and the public, so as to encourage the construction and E&M industries to adopt the system. On these occasions, virtual reality (VR) technology, which provided participants with sensational interactive experiences, was employed to help them understand the application in a reality-like situation.

To help the trade and the public to have a better grasp of the operation of the system, we used Tin Shui Wai Hospital as an example for demonstration. Through VR headsets and computer panels, we showed the participants how the BIM-AM technology was applied in different real scenes in the hospital building to enhance maintenance efficiency of the E&M equipment therein.

In March and April this year, we co-organised two seminars on BIM-AM with the Building Services Operation and Maintenance Executives Society. The response from the trade was overwhelming, with as many as 280 members participated. Besides, we took part in the HKIE Fiesta 2017 and the Gerontech and Innovation Expo cum

Summit in June. Once again, the response from the trade and the public was enthusiastic. They commended us for the use of VR in demonstrating the technology of the BIM-AM System,



參加者戴上虛擬實境的裝置，親身體驗「建築信息模擬－資產管理」技術的應用。
Participants wearing VR devices experience in person the application of the BIM-AM technology.

giving them a deep impression of its application on maintenance work.

At present, the Government Data Centre Complex, located in Cheung Sha Wan, of the Office of the Government Chief Information Officer, the Ma On Shan Sewage Pumping Station of the Drainage Services Department, and the Zero Carbon Building of the Construction Industry Council are planning to adopt the BIM-AM System.

If clients wish to learn more about the BIM-AM System, or are interested in adopting this new maintenance technology, please feel free to contact Mr. Steve Chan, Senior Engineer, at 2808 3593.

機電署攤位所展示的創新科技研究成果，深受市民歡迎。
The innovative work showcased at the EMSD booth is well received by the public.

