Design 設計

The user-friendly smart braille aircraft toilet system
機艙衛生間點字系統簡單易用

BrailleWise, an award-winning aircraft lavatory system, is specially designed not only to provide the visually impaired with physical assistance but also with psychological comfort and dignity.
獲獎飛機衛生間點字系統 BrailleWise 不但協助視障人士使用衛生間設施，而且也讓他們安心和保持尊嚴。

In consideration of and respect for the needs of the visually impaired, Prof. Michael Siu, leader of PolyU’s Public Design Lab., has developed the BrailleWise system, which assists the visually impaired in accessing aircraft lavatories easily and independently. The invention won the Diamond Award in the 2012 Successful Design Awards – China, awarded by the Shanghai Industrial Design Association and Shanghai Creative Industry Centre; the Runner-up Award in the Industrial Design and Technical Concepts category of the 2012 Crystal Cabin Awards held in Hamburg, Germany; the Certificate of Excellence in the International Interior Design category of the Perspective Awards 2012; and Good Design 2012 awarded by the Chicago Athenaeum: Museum of Architecture and Design and the European Centre for Architecture Art Design and Urban Studies.

BrailleWise is suitable for different lavatory settings, and can easily be modified to cater for changing needs. It provides tactile information in a variety of languages on specially designed bars located at the same level. This novel system makes it easy to maintain a hygienic lavatory environment and minimizes the need for Braille information on different surfaces within the toilet cubicle. In contrast to unorganized Braille, which may be difficult, unsafe and unhygienic to touch, BrailleWise allows users to keep their hands clear by avoiding contact with sources of dirt and germs.

BrailleWise constitutes an interlocking modular system that is easy and inexpensive to produce, install and maintain, and it does not negatively affect the appearance of the lavatory. It causes no inconvenience to other passengers and, more importantly, allows the airline to project a caring image. BrailleWise can also be installed in small public toilet cubicles.