



The company has also previously developed indoor navigation systems and audio description technology in cinemas | Photo source [WeWALK](#)

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A COMPUTER VISION-POWERED SMART CANE FOR THE VISUALLY IMPAIRED

 HEALTH & WELLBEING

The cane provides auditory and vibratory alerts, as well as voice assistance

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Takeaway:

More than **two billion people** worldwide live with varied levels of vision impairment, and an estimated two to eight per cent of these individuals use a traditional white cane to support

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activities. WeWALK aims to push the boundaries of what a cane is capable of. The smart cane already creates audio or vibratory alerts for obstacles and directions, as well as checks public transport with the help of the corresponding app. Now, WeWALK is adding “computer vision” to its cane so that it may read road signs and facial recognition. Making technology support such as the smart cane more accessible will be an important part of reducing inequalities between the sighted and visually impaired populations.