

Park and glide

By the end of next year, workers in the CBD can look forward to a new system that parks their cars for them. Developed by engineering firm MHE-Demag, the automated guided vehicle parking system will be in place at the redeveloped Robinson Towers in Robinson Road. Up to 90 cars can be parked using the new system.

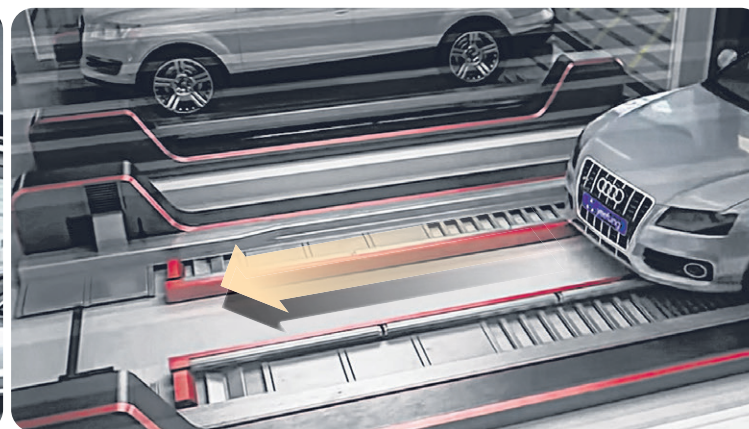


The automated guided vehicle (AGV) is a robotic platform that goes underneath a car to carry, manoeuvre and park the vehicle in randomly determined parking spaces.

HOW THE SYSTEM WORKS



1 Driver drives car into a bay.



2 After getting out of the car, the driver swipes a card at a terminal to confirm his entry.



3 An AGV will collect the car from the bay.



4 Guided by onboard lasers and cameras, as well as markings on the ground, the AGV can avoid obstacles, including other cars.



5 Able to carry cars up to a weight of 2,600kg, the platform will carry the car to an available parking space.



6 When collecting the car, the driver can summon it using a smartphone app.



7 The car will be returned to the bay within two minutes and can be driven off from there.

