## Managing urban airspace

NTU researchers are looking into how Singapore's urban airspace can be open to the safe and efficient flying of drones for commercial or industrial purposes.

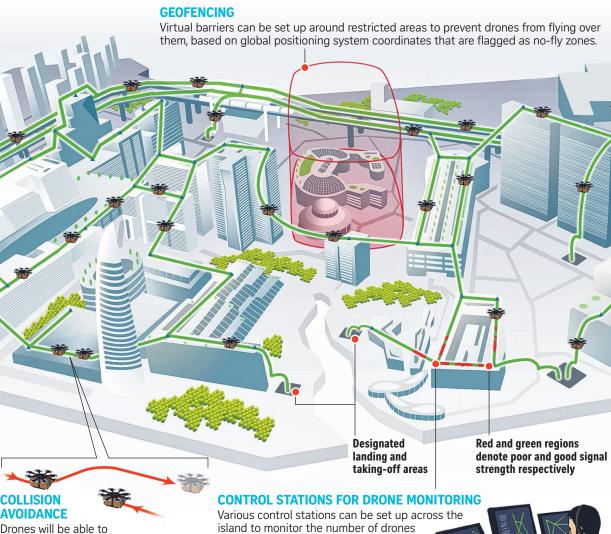
 By dividing the airspace into various air blocks, hundreds of drones can be allocated safe flight paths in various blocks depending on traffic conditions and drone density.

automatically detect potential

collisions and re-route themselves mid-flight to avoid

crashing into each other.

 This, along with features like geofencing, collision avoidance and signal strength monitoring, forms the basis of an aerial traffic management system for drones.



in the air, their speed and traffic flow.

as well as the signal strength between

drones and their operators to ensure

that drones fly safely.

Source: NTU ILLUSTRATION: NTU STRAITS TIMES GRAPHICS