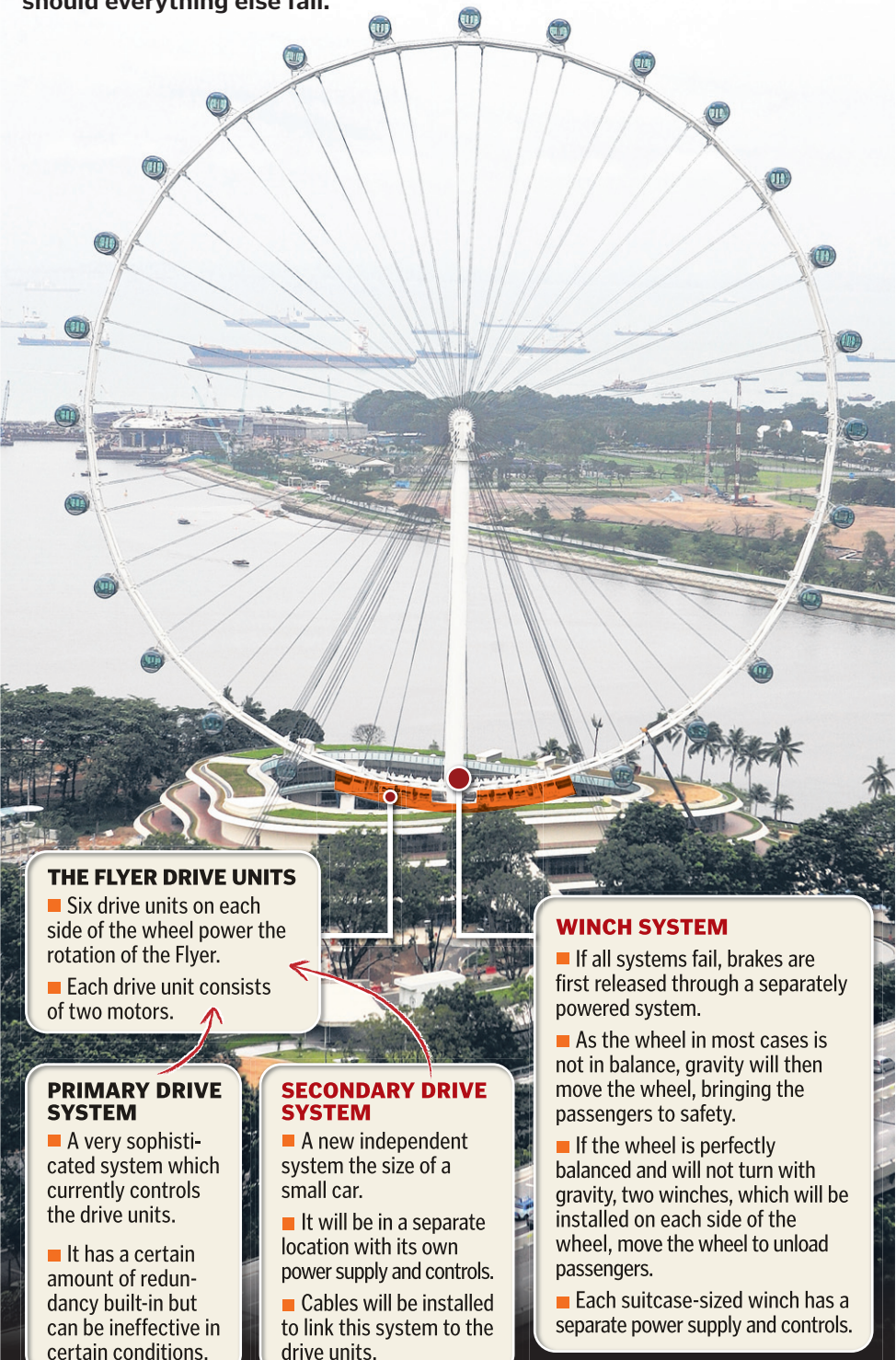


A panel of international experts proposes a new backup system to ensure uninterrupted operations and a winch system to be used as a last resort should everything else fail.



THE FLYER DRIVE UNITS

- Six drive units on each side of the wheel power the rotation of the Flyer.
- Each drive unit consists of two motors.

PRIMARY DRIVE SYSTEM

- A very sophisticated system which currently controls the drive units.
- It has a certain amount of redundancy built-in but can be ineffective in certain conditions.

SECONDARY DRIVE SYSTEM

- A new independent system the size of a small car.
- It will be in a separate location with its own power supply and controls.
- Cables will be installed to link this system to the drive units.

WINCH SYSTEM

- If all systems fail, brakes are first released through a separately powered system.
- As the wheel in most cases is not in balance, gravity will then move the wheel, bringing the passengers to safety.
- If the wheel is perfectly balanced and will not turn with gravity, two winches, which will be installed on each side of the wheel, move the wheel to unload passengers.
- Each suitcase-sized winch has a separate power supply and controls.

Source: SINGAPORE FLYER

PHOTO: MUGILAN RAJASEGERA