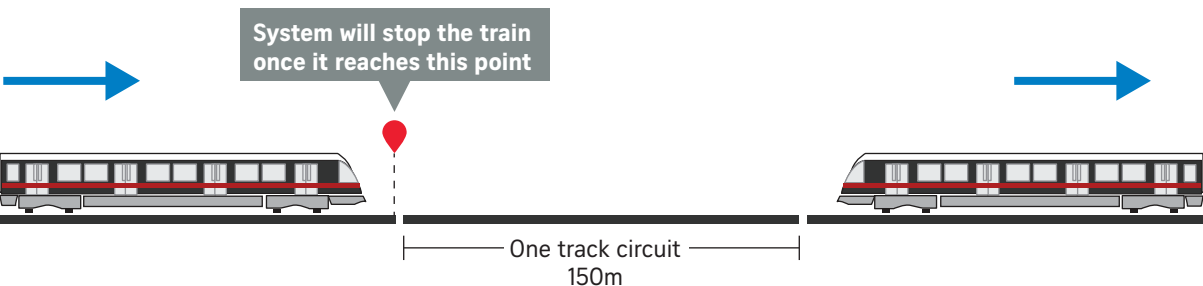


Replacing the existing signalling system

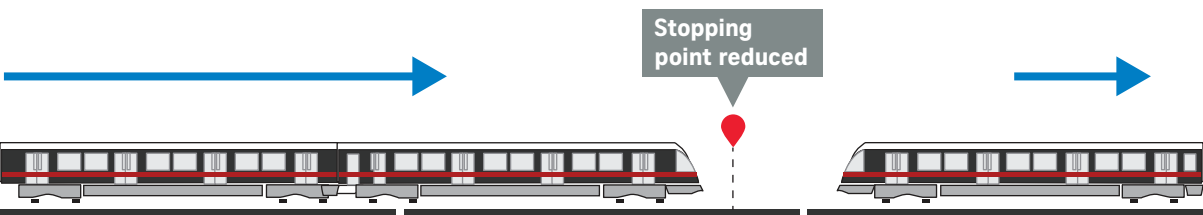
CURRENT SYSTEM

- Fixed-block technology using a speed code system that has been operational since 1987.
- Headway of 120 seconds – there must be a buffer of at least one track circuit (block) between two trains.



NEW SYSTEM

- Moving-block technology using communications-based control.
- Shorter headway of 100 seconds – new systems track the precise location and speed of the train, reducing the safety distance required.
- This translates to more trains and reduced waiting time.



NOTE: Illustration is not to scale

Sources: SMRT, LTA STRAITS TIMES GRAPHICS