November 6, 2024

Press release:

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Construction to Install Platform Doors and Automated Operating Equipment on the Keio Line

Keio Corporation (Head office: Tama-shi, Tokyo; the "Company") hereby announces the decision to install platform doors and automated operating equipment to achieve one-person operation on the Keio Line. The decision was made at the Company's Board of Directors meeting today.

* The decision to install platform doors and automate operation on the Inokashira Line was made at the Board of Directors meeting held on February 5, 2024.

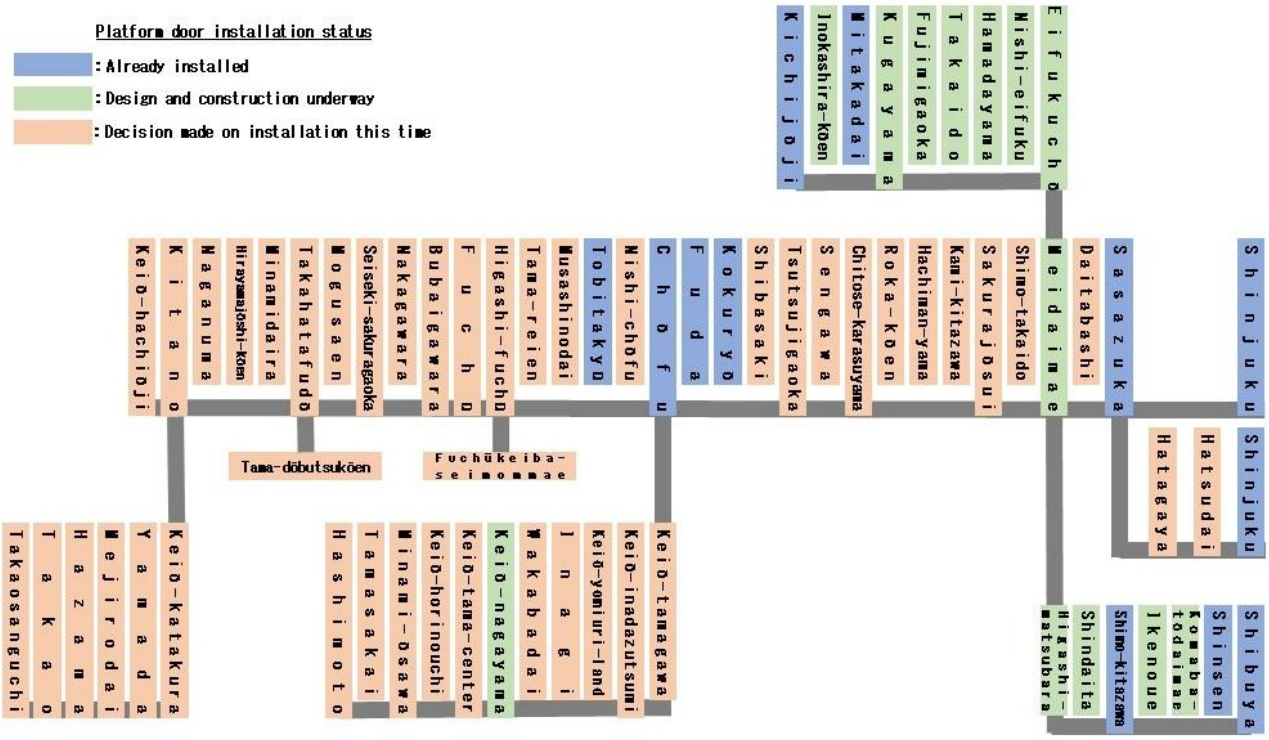
The Company has pursued platform door installation to further improve safety and continues to prioritize installation at stations experiencing passenger traffic of 100,000 people or more per day, stations near to venues for international sports events, and stations on the Inokashira line that have narrow platforms and high transport density.

To further improve the high level of safety and security, we have now decided to install platform doors at all stations on the Keio Line to ensure passenger safety and safe train operation. We are also taking steps to reduce the level difference and gap between the trains and the platforms to make them barrier-free.

Platform door installation will increase safety so we have also decided to begin installing automated operating equipment to automate train operation. By doing so, we aim to achieve a sustainable railway business while ensuring the safety and level of service in railway transport, even in a business environment that will see a progressive decline in the working age population and changing workstyles in the future.

1. Overview of construction to install platform doors

(1) Current status of installation

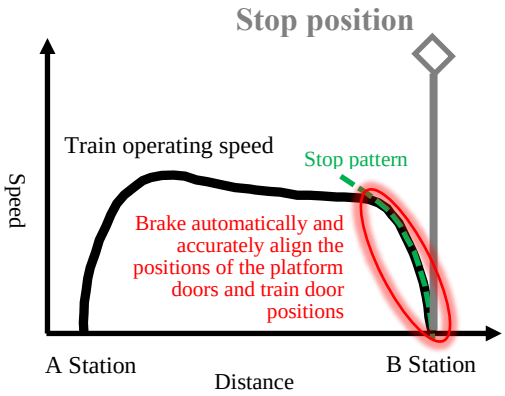


(2) Main equipment installed

Platform doors

Level difference and gap reduction

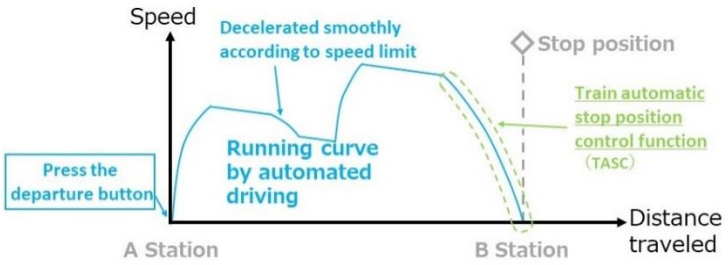
Overview of Train Automatic Stop Control (TASC)



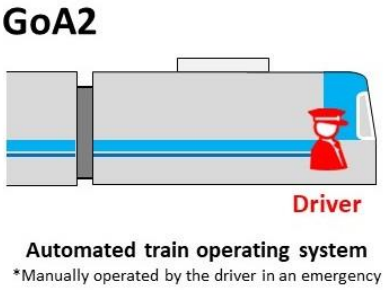
2. Overview of construction to automate operation

(1) Automated driving (diagram)

Envisions automatic acceleration/deceleration of the train when the driver only pushes the departure button.



Automated driving (diagram)

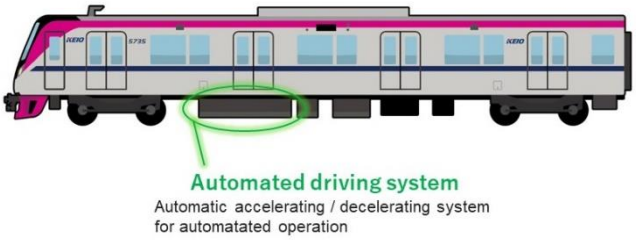


Grade of automation

(2) Explanation of the main automatic operating equipment

A system to accelerate/decelerate the train automatically (including mechanisms that automatically control train starting, acceleration, speed control, and stop position), a departure button, and other equipment are installed on the rolling stock for automated operation.

Rolling stock (illustration)



Driver's Cab (illustration)

3. Project costs assumed by Keio Corporation and construction period

	Inokashira Line (for reference)	Keio Line Newly decided project	Total
Costs to be assumed by Keio Corp. (estimated)	Platform door installation: 7.2 billion yen Installation to automate operation: 4.8 billion yen	Platform door installation: 66.9 billion yen Installation to automate operation: 16.2 billion yen	Total: 74.1 billion yen Total: 21.0 billion yen
	Total cost: 12.0 billion yen	Total cost: 83.1 billion yen	Total: 95.1 billion yen
Construction period	The plan is to begin construction in FY2024 and complete platform door installation during the mid 2020s and automated operation installation in the latter half of the 2020s.	The plan is to begin construction in FY2024 and complete platform door installation in the first half of the 2030s and automated operation installation during the mid 2030s.	

4. Future outlook (significant impact of the equipment on operating and production activities)

While the effects of this project are incorporated into the full-year earnings forecasts announced today, the impact on financial performance in the fiscal year ending March 31, 2025 will be minor. We will promptly disclose any pertinent matters that arise in the future.