



2025 P17	Technology	Technology Development Initiatives
	Advanced Course	



Energy conservation rolling stock



Platform screen doors



Infrastructure

KEY POINT

By learning the process and examples of technology development, you will be able to use them as a reference when doing so.

OVERVIEW

Since the introduction of the world's first energy conservation rolling stock that combines a chopper-controller and a regenerative braking system in 1971, Tokyo Metro has been promoting technical development in various fields.

We will introduce the history of technology development, recent trends, examples of technology development, the process of technology development, and the contents of field tests and introductions.

LECTURE CONTENTS

1) History and recent trends of technology development
- The history of urban railway technology development in the past 50 years and the trend of technology development in recent years
2) Examples of technology development
- Examples of technology development in technical fields (rolling stock, infrastructure, and electrical facilities)
3) Process of technology development
- Processes required for technology development and details of implementation
4) Field test, introduction details
- Contents of field tests and introductions on railway operating lines

KEY DETAILS

Application Period	May 19, 2025 – Mar 31, 2026
Viewable Period	1 month
Targets	Advanced Course: for those who have 3 years or more experience in the railway industry.
Language	English
Location	Online (Vimeo)
Course Duration	1 hour 12 minutes
Course Fee	10,000 JPY (per 1 course) Note: Applications within Japan are subject to the tax separately.
Payment Method	PayPal
Certificate	Attendance Certificate (digital) will be issued.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>
You can apply regardless of your field.