

2025 No. 3	Electrical Facilities 2	Energy Conservation Initiatives
	Advanced Course	



Stationary energy storage system



Station auxiliary power supply unit

KEY POINT

By learning an overview of various energy conservation equipment at Tokyo Metro and the process when considering such equipment, you will be able to use them as a reference when doing so.

OVERVIEW

We will introduce an overview of the various energy conservation equipment installed in Tokyo Metro, and also the sequence of events from the feasibility study to full-scale implementation of the stationary energy storage system and station auxiliary power supply unit for regenerative power equipment.

LECTURE CONTENTS

1) Introduction to energy conservation

- History of energy conservation technologies
- Status of energy consumption

2) Overview of various examples of energy conservation equipment

- Regenerative power equipment (Stationary energy storage system, Inverter for regenerative electric power, Station auxiliary power supply unit)
- Equipment for effective use of renewable energy (Solar power generation system, etc.)
- Energy conservation equipment

3) Technological development of energy conservation equipment

- From feasibility study to full-scale implementation of stationary energy storage system
- From feasibility study to full-scale implementation of station auxiliary power supply unit

4) Trend of energy conservation technologies

- Recent energy conservation related technological trends in the railway sector

KEY DETAILS

Dates and Times	January 28 and 30, 2025 (The same content will be presented on each day.) -January 28, 2025, 5:00 p.m. JST / 9:00 a.m. CET / 3:00 a.m. EST <Duration: 2 hours> -January 30, 2025, 9:00 a.m. JST / 1:00 a.m. CET / 7:00 p.m. (29th) EST <Duration: 2 hours>
Targets	Advanced Course: for those who have 3 years or more experience in the railway industry.
Location	Online (Microsoft Teams)
Language	English
Lecture Fee	20,000 JPY (per day) Note: Applications within Japan are subject to the tax separately. * Cut-off date: Please apply at least one business day before each lecture in order to receive related-materials by email in advance.
Certificate	Attendance Certificate (digital) will be issued.

LECTURER



YOSHIKI SHIMIZU

Joined 2006. Engaged in planning, design, and maintenance of railway facilities, introduction of new technologies, and international procurement of goods. He acted as the test manager for the field test for the introduction of the stationary energy storage system for emergency driving.

More Info and application



<https://sites.google.com/tokyometroacademy.com/index>

You can apply regardless of your field.