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Who funded the insulated storage system for DC railway electrification system?
This research was funded by the French Agency for Ecological Transition (ADEME)in the frame of the project INSTODRES: INsulated STOrage system for Dc Railway Electrification System. The data presented in this study are available on request from the corresponding author.

How to select energy storage media suitable for electrified railway power supply system?
In a word, the principles for selecting energy storage media suitable for electrified railway power supply system are as follows: (1) high energy density and high-power density; (2) High number of cycles and long service life; (3) High safety; (4) Fast response and no memory effect; (5) Light weight and small size.

Can energy storage technologies be integrated into railway systems?
The wide array of available technologies provides a range of options to suit specific applications within the railway domain. This review thoroughly describes the operational mechanisms and distinctive properties of energy storage technologies that can be integrated into railway systems.

Are supercapacitors and flywheels suitable for wayside energy storage systems?
Based on their established operational maturity and performance,supercapacitors and flywheels are recommended for wayside energy storage systems. The insights from the analysis are supported by real-world examples of energy storage systems implementations in railway systems worldwide. 1. Introduction

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