

Low-noise energy management system for subway applications

In addition to incorporating noise reduction techniques for new fan plants and substations, NYCT Transit has added silencers and vibration isolators to a number of existing above-ground fan plants to ...

This paper proposes a novel energy management strategy (EMS) of an onboard supercapacitor (SC) for subway applications with a permanent-magnet (PM) traction system.

Discover the key factors affecting energy use and the future opportunities for enhancing energy efficiency in subways, ensuring a greener and ...

The goal is to establish a simulation platform that more closely approximates actual subway operating conditions, thereby advancing the application research of superconducting energy ...

Flexible Sophisticated load sharing with DEIF For applications with several sources of energy, BESSTIE comes with DEIF controller that enables you to put in place sophisticated power management ...

Within this context, the aim of this paper is to present a novel, advanced intelligent energy management system for underground stations. Autonomous building system control is ...

In this perspective, the EU-funded R& D project SEAM4US (Sustainable Energy Management for Underground Stations) is aimed at defining a technological and methodological framework for ...

How to Select a Motor for Swing Barrier System Selecting the right motor for a swing barrier system directly affects operating stability, opening speed, energy efficiency, maintenance interval, ...

Discover the key factors affecting energy use and the future opportunities for enhancing energy efficiency in subways, ensuring a greener and more efficient public transportation system.

We have presented a subway station energy system, with a battery recovering trains braking and smart control of the ventilations. We have investigated methods to develop and implement an Energy ...

Optimize comfort and efficiency with HVAC noise control solutions for airports and subway stations. Learn about silencers, vibration isolation, and airflow design for high-traffic transit ...



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