Origin Energy Road-Rail Intermodal Station Energy

We observe a significant increase in research addressing decarbonization since 2018, driven by regulatory pressures and technological advancements. Our integrated analysis is organized ...

Intermodal transport plays a crucial role in mitigating carbon emissions within the transportation sector. This study introduces an intermodal transport network planning scheme ...

The study focuses solely on the internal energy demand of a railway station, with the assumption that the energy required for train operations is supplied through traction ...

Multiple startups in North America are working to develop battery-powered autonomous rail vehicles in the mold of SPARCs. Parallel systems is targeting the intermodal ...

It models the delivery of energy from the fuel source to the wheel-rail interface via the intermediate DC bus. It reports temporal trends in speed, acceleration, tractive effort, throttle position, ...

These locomotives are deployed in Class I, Regional (Class II), and Short-Line (Class III) line-haul and rail yard operations, along with intercity passenger rail, commuter rail, and light-rail and ...

This case study, based on the pre-designs of intermodal terminals along new railway lines carried out by the CPK Company, ...

Using zero-emission electricity rather than fossil-fuel-based electricity to power buildings, electric vehicles, and facility fleets can ...

Multiple startups in North America are working to develop battery-powered autonomous rail vehicles in the

mold of SPARCs. ...

Using zero-emission electricity rather than fossil-fuel-based electricity to power buildings, electric vehicles, and facility fleets can significantly reduce a rail facility"s carbon ...

Our focus is freight rail as they consume the most fuels. To bring together experts from relevant rail industry, academia, and government agencies backgrounds to review the decarbonization ...

This paper reviews the potential of incorporating renewable energy technologies such as solar, wind, bioenergy, and kinetic energy recovery into railway infrastructure.

This case study, based on the pre-designs of intermodal terminals along new railway lines carried out by the CPK Company, demonstrates the practical application of ...

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