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 around ...

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 footprint. But it"s not ...

Therefore, the purpose of this thesis is to explore the internal and external factors influencing the capacity of road-rail intermodal terminals, and to describe the tools that could be used to calculate ...

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 ...

Newly introduced: energy consumption by tractive vehicles for Infrastructure maintenance

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, power delivery, ...

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 calculations to ...

Potential benefits of consolidation strategies in intermodal freight are assessed. A new solution method based on Lagrangian relaxation and inequalities is developed. Intermodal freight ...

Modal shift from road to rail is one of a number of proposed strategies for reducing emissions, and intermodal transport o ers shippers an attractive alternative to truckload service. Unfortunately little ...

We identify which factors influence shippers" mode choices, and we discuss the greatest barriers to increasing the share of rail, water and intermodal freight transportation. We conclude that ...

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