

عنوان مقاله:

The environmental impact of rail transportation

محل انتشار:

اولین کنفرانس بین المللی معماری، شهرسازی، عمران و محیط زیست (سال: 1400)

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خلاصه مقاله:

The environmental effect of the studies venture focused on acoustic homes of lightweight systems for use in rail vehicles is investigated. The Environmental impact of rail transport is as compared to that of avenue and air delivery. The environmental effect of various trains are then as compared the usage of published information within the form of standardized Environmental Product Declarations (EPD), summarizing life Cycle evaluation (LCA) results. Because the EPDs are made for a positive teach in a specific operation on a special market, it is tough to examine the environmental effect for trains in distinctive varieties of operations. Despite this it's far clean that comfort requirements including acoustics drives weight boom, and that a lower of general educate weight does have a tremendous impact on the strength intake. Additionally the mode of strength technology for the educate operation has an effect. There may be a large difference in environmental effect between markets with hydropower generated strength and people who've to rely upon power generated with the aid of fossil fuels. The conclusion is that research on how to improve acoustic residences, including sound transmission loss, with a minimal growth of weight, does make a contribution to .creating an environmental pleasant mode of shipping more aggressive in comparison to road and air delivery

کلمات کلیدی:

Rail transportation, environmental impact, Energy consumption, EPD, LCA, ecology

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