

Solar Energised Transport Solution for Slovenia – A Sustainable Solution

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Abstract—Slovenia is confronted with problems of city transportation. Fossil-fuel based transport poses two major problems – local and global pollution, and dwindling supplies and ever increasing costs. An elegant solution is to gradually replace the present automobile fleet with electric vehicles (EVs).

The main goal of this article is to review the energetic and environmental impact of the transportation sector in Slovenia, assess the propulsion energy requirement of automobiles for a small town's fleet and then determine the benefits of replacing a proportion of the conventional fleet with electric vehicles.

Key words—Slovenia, Electric vehicles, Solar photovoltaic, Sustainable transport, Urban Transportation.

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