

Design and simulation of a 4-seat electric car

Le Quang Dong

Abstract: In the context of increasing urban transportation demand, this topic focuses on the design and simulation of an electric car model capable of carrying 4 people. The main objective of the project is to study the technical and technological factors necessary to effectively develop an electric vehicle. The approach includes both theoretical and experimental methods, from market analysis to physical model testing. Through this process, the topic expects to provide innovative solutions to the issues of emissions and clean energy in the automotive industry, while contributing to the sustainable development of urban areas.

Keywords: Electric vehicles, vehicle design, simulation, sustainable mobility, urban transportation