البحث الخامس

A sustainable planning approach to resolving transportation hub problems in Egyptian cities “proposed measurement matrix”

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Authors
Waleed Hussein Ali Hussein

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The research study discusses the environmental aspects of automated and pedestrian transport that need to be addressed when devising general and detailed urban plans, particularly for new urban conglomerations. It describes the adverse effects resulting from motor vehicles dominating roads and highways, including environmental hazards such as air and noise pollution, and identifies environmental concerns to be taken into account in the planning of automated and pedestrian traffic routes and parking spaces and underlines the need for upgrading transport and traffic policies in new urban conglomerates. The study focuses on environmental issues that can be resolved through the application of laws, policies and implementation mechanisms. It also identifies environmental considerations that should be included in all general urbanization plans, pointing out that the review of these issues by environment experts (before and during plan implementation) is a key developmental approach to resolving transportation hub problems in Egypt. In addition, the study presents an account of the components and basic principles of transportation hub design and the international criteria used in assessing the sustainability of transport routes. Local and international examples of sustainable transportation hubs are used as a reference to help in formulating the principal findings and conclusions that constitute the developmental approach to resolving this problem.