

Syrian Arab Republic
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**Reinforce Green Logistics by Raising The Efficiency Of Urban
Transport In Central Cities**

case study: Damascus

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ABSTRACT

The issue of sustainable development is given a special priority when drawing public policies in city planning, especially the planning of public transportation systems. However, cities in developing countries are still captive to their infrastructure networks, which have not developed to accommodate public transportation and its logistical requirements. Hence the trend towards private cars and thus neglecting the concept of green logistics. From this point of view, a study was developed based on the definition of the concepts of sustainability, public transport in cities, urban logistics and green logistics. After words studying international and Arab experiences helped reach the construction of the pillars and determinants of the methodology for upgrading the public transport system, which is represented by the axes of movement, means of transportation, parking points and interchange points. These four axes have achieved the SDGs, especially Goal 11. Here we have identified the green pillars for the development of public transport in cities; and based on these pillars, a methodology for upgrading the public transport system through five stages: (Diagnosis), (Scenario Selection), (Study and Design), (Implementation), (Monitoring and Evaluation) was established. In addition, relying mainly on two indicators for establishing green logistics in the public transportation system, namely operational effectiveness level (OEL) index of the public transportation system, and the green logistics performance (GLP) index in the system. We have developed the methodology for upgrading public transportation networks in major cities. It is implemented through three main integrated and overlapping time frames (short, medium and long term), In order to localize the principles of green logistics on the public transport system accurately. Thus, it reaches a sustainable and flexible green public transport system that accomplishes the most important results and recommendations for city planners and decision makers. All of which helps upgrading public transport systems to achieve effectiveness, efficiency and excellence in their operations.

Keywords: Green logistics, Urban logistics, Metropolitan city, Urban transportation, Sustainable city.