

Empowering Egyptian Neighbourhoods with the 15-Minute City Concept

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Abstract. Car dependency has become a significant challenge in Egypt, especially in big cities due to high vehicle density, lack of public transport, and inefficient traffic management. The 15-minute city is an urban planning concept that aims to create self-sufficient neighbourhoods with essential services such as shopping, healthcare and education are within a 15-minute walk or bike ride from home. Hence, this study adopted a comparative case study methodology to compare two cities that adopt this model in terms of urban design, infrastructure mobility, and implementation policy. The research aims to successfully implementing the concept in Egyptian neighbourhoods ensuring accessibility and walkability. The results of the research successfully developed guidelines to implement this planning strategy, focusing on 5 key phases: Assessment and Planning, Initiatives Phase, Identifying Areas of Need, Creating an Action Plan, and Monitor and Maintenance.

Keywords: Car dependency; 15-Minute City; Walkability

