Case study of Dubai as a Smart City

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Abstract

Recently, the world has witnessed a major development in information and communication technology in all areas of life. Cities have become unable to meet the needs of their inhabitants due to the huge increase in the population. In order to save these cities from their problems and give hope to their inhabitants, different non traditional solutions appeared to manage these cities and reduce the size of their problems. Among these solutions is the idea of Smart City, which sought to exploit the high-capacity modern means of communication to improve the lives of the inhabitants of these cities. By connecting all components of life in cities with high-speed wired and wireless networks in the transmission of information, which positive impacts such as reducing energy consumption and reducing carbon dioxide emissions and other solutions that have effectively contributed to raising the quality of life in some crowded cities.

In this research, I reviewed the experience of Dubai along with key pillars and phases and its transformation from a desert legend to the first smart city in the Middle East.
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Index Terms

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Keywords

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