

Towards a Smart and Sustainable City Through Smart Urban Mobiles in an Arid Region

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Abstract:

As environmental issues increasingly arise in cities, this article aims to integrate the use of intelligent urban furniture for the creation of a smart city with sustainable infrastructure, in an arid region that is growing and marked by profound inequalities. In this work, we combining a social survey with an observation grid, brings out the contradictions between the intentions of urban planners, the practices of residents, and the resulting ecological functionalities. This work presents a multidisciplinary analysis of an existing neighborhood, with inadequate planning to meet the needs of the residents. This example thus proves to be a particularly rich area for testing this new model of ecological town planning. The results obtained can give us an eco-district that uses and integrates new information and communications technologies into its different sectors with the aim of optimizing the use of existing infrastructure. Whether in terms of transport, buildings, governance or the environment, new technologies can help respond to current urban challenges.

Keywords:

Intelligent urban furniture, sustainable development, arid region, new information and communications technologies, urban development.