

## Adaptation of Smart City Concept in Africa: Localization, Relevance and Bottleneck

**Authors :** Adeleye Johnson Adelagunayeja

**Abstract :** The concept of making cities, communities, and neighborhoods smart, intelligent, and responsive is relatively new to Africa and its urban renewal agencies. Efforts must be made by relevant agencies to begin a holistic review of the implementation of infrastructural facilities and urban renewal methodologies that will revolve around the appreciation and application of artificial intelligence. The propagation of the ideals and benefits of the smart city concept are key factors that can encourage governments of African nations, the African Union, and other regional organizations in Africa to embrace the ideology. The ability of this smart city concept to curb insecurities – armed robbery, assassination, terrorism, and civil disorder – is one major reason, amongst others, why African governments must speedily embrace this contemporary developmental concept whose time has come! The seamlessness to access information and virtually cross-pollinate ideas with people living in already established smart cities, when combined with the great efficiency that the emergence of smart cities brings with it, are other reasons why Africa must come up with action plans that can enable the existing cities to metamorphose into smart cities. Innovations will be required to enable Africa to develop a smart city concept that will be compatible with the basic patterns of livelihood because the essence of the smart city evolution is to make life better for people to co-exist, to be productive and to enjoy standard infrastructural facilities. This research paper enumerates the multifaceted adaptive factors that have the potentials of making the adoption of smartcity concept in Africa seamless. It also proffers solutions to potential bottlenecks capable of undermining the execution of the smart city concept in Africa.

**Keywords :** smartcity compactibility innovation Africa government evolution, Africa as global village member, evolution in Africa, ways to make Africa adopt smartcity, localizing smartcity concept in Africa, bottleneck to smartcity developmet in Africa

**Conference Title :** ICSCDPC 2024 : International Conference on Smart City Design, Planning and Construction

**Conference Location :** Riga, Latvia

**Conference Dates :** June 20-21, 2024