The Smart Communication within Crowdy Streets – Intelligent Parking of Romania

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ABSTRACT

According to our studies carried out in the time interval 2021-2022 in the cities of Timișoara and Bucharest, we found that local public administrations can manage more efficient resources called "Public Parking". In the two cities, more than 30% of the traffic is generated by people looking for a parking space. Moreover, statistics show that from 30% to 70% of parking spaces on public roads are occupied without payment. ZTE's smart parking solution aimed to solve such problems by reducing traffic congestion and increasing revenue to the local budget. The big metropolises are "forced" to apply scientific methods to face the new challenges of the third decade of the 21st century by directing investments in the "intelligence of cities". This happens through an assumed policy regarding the digitization of work processes and here we refer in particular to land communication routes, vehicles and parking spaces but we do not neglect traffic and its safety, logistics, the city's energy system, citizens and not in lastly environmental protection. Information technology is the key to success in transforming a poorly effective management policy through its rigidity to an era of integrating the component subsystems of a big city alongside a perception that includes, above all, attracting external funds and investments.

Keywords: Bucharest Smart Parking solution, Smart City of Romania, Smart City, parking management