

Smart Parking Systems



Authors: IMTM, Montenegro

Background

The Smart Parking System in Podgorica, launched in 2018, addresses **parking challenges** using sensors and digital technology to help drivers locate available parking spaces in real-time. Two automated parking lots have been installed on key boulevards, with more planned. The system integrates with a mobile app for reserving spots and cashless payments. 20 information LED boards across the city display available parking, with more coming this year. **This initiative, part of Podgorica's smart city strategy, aims to reduce traffic congestion and improve urban mobility by 2030.**

Goals:

- Promote sustainable urban mobility through smart infrastructure
- Reduce traffic congestion by minimizing the time spent searching for parking
- Decrease CO2 emissions by optimizing parking availability and reducing unnecessary driving
- Enhance citizen convenience and urban life quality through advanced digital solutions

The Smart Parking Systems project can be replicated in other cities within the Danube region facing similar urban mobility challenges. The system's scalability, relatively low infrastructure requirements, and positive impact on traffic management make it a feasible model for other medium-sized cities.

**Applicability
in the wider
Danube
region**

Integration with other smart city initiatives, e.g., public transport could further enhance its impact

Continuous monitoring of the system's effectiveness and user satisfaction is recommended for optimization

