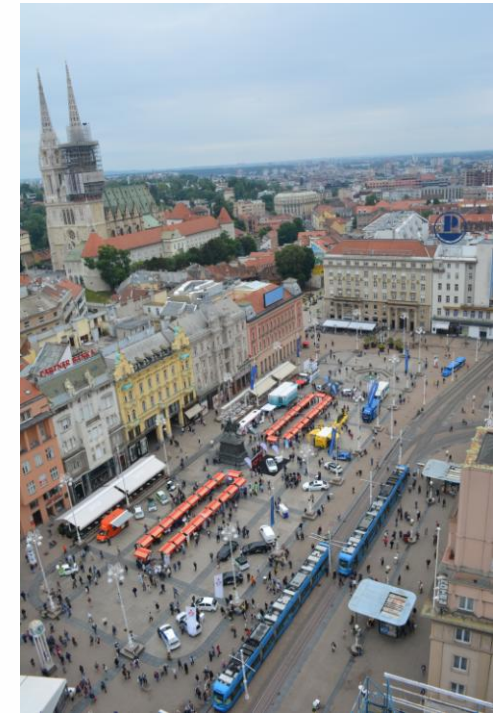


Objectives

The main goal is to promote significance of environmental protection as well as be good example to others regarding finding the best solutions for inadequate public transport. Also, this activity aims to improve energy efficiency and decrease greenhouse gas emission. The proactive energy policy of the City of Zagreb has set high targets in order to meet the obligations set out in the Covenant of Mayors and the Sustainable energy action plan of the City of Zagreb to reduce CO₂ emissions by 21% through the application of energy efficiency measures and the use of renewable energy sources by the year 2020.



Methodology

1. Ensuring financial sources for the renewal of public transport
2. Performing public tenders for the purpose of purchasing new low floor trams
3. Performing public tenders for the purpose of purchasing new buses running on biodiesel
4. Continuous monitoring and evaluation of the vehicles and achieved savings



Barriers

The main barrier refers to the long administrative process of providing possibility to purchase new low floor trams and buses in order to ensure transport that is environmental friendly. This barrier can be overcome by creating better preconditions for the process of the implementation.



Benefits/Results

The use of the aforementioned buses and low floored trams in public transportation helps preserve the environment as the buses use ecologically ideal propulsion fuel. The combustion of natural gas in the motor does not cause emission of harmful particulates and the exhaust gases are odorless. Regulated expulsion of nitrous oxide (NOx), hydrocarbon (HC) and carbon oxide (CO) has been reduced to low levels.



Alongside ecological benefits, the use of such buses generates savings on the fuel price as well, which is not negligible, especially considering the financial situation of the city transport system. As compared to diesel propelled buses, the use of these buses generates savings of fuel up to 20%. As of January 3, 2014, the natural gas filling station for buses, located in Podsused, has been in operation. To fill a tank used to take 50 minutes on the old filling station, while the new one requires only 5 – 10 minutes.



THANK YOU

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