



Revamping of public lighting

THE CITY OF ZAGREB



Objectives

The project of public lighting modernization aims at ensuring high quality lights for streets and reducing cost for electricity of the city. The goal is to provide significant energy savings on the city level and to reduce negative influence that has been reached by using inefficient source of lightning.



Methodology

1. Ensuring the financial sources for the renewal of public lighting
2. Developing an initial evaluation (work plan) necessary for the assessment of the most adequate location for the implementation of the new public lighting
3. Performing public tender for revamping public lighting
4. Signing contracts with the contractors
5. Implementation of the public lighting revamping process



Financial resources

The City of Zagreb and HEP ESCO performed the first phase of the pilot project in the field of energy efficiency regarding public lighting in the City of Zagreb. The total value of the project's first phase is 460.000 €. The modernization covered two transportation routes, Dubrovnik Avenue with high savings potential and the street Zeleni val which presented an architectural challenge.



Barriers

The barriers are visible through the process of finding the most adequate location for the implementation of the new energy efficient public lightning. The mentioned barrier can be overcome by ensuring the detailed initial evaluation of the City of Zagreb streets which is necessary for the assessment of the most appropriate location in order to ensure the implementation of the aforementioned pilot project.



Benefits/Results

The project of revamping of public lighting contributed to great savings and excellent infrastructure. Also, the City of Zagreb benefited from increased traffic safety as well as much more beautiful streets and preserved environment.

After the end of this pilot project, the following results will be achieved:

- lower power installed for public lighting,
- better lighting specification of lamps,
- lower costs of services of public lighting,
- lower luminous pollution,
- lower emissions of CO₂ into the atmosphere.



THANK YOU

Contact: melita.boric@zagreb.hr (CZG)

