

Energy concept summary

Title of the energy concept: Saving energy efficiency of public lighting in the municipality of Radovich

Topic area choice and topic marking in blue:

- () **Building** e.g. Insulation, change of windows, Low-energy-buildings
- () **Electrical energy** e.g. Light, Compressed air, Electrical drives, Cooling machines, Load management
- () **Heat** e.g. Heating, Process heat, Heat recovery, Air conditioning, Combined heat & power
- () **Renewable energy** e.g. Solar technology, Wood-fired plants, Biogas, Geothermal energy
- () **Management** e.g. Energy buying, Contracting, Emission trade, Energy data management systems



Ljupcho Evtimov

Company: Municipality of Radovich

Branch and NACE-Code(s):

Products/Services:

No of employees: 60

Participant in EUREM No.:

Name of energy concept producer: Ljupcho Evtimov

Energy concept description:

The existing lighting is old, unefficient and partly damaged. With instalation of a new high presure natrium lights about 50% savings for electrical energy will be made as well as savings in CO₂ gas emission, the visual comfort will be increased.

Picture(s) of plant, Base situation etc.



Results:

Energy saving potential [kWh/a]: 493.000 kWh/a

Energy source: Electrical energy

Cost reduction potential [Euro/year]: 59.000 €/a

CO₂- saving potential [t/a]: 1 685 t/a (0.95)

(please fill in conversion factor: xy kg CO₂ per kWh)

Investment costs [Euro]: 253.000 €

Pay-back time [Years]: 4.5 years

Chance of implementation:

high middle low

or date of implementation