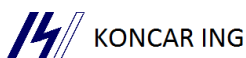


## Energy concept summary

**Title of the energy concept:** Lighting systems change in the production of the factory "HITECH"

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



Company: HITECH Skopje Macedonia  
 Branch and NACE-Code(s):26.12  
 Products/Services:Production of printed circuit boards  
 No of employees: 180  
 Participant in EUREM No.:  
 Name of energy concept producer: Ilika Manik

### Energy concept description:

The existing lighting is old, energy unefficient and partly out of order. With instalation of a new fluorecent energy efficient lighting about 40% savings for electrical energy will be made as well as savings in CO<sub>2</sub> gas emission, the visual comfort and working conditions will be increased.

### Picture(s) of plant, Base situation etc.



### Results:

Energy saving potential [kWh/a]: 86.000 kWh/a  
 Energy source: Electrical energy  
 Cost reduction potential [Euro/year]: 6.000 €/a  
 CO<sub>2</sub>- saving potential [t/a]: 81.7 t/a  
 (please fill in conversion factor: 0.95 kg CO<sub>2</sub> per kWh)

Investment costs [Euro]: 17.000 €  
 Pay-back time [Years]: 2.2 years  
 Chance of implementation:  
 ( ) high (X) middle ( ) low  
 or date of implementation