

Energy concept summary

Title of the energy concept: Building Energy Audit and Energy Efficiency Recommendations

Topic area choice and topic marking in blue:

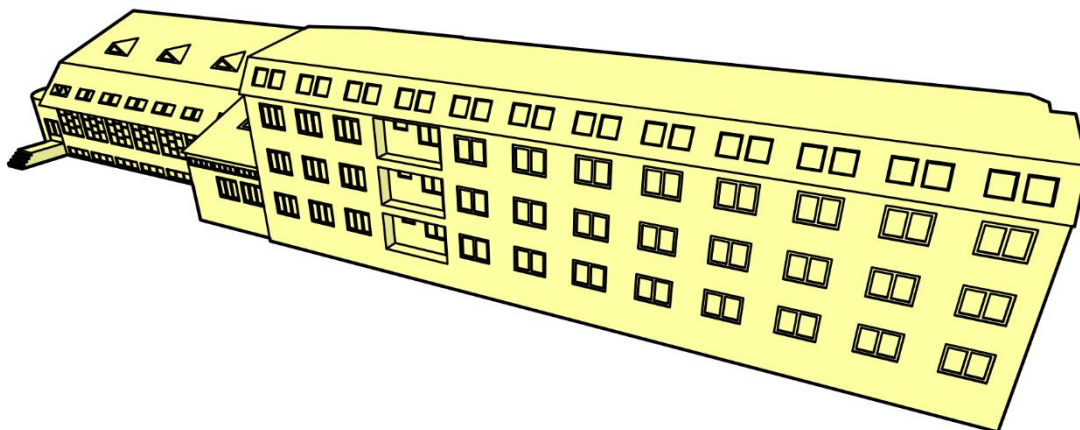
- (X) **Building** e.g. Insulation, change of windows, Low-energy-buildings
- (X) **Electrical energy** e.g. Light, Compressed air, Electrical drives, Cooling machines, Load management
- (X) **Heat** e.g. Heating, Process heat, Heat recovery, Air conditioning, Combined heat & power
- (X) **Renewable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



Company: School Dormant Building „Mirka Ginova“ - Bitola
 Branch and NACE-Code(s):
 Products/Services:
 No of employees: 26 (up to 270 guests)
 Name of energy concept producer: Tome Ivanovski
 Participant in EUREM No.:
 Contact: +38976587047 tomica2k@yahoo.com

Energy concept description:

Regarding the usage of this building and it's year of construction, an energy audit was done to gather necessary informations and to give recomendations for improving the energy effidency of the object. Note that some of the data were calculated directly, using ENSI Software and acording to this, certain improvement recomendations are given.



Results (with full implementation of measures):

Energy saving potential [kWh/a]: 315.000
 Energy source: solar, geothermal
 Cost reduction potential [Euro/year]: 27.000
 CO₂- saving potential [t/a]: 104
 (please fill in conversion factor: xy kg CO₂ per kWh)

Investment costs [Euro]: 160.000
 Pay-back time [Years]: 6
 Chance of implementation:
 () high (X) middle () low
 or date of implementation