

## LEADING AIMS

- Going easy on resources using alternative energy sources (saving primary energy)
- Supplying all the households with low priced energy and hot water
- Air-conditioning of public buildings
- Improving the air quality

## ANALYSIS OF THE CURRENT SITUATION

The settlement is situated partly on the territory of the old landfill and is bordering on the new one. The concentration of methane, which comes to existence through the rotting process on the landfill, is rather big and engender sickness and regurgitation particularly by the children. It's being attempted to burn the methane gas but the strong wind and rain are putting out the fires over and over again.

3.000 huts have got a regular electrical connection and 1500 households are branching off their electricity from them illegal – power failure, risk of short-circuit, burning cables and overloading of the electric net are the results. Furthermore the improperly laying cables inhibit the entranceways for the garbage collection.

## METHODS OF RESOLUTION

- Usage of cogenerator for producing electricity, with the methane gas from the landfill as an energy source
- Usage of the waste heat from the motors for heating service water

