

**BEST
PRACTICE**



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Solar Thermal Municipality System

Alba Iulia, Romania – 63 600 inhabitants

Smart city –Solar thermal



Alba Iulia is the first local authority in Romania to devise a production capacity of renewable energy using photovoltaic and solar panels.

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Project in a Nutshell

The project is financed by the European Union (through the structural funds) and the Romanian Government, for an amount of over 8.8 million lei (around €1.7 million). It consisted in the installation of 1,714 photovoltaic panels atop of four public buildings, linking them with the national energy system.

Impact & Next steps

The implementation of solar thermal systems will reduce electricity costs in selected locations with over 80%. The total installed capacity of photovoltaic panels will be of 257 kW and energy production will be of 303,280 kWh/year. 500 tonnes/year of CO2 emissions reduction are also expected as a result of this project.

Replicability: Challenges & Success Factors

The Municipality of Alba Iulia is a dynamic public administration, willing to think long-term and invest in RES to ensure a better future for its citizens. Another important point is that in order to access EU funds, it is necessary to have well prepared personnel to take care of the procedural aspect but also the implementation. Alba county has its own energy agency, ALEA, which provides support to local authorities in this field.

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