

MENERGERS

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MUNICIPALITY OF SÂNTU GHEORGHE/ SEPSISZENTGYÖRGY

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Municipality Sfântu Gheorghe

- The municipality of Sfântu Gheorghe is located in the southeastern part of Covasna county, in the Sfântu Gheorghe depression, a depression of tectonic origin, bordered by the Olt river, the Negru river and the Bodoc mountains.
- The average altitude in the area of the Municipality of Sfântu Gheorghe is 520 m.
- The climate of the territory where the municipality is located is continental-moderate with summers relatively rich in precipitation and cold winters with rare blizzards.
- Sfântu Gheorghe, as the centre for Covasna County has the role of coordination and harmonization of development in the county territory.
- The total surface area of the administrative territory of Sfântu Gheorghe city is 7,264, 12 ha.
- The number of inhabitants (2022), according to Directorate statistical data Covasna Statistics County: 50,080 inhabitants.

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Our objectives as Municipality of Sfântu Gheorghe

- Reducing energy waste
- Efficient use of energy in all types of urban activities
- Promoting green energy production at local level
- Informing and motivating citizens, companies or other interested parties at the level of the urban community regarding the efficient use of energy
- Updating and implementing of the Energy Efficiency Improvement Program for the Municipality of Sfântu Gheorghe

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The energy efficiency impact in Sfântu Gheorghe

- Stationary energy intervention
- Public lighting
- Transport
- Renewable energy generation

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STATIONARY ENERGY INTERVENTION

-Thermal rehabilitation and modernization of educational institutions:

- 3 projects completed
- 12 projects under implementation

-Thermal rehabilitation of residential buildings

- 25 projects under implementation



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STATIONARY ENERGY INTERVENTION

- **Construction of nZEB houses** , having the function of employee housing for specialists in the field of health and education. The project envisions the construction of two nZEB housing district in the city, with 96 apartments each, 96 parking spaces with recessed wiring for electric vehicle recharging, and 20 parking spaces with electric vehicle recharging stations.
- **Development of an intelligent energy management system** .

It is a complex universal system, hardware and software for energy monitoring, with the aim of controlling and regulating energy use processes to increase energy efficiency and explore potential savings. Smart metering allows us to obtain processed data in real time to improve energy efficiency and thus increase the energy security



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RENEWABLE ENERGY GENERATION

- **Extension of the solar park in the outskirts of the city.**

In the vicinity of the city of Sfântu Gheorghe is the city's solar park, the system of renewable energy plants, which produces renewable electricity. There are 9.600 solar panels on 6 hectares of land, which generate electricity, with an average annual energy production of 3000MWh. The city plans to expand the solar park, to be developed in a new location, in the industrial park.

- **Design and construction of solar-powered urban covered parking lots**

The development of solar powered parking spaces provides a new source of renewable energy for the city and ensures the sustainable operation of associated services (eg. electric car charging system). Stylish car parks can also play a significant role in the development of a modern, ecological urban landscape.

- The wastewater treatment in Sfântu Gheorghe now also works with solar energy



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PUBLIC LIGHTING

- The application of the latest generation concepts and technologies in the development of the public lighting system. Energy-saving LED lighting devices will be installed and an integrated remote management system will operate to save electricity through regulated system operation. Remote control system it allows centralized control, monitoring of the entire period of system operation, operation adapted to environmental conditions.
- Implementation of a pilot system for conditioning the voltage level of the electricity supply in a building or at the level of a public lighting ignition point.
- Moving the overhead electricity distribution network underground and decommissioning the existing overhead network on different streets of the city.
- Currently, out of 3075 luminaires in the public lighting system, 746 LEDs are planned to be installed, with additional column extensions, 2,500 luminaires are planned to be installed.



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SEPSI BIKE-SHARING

- The intervention action aims to facilitate the access of bicycle users to this mode of transport and agreement by ensuring the possibility to rent bicycles in 16 points on the territory of the Municipality of Sfântu Gheorghe. As a result of reducing the number of cars in the composition of local traffic flows, the reduction of emissions of polluting substances and CO2equivalent will be achieved.
- 230 bikes + 6 dissability tricycle + 6 senior tricycle
- Record usage – 250/day



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BIKE PATHS

- The new, seven-kilometer bike path is being built on the embankment of the Olt river from Kilyén to Árkos stream
- The two-meter-wide, asphalted bike path is equipped with painted directions and traffic signs
- During the recently completed road renovations, we created safe bicycle paths



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TRANSPORT

- Modernization of public transport
- Development of urban transport by purchasing 24 eco-friendly electric buses, modernizing and installing new public transport stations, building a new bus terminal.
- The stations in the city will be equipped with LCD information display, ticket machines, Wifi, video surveillance system, integrated traffic management and e-ticketing system.
- Expanding ecological public transport and increasing the level of related services will be a priority in the metropolitan area.



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CITIZEN ENGAGEMENT ACTIVITIES TO CLIMATE NEUTRALITY

- Green Friday - cycling to work
- Pedibus-walking of 0-IVclasses students to school
- Flowered Sfântu Gheorghe-annual competition in which citizens are encouraged to participate in the greening of the city. The most beautiful residential areas in the city are awarded.
- The contest "Waste has value" - the involvement and award of the respective residents of the schools in the city for the selective collection of waste.
- In order to encourage environmentally friendly transport and cycling, the town hall of Sfântu Gheorghe installed new and free bicycle repair stands at 13 points in the city. The stands called "Bike first aid+", i.e. first aid for bicycles, were prepared with the support of the Vocalcycle team.



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AWARDS OR COMPETITIONS RELEVANT TO CLIMATE NEUTRALITY

- The title City of Recycling and excellence awards in the Trumpet, Fighter, Quality Armament category - 2013
- The Green Cities Awards 2023-circular economy and waste management category-excellence award
- The first three cleanest cities in Romania (besides Brasov and Oradea) - in 2020



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