

Towns' Pathways to Urban Resilience and Self-sufficiency

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Energy self-sufficiency

More and more municipalities are striving for energy self-sufficiency.

A quarter of towns in the Czech Republic already interested in their own resources of energy (gas stations and photovoltaics).

Prague-East district: 114 villages and eight towns but only three of them, Říčany, Šestajovice and Úvaly, use alternative sources.

Case Study: Říčany

Prague-East District, Central Bohemian Region, on the border of the capital city of Prague, 20 km southeast, 17,000 inhabitants.

In 2018-2021, the quality of life index showed that Říčany is the town with the best quality of life in the Czech Republic.



Examples of sustainability

The **roof of the municipal office** in Říčany is covered with about 150 solar panels. Solar energy is used to run the building. It plans to put more solar panels on the building of a home for the elderly. In summer, the panels cover up to 80% of the energy consumption.

A **green roof covered with plants** has the new Residential Centre, the kindergarten Větrník is under construction, or the three buildings of the primary school on Komenský náměstí. The city has long invested in measures that improve the environment in the city and its surroundings.



Botanical centre at the primary school - rain biotope

The botanical centre includes an **arboretum** and **gardens** but mainly a **rain biotope**.

The rain biotope is intended to show the benefits of careful management of rainwater.

The atrium of the school will be transformed into a green oasis, the concrete pavements will disappear and be replaced by vegetation. Rainwater will be channelled into the wetland habitat.





Composters

648 composters were provided for the citizens of Říčany for composting biodegradable material.

Reduction of waste production by about 350 tonnes per year.

The aim of the support from the town to the citizens is to build a system for waste prevention in the Central Bohemian Region.

Other projects of the town

Planting of orchards, avenues, all-round and landscape greenery

Electric cars and charging stations

Outdoor classrooms and forest gym

Reducing the energy consumption of the Sports Hall and Cultural Centre

Resources

<https://info.ricany.cz/mesto/granty>

<https://cs.wikipedia.org/wiki/Ř%C3%ADčany>

<https://www.facebook.com/p/Město-Ř%C3%ADčany-100064632461748/>

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