

PTUJ SLOVENIA

Information about the municipality

Location: North-east Slovenia, 130 km from Ljubljana
Altitude: 232 m
Inhabitants: 23,957
Expected development of the municipality:
 Demand of refurbishment and building of new multi-storey houses; demand to refurbish historical building stock.



Miniproject title

CONCEPTUAL DESIGN FOR ENERGY RENOVATION OF THE HISTORICAL TOWN HALL

SHORT DESCRIPTION

1. Project background & goal

Ptuj is the oldest documented town in Slovenia, with a lot of historical heritage objects. Municipal government of Ptuj is the largest single owner of real estate in the old town, and largely responsible for the proper management of its housing stock. There is a growing need for a professional, innovative and modern approach to the reconstruction of buildings in the old town, which are registered as cultural heritage and thus requiring cooperation with the Institute for Protection of Cultural Heritage of Slovenia (IPCHS) in order to reach agreement between clashing requirements for energy efficiency vs. preservation of old materials on heritage objects. The goal of this project was to prepare a project on energy renewal of historical Town Hall, renovated as the first (and the most complex one) and used as example of good practice for the rest of the old town. The final aim is to obtain a building permit for the renovation works.

2. Main project aspect/topic

- > Reaching consensus with cultural heritage sector on the renovation of historical buildings in old town center under modern standards for energy renovation
- > From a single project to a general rule: Developing guidelines for energy-optimized renovation of historical buildings

3. Main Energy Efficiency aspects

- > Energy efficiency of old buildings
- > Usage of renewable energy sources (photovoltaic modules, solar panels)

4. Miniproject activities

- > Meeting with Institute for the Protection of Cultural Heritage of Slovenia (IPCHS)
- > Expanded energy audit of the Town Hall
- > Meeting with architects, building constructors, Association of Historical Towns
- > Preparation of a heritage conservation plan
- > Start of planning, preparation of the conceptual design for renovation
- > Drafting of a set of recommendations/catalogue of details for energy-optimized retrofitting of historical objects, for more general application
- > Securing the financial sources for funding the town hall renovation

5. Main challenges

Due to lack of interest from responsible persons in the municipality, the main task was to persuade the town council to invest more money and time in becoming an energy efficient town.

6. Key actors and their role

- > Municipality (financing)
- > Architects (planning)
- > Building constructors (renovating)
- > Local Energy Agency Spodnje Podravje – experience sharing and advising on renovation of buildings, energy audits, energy efficiency and use of renewable energy sources

Responsibility for implementation: Municipality of Ptuj - Department for Public Utilities, Investment, Quality and Economy



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7. Main steering instrument(s) used by municipality

- > Design principles - Building is registered as cultural heritage therefore necessary to reach consensus with Institute for the Protection of Cultural Heritage of Slovenia

8. Concrete miniproject results

- > Conceptual design for town hall renovation finalised
- > Final draft of catalogue of energy-efficient reconstruction details of cultural heritage buildings
- > This project could trigger increased demand for new multi storey houses, refurbishing of historical building stock and flats in refurbished houses.

9. Added values/lessons for transfer and dissemination:

Initial single demonstration project (lighthouse) can develop into a strategical approach – in this case in the form of guidelines for other stakeholders

AFTER INTENSE

10. Financing plan

- > "CULTURE tolar" – Ministry of Culture
- > Government Office for Local Self - Government and Regional Policy
- > Eco Fund – Slovenian Environmental Public Fund
- > EU funds
- > Municipality budget

11. Expected result by end of the total project

- > 25% of historical houses in the old city center renovated until 2020. Project on energy renewal of historical Town Hall would serve as an example of good practice for the rest of the old city center.

12. CO₂ reduction potential of the project:

20% (24 Tons of CO₂)

Timeline & Milestones

