

DELIVERABLE T2.2.4

D.T2.2.4 – Final development of 3D EMS – annex 3

11/2019





D.T2.2.4 – Final development of 3D EMS – annex 3

A.T2.2 Development of an advance 3D Energy Management System (3DEMS)

Issued by: Partner Nr. 01

Date: November 2019

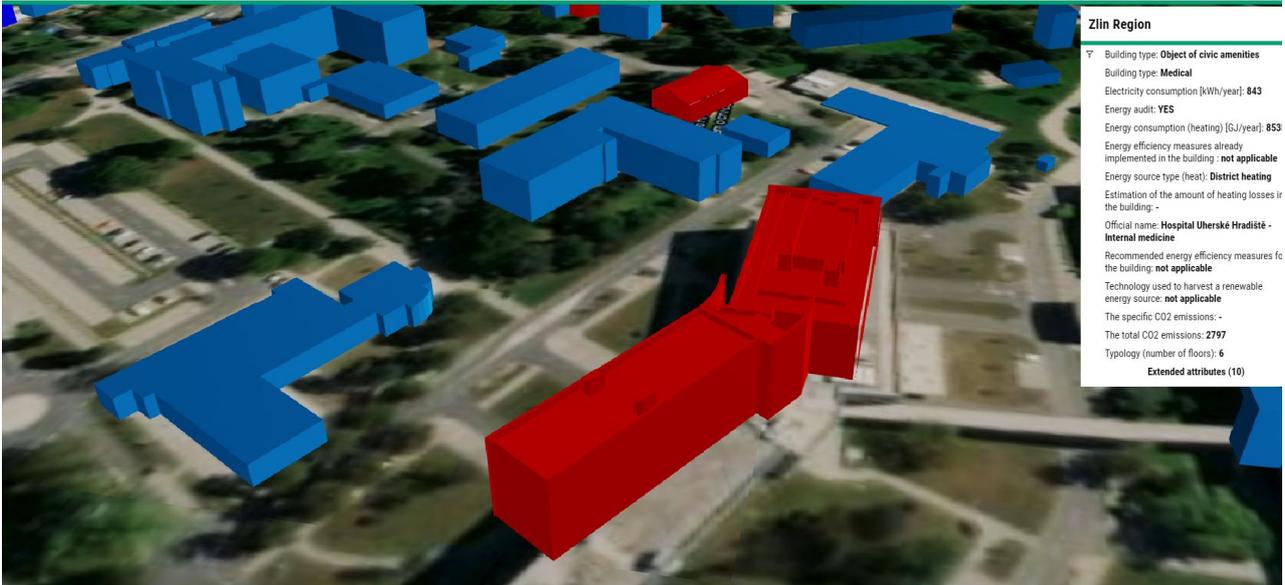
| Authors | | |
|---------------------------|-------------------------------------|---|
| | Name (organization) | Name, e-mail |
| WP leader | Bruno Kessler Foundation (FBK), PP1 | Fabio Remondino, remondino@fbk.eu |
| Contributing participants | All consortium | |



Results of 3DEMS module in the PA3 – Zlin Region, Czech Republic

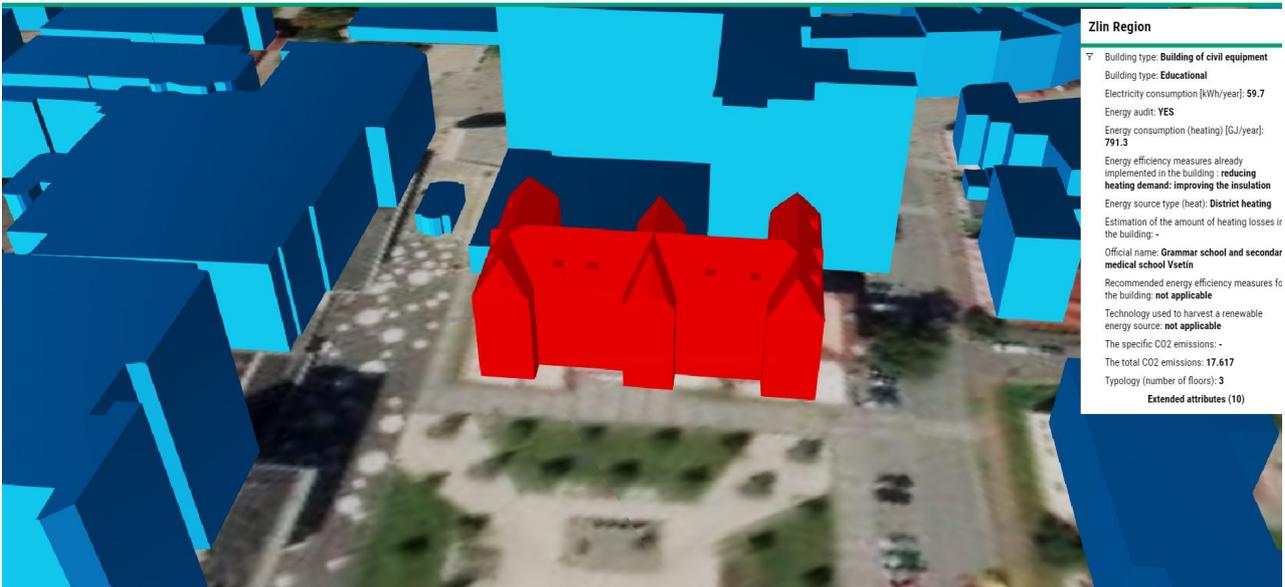
OnePlace
The Online Energy Platform

Pilots and cities PA3 - Zlin, Uherské Hradiště, Czech Republic



OnePlace
The Online Energy Platform

Pilots and cities PA3 - Zlin, Vsetin, Czech Republic





Zlín Region

Building type: **Object of civic amenities**

Building type: **Educational**

Electricity consumption (kWh/year): **17.1**

Energy audit: **YES**

Energy consumption (heating) [GJ/year]: **516.1**

Energy efficiency measures already implemented in the building : **reducing heating demand; improving the insulation**

Energy source type (heat): **Natural gas**

Estimation of the amount of heating losses in the building: -

Official name: **Basic school 1. Máje Kroměříž**

Recommended energy efficiency measures for the building: **not applicable**

Technology used to harvest a renewable energy source: **not applicable**

The specific CO2 emissions: -

The total CO2 emissions: **32.239**

Typology (number of floors): **3**

Extended attributes (10)



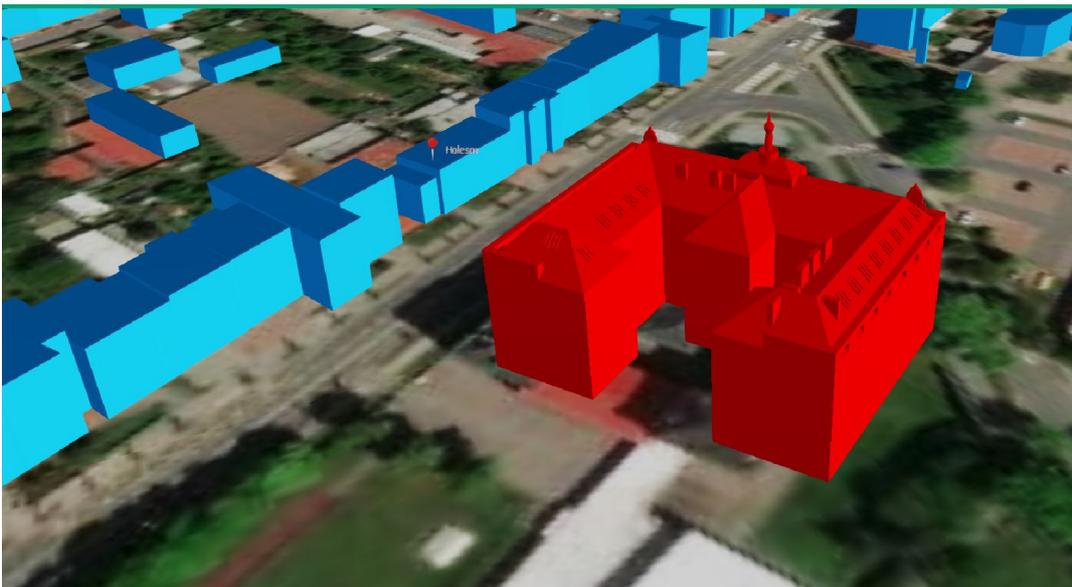

Zlin Region

- ▾ Building type: **Block of flats**
- ▾ Heights [m]: **26.88**
- ▾ Extended attributes (11)
- ▾ Area [m²]: **359.17645**
- ▾ Building ID: **203345**
- ▾ House number: **887**
- ▾ House number class: **Building with a house number**
- ▾ Number of flats: **40**
- ▾ Number of floors: **8**
- ▾ Perimeter [m]: **76.65406**
- ▾ Type of construction: **Concrete panels**

Add **Clear** DruhKonstr

Equal

- 1 / Bricks
- 2 / Stone
- 3 / Stone and bricks
- 4 / Concrete panels**
- 5 / Unburnt brick
- 6 / Wood
- 7 / Other materials
- 8 / Undefined
- 9 / Unknown
- 10 / Combination of materials
- 11 / Monolith



Zlin Region

- ▾ Building type: **Building of civil equipment**
- ▾ Building type: **Educational**
- ▾ Electricity consumption [kWh/year]: **63.333**
- ▾ Energy audit: **YES**
- ▾ Energy consumption (heating) [GJ/year]: **1807.5**
- ▾ Energy efficiency measures already implemented in the building: **reducing heating demand: improving the insulation**
- ▾ Energy source type (heat): **Natural gas**
- ▾ Estimation of the amount of heating losses in the building: -
- ▾ Official name: **Grammar school Holešov**
- ▾ Recommended energy efficiency measures for the building: **not applicable**
- ▾ Technology used to harvest a renewable energy source: **not applicable**
- ▾ The specific CO2 emissions: -
- ▾ The total CO2 emissions: **196.059**
- ▾ Typology (number of floors): **4**
- ▾ Extended attributes (10)