

# Certificate

Certified Passive House Classic



ENERGY PLUS  
PROJECT

Energy Plus Project  
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Authorised  
by:

  
Passive House  
Institute  
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Germany

## Gnome Offices

Oltului nr. 3, 520027 Sfântu Gheorghe , Romania



Client	Gnome Design SRL Dakó nr. 2/A 520014 Sfântu Gheorghe , Romania
Architect	Open Works SRL - arch. Török Áron, arch. Köllő Ágnes Tánicsics Mihály nr. 11 520055 Sfântu Gheorghe , România
Building Services	Instal All SRL - eng. Vékony Péter Pap Lehel FN 520092 Sfântu Gheorghe , Romania
Energy Consultant	V&V Projekt SRL - PhD. eng. Szabolcs Varga Gödri Ferenc nr.2 bl.2 ap.31 520023 Sfântu Gheorghe , România

Passive House buildings offer excellent thermal comfort and very good air quality all year round. Due to their high energy efficiency, energy costs as well as greenhouse gas emissions are extremely low.

The design of the above-mentioned building meets the criteria defined by the Passive House Institute for the 'Passive House Classic' standard:

Building quality		This building	Criteria	Alternative criteria
Heating	Heating demand [kWh/(m <sup>2</sup> a)]	11	≤ 15	-
	Heating load [W/m <sup>2</sup> ]	14	≤ -	10
Cooling	Cooling + dehumidification demand [kWh/(m <sup>2</sup> a)]	5	≤ 15	15
	Cooling load [W/m <sup>2</sup> ]	9	≤ -	12
	Frequency of overheating (> 25 °C) [%]	-	≤ -	-
	Frequency of excessively high humidity [%]	0	≤ 10	-
Airtightness	Pressurization test result (n <sub>50</sub> ) [1/h]	0,3	≤ 0,6	-
Non-renewable primary energy (PE)	PE demand [kWh/(m <sup>2</sup> a)]	128	≤ -	-
Renewable primary energy (PER)	PER-demand [kWh/(m <sup>2</sup> a)]	72	≤ 60	72
	Generation (reference to ground area) [kWh/(m <sup>2</sup> a)]	35	≥ -	22

The associated certification booklet contains more characteristic values for this building.

Pieve di Soligo, Treviso, 24.08.2021

Certifier: Marco Filippi, Energy Plus Project