

Evocasa Selecta

by Anca Bieru / 2012-03-07 16:39:58 / International / 4444 / EN



New Construction

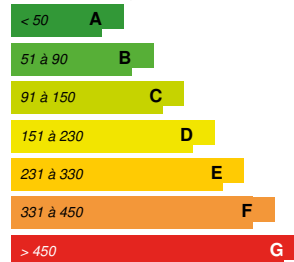
Primary energy need :

102 kWhpe/m².year

(Calculation method : Primary energy needs)

ENERGY CONSUMPTION

Economical building



Building

A

Energy-intensive building

Building Type : Collective housing < 50m

Construction Year : 2010

Delivery year : 2010

Address 1 - street : 58th Ferdinand Boulevard 21393 BUCHAREST, Romania

Climate zone :

Net Floor Area : 9 014 m² Useful area (es)

General information

Mixed use development comprising 77 apartments spread from 2nd floor to 10th floor, offices on 1st floor and commercial spaces on ground floor. Regime of height 2B+GF+10F.

Stakeholders

Stakeholders

Function : Contractor

Function : Certification company

Vitalis

<http://www.vitalis.com>

Contracting method

Energy

Energy consumption

Primary energy need : 102,00 kWhpe/m².year

Primary energy need for standard building : 111,00 kWhpe/m².year

Calculation method : Primary energy needs

Breakdown for energy consumption : heating - 34, domestic hot water - 59, Lighting - 9

Envelope performance

Envelope U-Value : 1,00 W.m⁻².K⁻¹

Building Compactness Coefficient : 0,40

Air Tightness Value : 0,50

Real final energy consumption

Final Energy : 102,00 kWhfe/m².year

Renewables & systems

Systems

Heating system :

- Gas boiler

Hot water system :

- Gas boiler

Cooling system :

- Others

Ventilation system :

- Natural ventilation

Renewable systems :

- No renewable energy systems

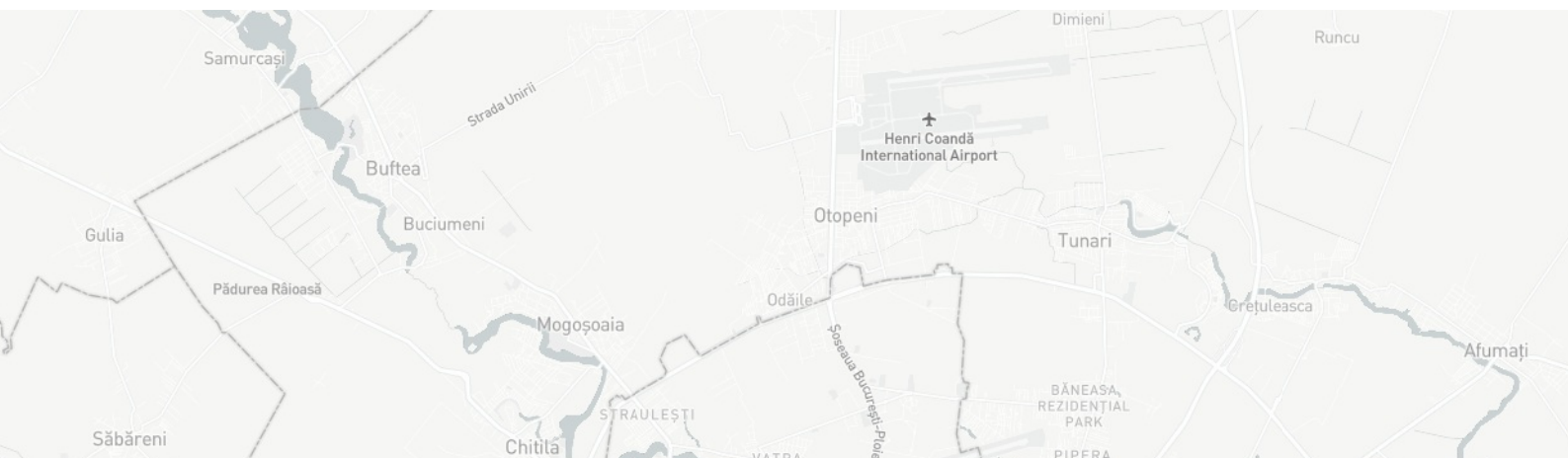
Environment

Urban environment

Bucharest city center, with easy access to the public transport and to the main boulevards.

Land plot area : 1 800,00 m²

Built-up area : 73,00 %

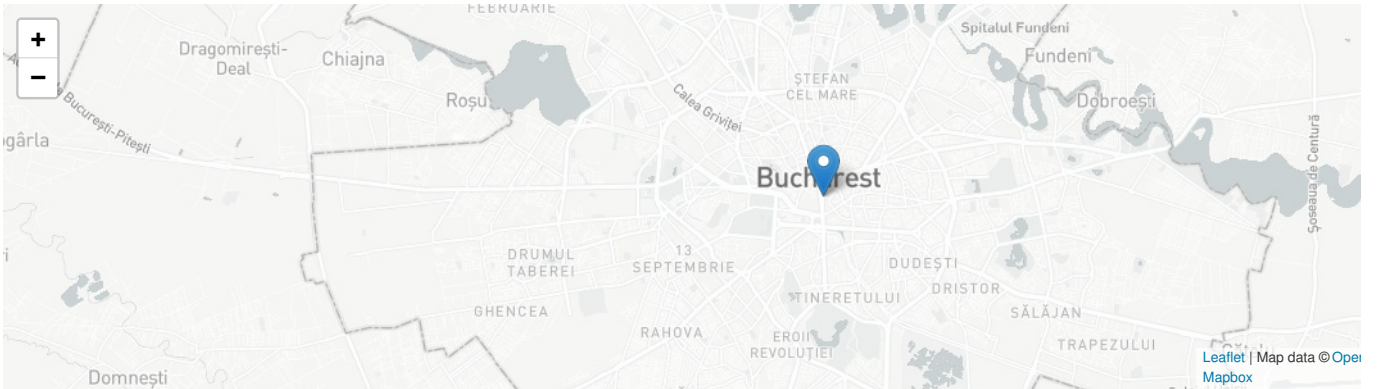


GHG emissions

GHG in use : 21,00 KgCO₂/m²/year

Methodology used :

Romanian Norms C107/2005



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