

# Investment Package PLN 50K

## Investment Description

This investment package is designed for owners of detached houses who have modernised their home to reduce energy consumption for space heating by insulating the external walls of the building. Further modernization measures will contribute to increased energy efficiency and reduced energy bills. The proposed investment includes replacement of the old coal-fired boiler with a new gas condensing boiler and modernisation of the internal central heating system together with the installation of an air-to-water heat pump for domestic hot water heating. The modernisation also includes insulating the roof with mineral wool, which will significantly reduce the heat escaping through the roof.

## Did you know that...

Insulation of external walls of the house can lead to significant reduction of energy consumption for space heating but it depends on the quality of the installation. Defects such as poor preparation of the surface and inaccurately fitting and attaching the styrofoam, can significantly reduce the expected savings. The installation of an air-water heat pump significantly improves the efficiency of domestic hot water preparation, especially in a system with a boiler fired with solid fuels.

## Important Note

Completion of this investment entitles you to a tax return under which you can obtain deductions from the tax base for all purchases of materials and services provided they are supported by registered VAT invoices issued to the owner of the building.

Investment Specifications	
Detached house size [m <sup>2</sup> ]	125
Current energy costs [PLN/year]	5,995
Gas condensing boiler [PLN]	8,750
Central heating system replacement [PLN]	14,550
Roof insulation [PLN]	15,750
Air-water heat pump installation [PLN]	9,990
Investment costs* [PLN]	<b>49,040</b>

Estimated Effects					
Energy	Economic	Climate Emissions reduction	Anti-Smog Emissions reduction		
Energy savings	Reducing energy costs	CO <sub>2</sub>	Dusts	VOCs*	NO <sub>x</sub> **
GJ/year	PLN/year	tons/year	kg/year		
100.58	-1,439	13.50	89.31	85.66	28.68

\*VOC – Volatile organic compounds

\*\*NO<sub>x</sub> – Nitrogen oxides

Potential Tax Relief Benefits for this investment [PLN]	
Tax Relief limits*	53,000
Number of eligible taxpayers/owners of the house	1
Limit to be settled	53,000
Eligible investment costs	49,040
Annual Income of the taxpayer/owner of the house	95,000
Base for the tax deductible	49,040
Tax refund	<b>10,153</b>

\* The calculations presented above are indicative and cannot be used as a basis for making a decision on investment implementation and for the purposes of the Tax Relief

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