

Investment Package PLN 120K

Investment Description

This investment package is designed for those who have decided to implement a comprehensive thermal modernisation of their house due to significant costs of space heating and domestic hot water. The modernisation includes replacement of an old coal-fired boiler with a new gas condensing boiler and an internal space heating system modernisation together with the installation of an air-to-water heat pump for domestic hot water heating. The modernisation also includes insulating the external walls with styrofoam and the roof with mineral wool, which will significantly reduce the heat escaping from the building.

Did you know that...

It is important to first insulate the external walls and ceilings when starting a comprehensive thermal modernisation of a house. This enable you to choose the right size of a heat source based on the real energy demand of an insulated building. This will prevent you from installing an oversized heat source which would be less efficient.

Installing a heat pump improves the efficiency of domestic hot water preparation, especially in a system with a solid fuel fired boiler. In the summer it is more efficient and comfortable to heat domestic hot water using a heat pump than a boiler fired with solid fuel.

An additional benefit of a comprehensive thermal modernisation is the improvement of thermal comfort in the summer, especially in hot weather. An isolated building stays pleasantly cool in high outdoor temperatures.

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 ²]	125
Current energy costs [PLN/year]	8,479
Gas condensing boiler [PLN]	8,750
Central heating system [PLN]	14,550
Roof insulation [PLN]	15,750
Windows and door replacement [PLN]	18,100
External walls insulation	51,250
Air-water heat pump [PLN]	9,990
Investment costs* [PLN]	118,390

Estimated Effects					
Energy	Economic	Climate Emissions reduction	Anti-Smog Emissions reduction		
			Dusts	VOCs*	Nox**
Energy savings	Reducing energy costs	CO ₂	kg/year		
GJ/year	PLN/year	tons/year			
21.48	2,820	23.47	126.35	121.34	45.27

*VOC – Volatile organic compounds

**NOx – 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	118,390
Annual Income of the taxpayer/owner of the house	145,000
Base for the tax deductible	53,000
Tax refund	16,960

* 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

PoIREFF Office

ul. Orzycka 27, II floor

02-695 Warszawa

Please contact us via email: biuro@polreff.org

