

Home Renovation Packages

HORIS defined home renovation packages for consumers in Italy, Spain and Portugal, identifying the energy savings per package per country.

Single-family homes



Low-Cost

- Thermal Insulation (External Walls + Roof) with Mineral wool, extruded polystyrene (XPS) or expanded polystyrene (EPS).



Energy Cost Reduction

Italy 29.8% in energy costs

Portugal 45.1% in energy costs

Spain 51.2% in energy costs



Intermediate

- Thermal Insulation (External Walls + Roof) with MW, XPS or EPS.
- Window Replacement (PVC frames + Double glass).
- Heat Pump (DHW).



Energy Cost Reduction

Italy 34.2% in energy costs

Portugal 53.1% in energy costs

Spain 56.3% in energy costs



High impact

- Thermal Insulation (External Walls + Roof) with MW, XPS or EPS.
- Window Replacement (PVC frames + Double glass).
- Heat Pump (DHW).
- Multi-Split (Air conditioning).
- Solar Thermal.
- Solar PV.



Energy Cost Reduction

Italy 79.6% in energy costs

Portugal 86.4% in energy costs

Spain 87.1% in energy costs



Read the
full
report
here



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Home Renovation Packages

Multi-family homes

HORIS defined home renovation packages for consumers in Italy, Spain and Portugal, identifying the energy savings per package per country.



Low-Cost

- Thermal Insulation (External Wall), extruded polystyrene (XPS) or expanded polystyrene (EPS).
- Heat Pump (DHW).



Intermediate

- Thermal Insulation (External Walls) with, XPS or EPS.
- Window Replacement (PVC frames + Double glass).
- Heat Pump (DHW).



High impact

- Thermal Insulation (External Walls) with, XPS or EPS.
- Window Replacement (PVC frames + Double glass).
- Heat Pump (DHW).
- Multi-Split (Air conditioning).



Energy Cost Reduction

Italy	16.3% in energy costs
Portugal	45.7% in energy costs
Spain	18.5% in energy costs



Energy Cost Reduction

Italy	20.5% in energy costs
Portugal	63.6% in energy costs
Spain	22.4% in energy costs



Energy Cost Reduction

Italy	71.1% in energy costs
Portugal	77.4% in energy costs
Spain	70.6% in energy costs

