

**European industry is unnecessarily
wasting energy and losing money
every minute it is operating.**

#industrialinsulation delivers...

**...Competitiveness, Rapid Payback, Energy Security,
CO₂ Emissions Reduction, Energy Efficiency, Safety**



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#industrialinsulation delivers...

#Competitiveness

The European energy and cost savings potential of insulating bare surfaces to cost-effective levels and repairing damaged insulation across industrial sectors is 460 PJ.

To tap into this potential it is required a **one-time** investment of **€900 million** which, at current prices, would reduce industry production costs by **€3.5 billion every year**.

#RapidPayback

The average payback period of industrial insulation improvements is **1-2 years** and it is easy to achieve compared to other Best Available Techniques.

It can be even shorter depending on energy prices, energy losses and insulation costs.

#EnergySecurity

Today, the EU imports **53%** of the energy it consumes. The EU external energy bill represents more than **€1 billion per day** (around **€400 billion** in 2013).

The European industrial insulation savings potential could reduce gas imports from Russia by up to **12.5%**.

#EnergyEfficiency

According to the European Commission "Member States should speed up measures to achieve the **2020 energy efficiency target**, focusing on heating and insulation in particular in buildings and industry."

The European industrial insulation savings potential could help to close the estimated gap by reducing the entire energy consumption of the EU by almost 1%.

#CO2EmissionsReduction

The EU annual CO₂ emissions reduction potential of industrial insulation is 49 Mt.

This potential is equivalent to the CO₂ emissions of **18 million middle class cars**.

#Safety

In the European Union the share of equipment without insulation or with damaged insulation is conservatively estimated to be 10%, 6% and 2% for low- middle- and high-temperature surfaces respectively.

Insulation of hot surfaces **increases safety and improves the working environment**.



Sources:

"Climate protection with rapid payback", Ecofys, 2012.

Ecofys/Gas in Focus, 2014.

"Energy Efficiency Report 2014" (Executive Summary), Politecnico di Milano, 2014.

"European Energy Security Strategy", European Commission, 2014.

"Reference Document on Best Available Techniques for Energy Efficiency" (BREF), European Commission, 2009.

"The Plant's New Clothes", Process Worldwide, 2-2015.

"Vattenfall's Climate Map 2030", 2007.

How many **€900 million** investments do you know of which reduce production costs for European industry by **€3.5 billion** every year?

It's time for action:

#industrialinsulation delivers.



The **European Industrial Insulation Foundation** is a European non-profit foundation registered in Switzerland in 2009. The Foundation has been set up to promote and establish the use of industrial insulation as a widely understood and accepted means of achieving sustainability. Since its foundation, the EiiF has established itself as a resource for governments and industries that need to reduce CO2 emissions and save energy.

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