



July 2014

# We are energy efficiency!

By



**EUROPEAN ALLIANCE TO  
SAVE ENERGY**

*Creating an Energy-Efficient Europe*

For further information, please contact [info@euase.eu](mailto:info@euase.eu)

# GENERIC ENERGY EFFICIENCY FACTS

# 2013-2020

The EU's 20% 2020 targets' gap is 68Mtoe, twice the annual energy consumption of Austria

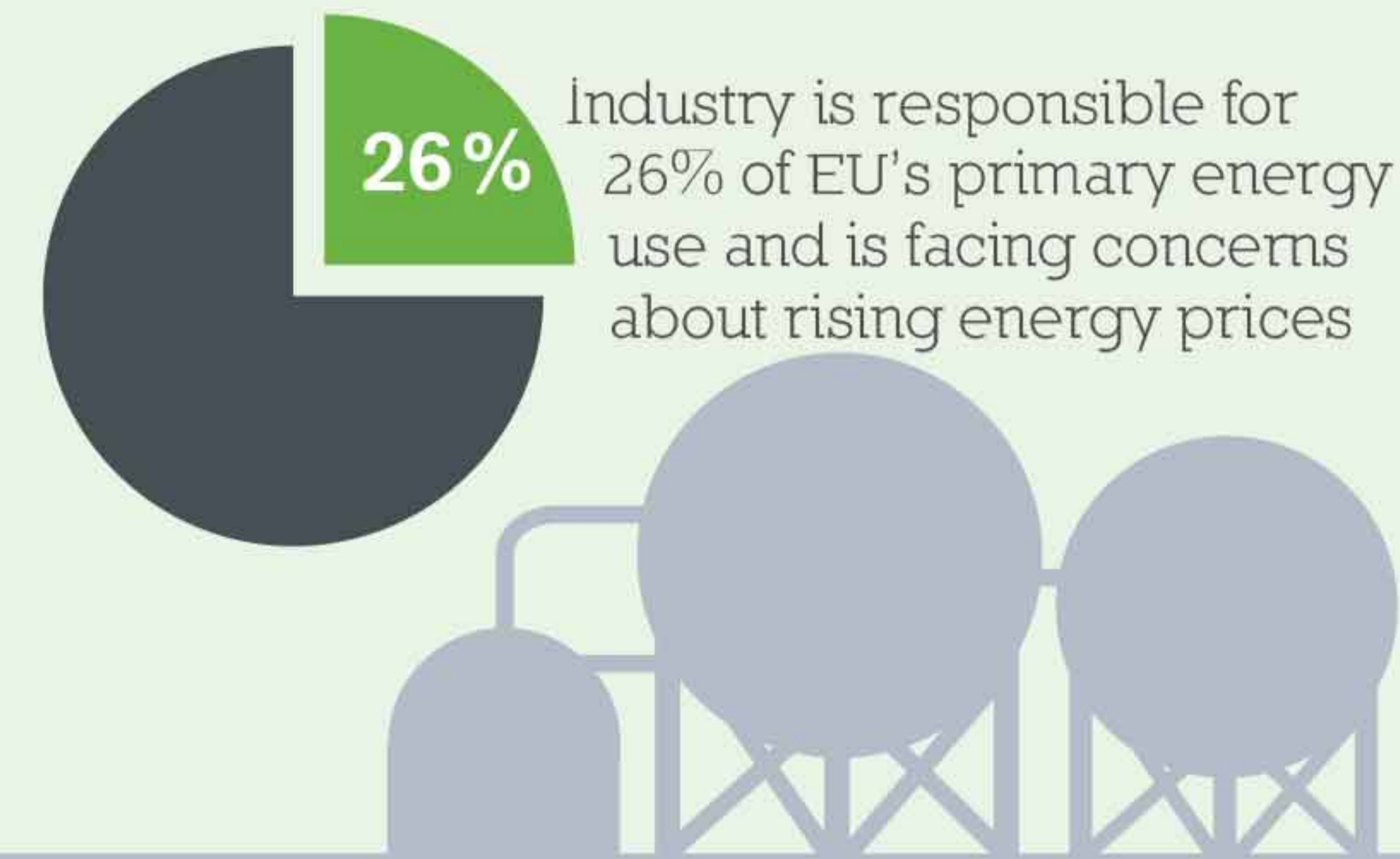
Oil and gas imported to the EU was worth EUR 400bn in 2013

Strong action on Energy Efficiency in 2020 can deliver EU GDP increases of 0.53%

# 2030

An ambitious 2030 scenario will create 767,000 net new jobs in the EU Energy Efficiency industry

## INDUSTRY



EU industry gas prices are 3-4 times more expensive than in the US and 12% more than in China

EU industry retail electricity costs >50% than in the US and 20% more than in China

Schneider Electric's consultative approach resulted in recommendations for better optimizing and controlling the main extractor fan at a British asphalt and aggregate manufacturing plant, resulting in 18,000 annual savings and a payback period of 10 months.

**10 months pay back**

**Schneider Electric's Lean Energy Management approach**

By following Schneider Electric's Lean Energy Management approach including benchmarking and monitoring energy via hosted dashboards, a global pulp and paper manufacturer generated 1.1M in energy savings in one year.

France Schneider Electric, France

Schneider Electric is a global leader in energy management systems with a turnover of €23.6bn in 2013

150,000 employees – 49,000 in the EU

## LIGHTING



Philips LED bulbs offer high quality light, using 70-80% less energy and last more than 20 times longer than traditional bulbs

**The LED market is growing:** in Q4 2013 LED-based sales were 34% of Philips Lighting overall sales; up from 18% in 2011

**34% LED SALES OF OVERALL SALES**

### COSTS FALLING DRAMATICALLY

Solar costs drop 50% during 2001-2011

👍 I Like

Efficient LED lighting sees 98% cost reductions in the same timeframe

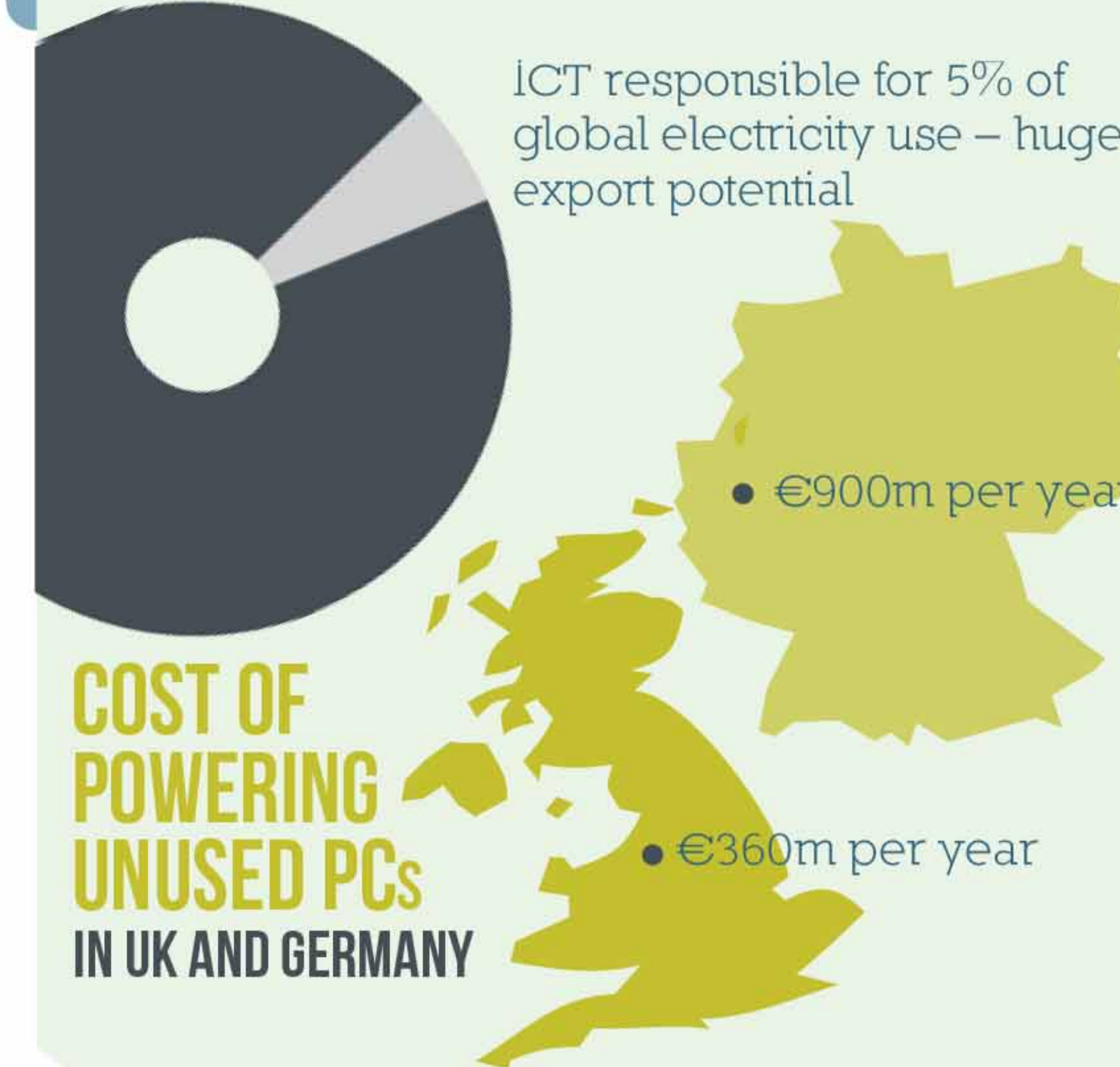
👍 I Like much more!!!

Netherlands Philips, the Netherlands

Philips is a market leader in lighting, healthcare and consumer lifestyle solutions with sales of €23.3 billion in 2013

114.600 employees globally, 42.000 in EMEA

## COMPUTING



1E's Nightwatchman product detects and turns off unused PCs - with payback times as short as 5 months

**\$1.5bn – energy savings delivered to 1E customers to date**

**80%** The majority of 1E sales are in the US because of the promotion schemes. EU sales are 20%

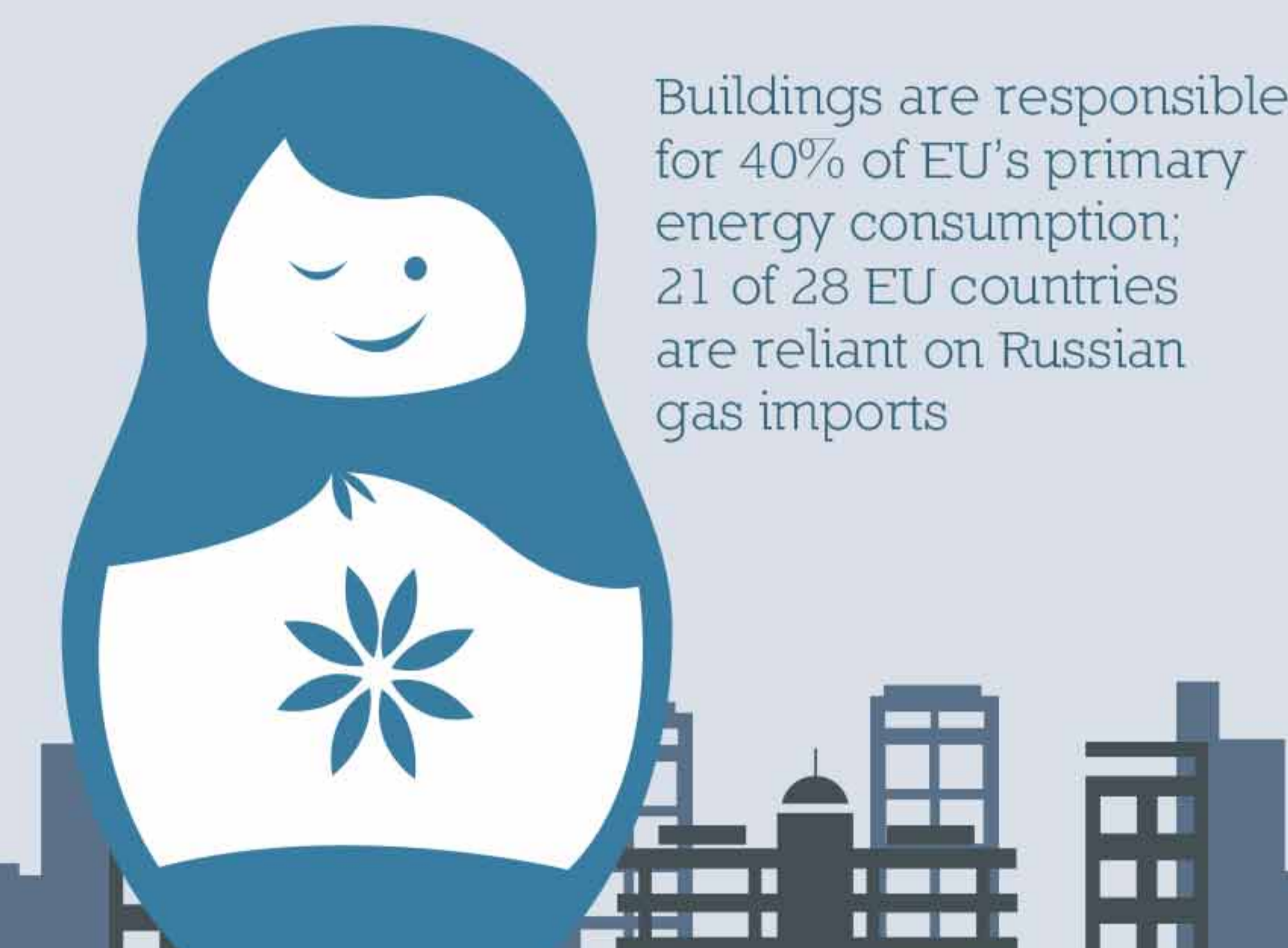
**20%**

United Kingdom 1E, United Kingdom

1E is a market leader SME in energy saving software with a turnover of €36m in 2013

127 employees in the EU

## BUILDING



9 out of 10 buildings standing today will still be standing and occupied in 2050

75% of buildings standing in the EU were built during periods with no or minimal energy-related building codes

11% of the EU population is unable to heat their homes properly (55 million people)

71% energy savings are possible from the housing sector by 2050

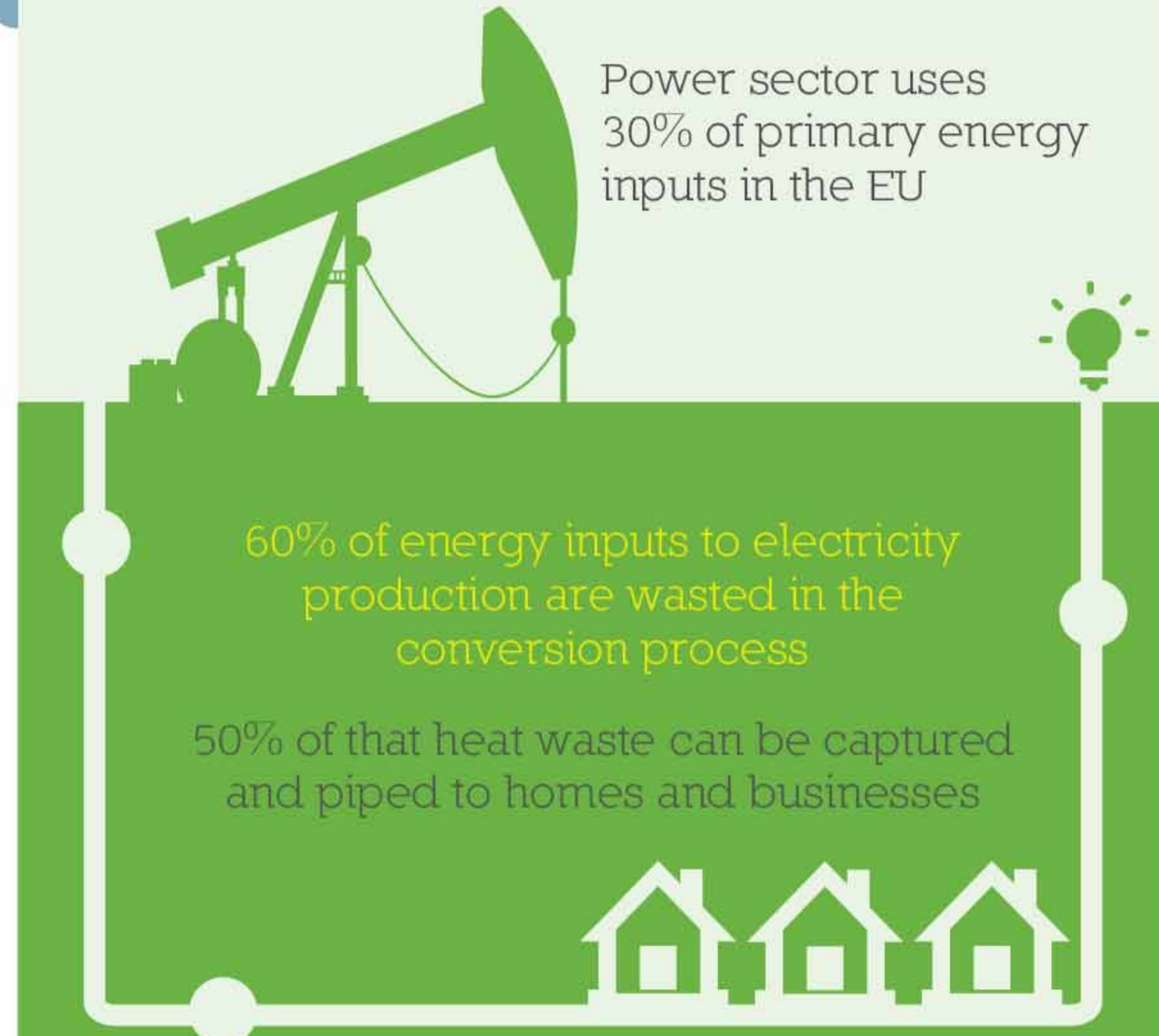
Cost effective insulation solutions are available now: Knauf Insulation superinsulated, an 'A' rated house in Hungary to save 47% on winter energy bill (982 m<sup>3</sup> gas used costing EUR 365) compared to G rated house which was left untouched by Knauf Insulation (1848m<sup>3</sup> costing €690)

Germany Knauf Insulation, Germany

Knauf Insulation is one of the fastest growing and most respected names in insulation worldwide with a turnover of more than €1.3 billion in 2013

5,000 employees in more than 35 countries and more than 30 manufacturing sites, 21 in the EU

## POWER & HEAT



### DISTRICT HEATING MAKES UP ONLY 10% OF THE HEATING MARKET IN EU

- Danfoss rolled out district heating in Zagreb, Croatia reporting 20% energy savings
- In Sonderborg, Denmark energy savings of 30% were achieved through Danfoss technology and awareness training

Denmark Danfoss, Denmark

Danfoss is the market leader in district heating solutions with a turnover of €4.4bn in 2012

23,000 employees, 13,700 in the EU



About the European Alliance to Save Energy (EU-ASE)

EU-ASE was established in December 2010 by some of Europe's leading multinational companies. The Alliance creates a platform from which our companies (Danfoss, Philips, Schneider Electric, Knauf Insulation, Siemens, IE, Kingspan, Ingersoll Rand and Opower) can join with politicians and thought leaders to ensure the voice of energy efficiency is heard from across the business and political community.

MEMBERS



*Danfoss*

**IR** Ingersoll Rand



**KNAUFINSULATION**  
*it's time to save energy*

**OP@WER**

**PHILIPS** **Schneider Electric** **SIEMENS**



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