



October 2014

### **Energy Efficiency: Going Beyond Energy Savings**

IEA publishes the multiple benefits of Energy Efficiency

### **EiiF Latest Events**

- EiiF presented at the Insulation Conference in Poland
- EiiF General Assembly and Foundation Board Meeting: more than 40 participants and a new powerful structure
- EiiF attending the 14<sup>th</sup> Inter-Parliamentary Meeting on Renewable Energy and Energy Efficiency

### **EiiF TIPCHECK Programme**

- 10<sup>th</sup> TIPCHECK training
- Check the next TIPCHECK training dates

### **Insulation Apprentice Championship**

Łukasz Woron wins the XI FESI Apprentice Championship

### **Agenda 2014**

Check out our upcoming trainings & events

### **EiiF Welcomes a New Member**

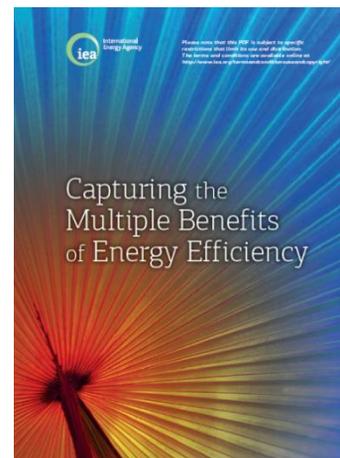
Erimus Technical joined the EiiF

## Energy Efficiency: Going Beyond Energy Savings

### IEA publishes the multiple benefits of Energy Efficiency

According to the results of the latest study published by the International Energy Agency (IEA), the European Union (EU) is not doing enough in order to save energy, guarantee the energy security and protect the environment.

The handbook, entitled [Capturing the Multiple Benefits of Energy Efficiency](#), provides reliable data to confirm that the benefits of energy efficiency go beyond energy savings. Therefore, energy efficiency can also bring other benefits such as economic growth and expansion, social development, sustainable climate protection and greater energy security. Over 300 international experts took part in the roundtables, research and consultation process held to gather input to the publication. The European Industrial Insulation Foundation (EiiF) contributed to the study within the Industrial Productivity chapter.



With regard to this field, the study points out that “industry often views energy as an operational cost; energy savings are perceived as incidental benefits of other investments rather than as a central value-generating proposition. **Yet, industrial energy efficiency measures deliver substantial benefits in addition to energy cost savings – enhancing competitiveness, profitability, production and product quality, and improving the working environment while also reducing costs for operation and maintenance, and for environmental compliance.** Introducing multiple benefits can help to better align energy efficiency with strategic business priorities, thereby strengthening the business case for investment. The value of the productivity and operational benefits derived can be up to 2.5 times (250%) the value of energy savings (depending on the value and context of the investment). Including such productivity outcomes in **financial cost assessment frameworks can substantially reduce the payback period for energy efficiency investment, in some cases from four years to one year.**”

In this respect, it can be noted that such a quotation suits industrial insulation to a tee:

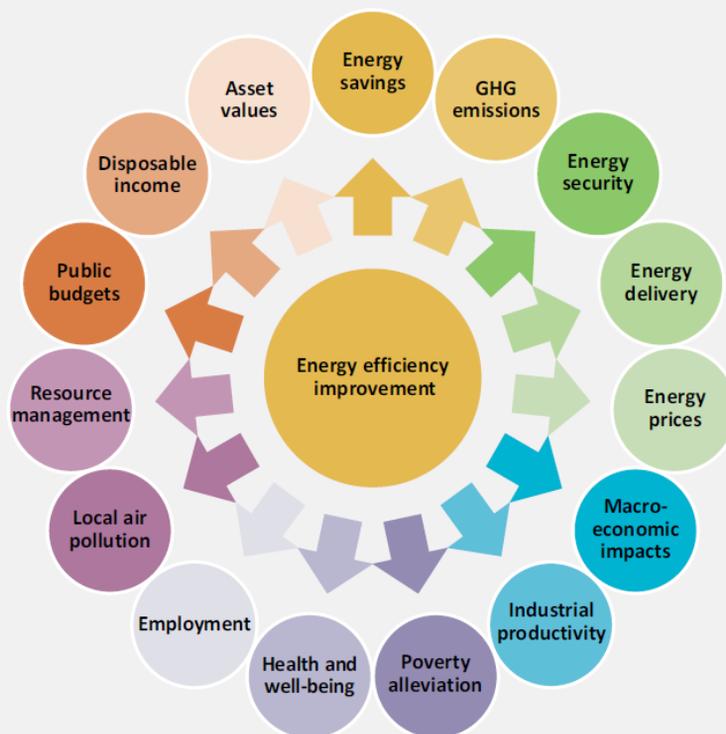
- ✓ Saves energy: industrial insulation can help European industry to reduce its annual fuel consumption by 620 PJ ( $\approx$  the energy consumption of 10 million households).
- ✓ Saves money: insulating bare surfaces to cost-effective levels and repairing damaged insulation in industry EU-wide requires initial investments of about 0.9 billion euros. This one-time investment would represent an energy savings potential of about 460 PJ, which at current prices would save industry 3.5 billion euros every year.
- ✓ Offers rapid paybacks: payback times for the investments are usually less than one year (“invest once, save every year”).

- ✓ Contributes to a cleaner environment through reduced CO<sub>2</sub> emissions: industrial insulation would contribute to reduce the annual emissions by 49 million tonnes of CO<sub>2</sub> (≈ the CO<sub>2</sub> emissions of 18 million cars).
- ✓ Improves process efficiency.
- ✓ Brings workplace improvements.

The EU is committed to secure the supply of energy and ensure that energy prices remain stable, urging its Members States to be energy efficient. However, DG Energy has already announced an expected gap of 1–2% regarding its 20% targets. Furthermore, the EU is highly dependent on energy from abroad, importing 53% of all the energy it consumes at a cost of more than one billion euros per day. Figures like these mean that Europe can be vulnerable to external energy shocks. Meanwhile, European industrial facilities are also wasting energy and losing money every minute they are operating.

Industrial insulation could cost-effectively reduce the EU's energy consumption by 0.5–1% (= 460–620 PJ). Likewise, it could also reduce Europe's dependency on Russian gas imports by 9–12.5% (100% = 4932 PJ/1370 TWh). Industrial insulation proves once again to be one of the Best Available Technique which can improve the bottom line of businesses while reducing energy consumption and associated emissions, building up competitiveness, maintaining profitability and improving the working environment and the production process.

### The multiple benefits of energy efficiency



Source: [Capturing the Multiple Benefits of Energy Efficiency](#) (IEA, 2014)

## EiiF Latest Events

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- EiiF presented at the Insulation Conference in Poland

**| Krakow – 18 September 2014 |** The European Industrial Insulation Foundation (EiiF) presented at the HEAT not LOST Conference, which took place at the International Exhibition and Convention Centre EXPO of Krakow (Poland).

The conference brought together insulation and energy efficiency experts. It was a great opportunity to share experiences, learn and discuss insulation solutions for the energy sector, as well as insulation system design and execution innovations.

The Foundation Director of the EiiF, Andreas Gürtler, contributed by giving a presentation on how to minimize energy loss in industrial processes in the context of the European Energy Efficiency Directive (EED).



- EiiF attending the 14<sup>th</sup> Inter-Parliamentary Meeting on Renewable Energy and Energy Efficiency

**| Lisbon – 10 October 2014 |** The EiiF has been invited to the 14<sup>th</sup> Inter-Parliamentary Meeting on Renewable Energy and Energy Efficiency (IPM14) organized by EUFORES, the European cross-party network of Members of Parliaments from the European Parliament as well as from the EU28 national and regional Parliaments promoting renewable energy and energy efficiency.

At the IPM14, EUFORES aims at gathering 100 of the most active parliamentarians in the field of renewable energy and energy efficiency from national parliaments and the European Parliament, as well as a select group of other participants, such as officials of national governments, the European Commission and selected representatives from the industry and scientific sectors. In Lisbon, the EiiF Foundation Director Andreas Gürtler will steer the discussion on energy efficiency measures in industry giving expert input in applied terms and regarding policy discussions, as well as moderating the conversation and answering the questions of the involved parliamentarians.

- **EiiF General Assembly and Foundation Board Meeting: more than 40 participants and a new powerful structure**

**| Brussels - 26 September 2014 |** This year the EiiF held the annual General Assembly and its second annual Foundation Board Meeting in Brussels (Belgium).

More than 40 CEOs and senior managers attended the meetings, where key issues for the successful development of the Foundation were enthusiastically covered. The participants contributed to the definition of the EiiF strategy for the next year and elected the new EiiF Membership Chairman, Frank Baur, and Vice-Chairman, Bernard Vercaemst, for the next term of office. Likewise, elections also took place during the Foundation Board Meeting in order to elect the new Vice-President, Michele Mannucci, and Treasurer, Rafael Rodríguez.

Furthermore, a new organisational chart was approved with the aim of providing the EiiF with a more powerful structure which will enable the Foundation to perform its increasing activities in a more effective and efficient way. A Strategy Committee, composed of all Premium Members, has been established and the former Steering Committee has been restructured into an Executive Committee which consists of the EiiF President and Vice-President, the Treasurer, the Chairman and Vice-Chairman of the Membership Board, and the Foundation Director. On the other hand, the General Assembly is comprised by representatives from the current 55 member companies.

We are grateful for the growing commitment of our members and we want to thank them all for their participation in these important meetings.



**Representatives of the EiiF Boards and Committees:**

[www.eiif.org](http://www.eiif.org) >> [Organisation](#) >> [Organisational Chart](#)



## EiIF TIPCHECK Programme

### TIPCHECK trainings

#### 10<sup>th</sup> TIPCHECK training

Within the framework of its [TIPCHECK Programme](#), the EiIF organised the 10<sup>th</sup> TIPCHECK training in Munich (Germany) at the end of August. The Foundation congratulates the 8 new TIPCHECK engineers who passed the test and received their certificate:

- David Maurer, *G+H Isolierung GmbH*
- Hans-Peter Müller, *KAEFER Industrie GmbH*
- Jens Fischer, *KAEFER Industrie GmbH*
- Manfred Rakowski, *KAEFER Industrie GmbH*
- Nicolai Remuß, *G+H Isolierung GmbH*
- Patrick Springer, *Novisol AG*
- Rico Kara, *KAEFER Industrie GmbH*
- Steve Brachmanski, *L'ISOLANTE K-FLEX*



**Lists of all the certified TIPCHECK engineers:**

[www.eiif.org](http://www.eiif.org) >> [TIPCHECK](#) >> [Certified engineers](#)

#### Next TIPCHECK courses in November and December. [Register NOW!](#)

Not a [TIPCHECK engineer](#) yet? Register and join us on [3-7 November \(in English\)](#) in Munich to learn how to perform high quality thermal energy audits. The course consist of one-week training with both theoretical and practical lessons –including a visit to a research laboratory. A course in French is also scheduled on [8-12 December in Paris](#).

		Requirements					
		EiIF member	Ability to calculate and design industrial insulation systems	Insulation experience	Engineering degree or similar	TIPCHECK course plus examination	TIPCHECK experience
Levels	TIPCHECK assistant	X	X		X	X	
	TIPCHECK engineer	X	X	≥ 4 years	X	X	
	SENIOR	X	X	≥ 7 years	X	X	3-5 TIPCHECKs X

#### TIPCHECK assistant:

This **NEW** level allow young engineers recently graduated to participate in the TIPCHECK courses and to get qualified for a first level of energy auditing of insulation systems.

Supervised by certified TIPCHECK engineers, TIPCHECK assistants will benefit from the opportunity to collect first and practical TIPCHECK audit experiences and to start out in the interesting field of technical insulation and energy efficiency engineering.

# Insulation Apprenticeship Championship

## Łukasz Woroń won the XI FESI Apprenticeship Championship

The winner of the Insulation Apprenticeship Championship 2014 was Łukasz Woroń, from the Polish Association PSWIP. Second and third prizes went to the German participants Eugen Nuss (HDB) and Maximilian Braun (ZSB).

This year, the [FESI Insulation Apprenticeship Championship](#) took place in Krakow (Poland) on 18-19 September. There were representatives from the national associations of Austria, Denmark, France, Germany, Hungary, Norway, Poland, Switzerland and the United Kingdom.



The championship is organised by the European Federation of Associations of Insulation Contractors (FESI) every two years in one of the [16 FESI member countries](#). The objective of this competition is to promote high standards and quality in insulation and cladding work, as well as to provide recognition of the quality of the competitors' craftsmanship.

Moreover, this year for the first time the Insulation Teachers' European conference (ITEC) was also part of the championship. Representatives from the teaching staff in the European insulation schools were brought together to discuss their challenges and opportunities for harmonizing education, as well as to obtain information and knowledge of new methods and products. Both events offered teachers and apprentices good opportunities of sharing experiences.



Photos: R&M Centrum Szkolenia Zawodowego

## Agenda 2014

Check out our upcoming trainings & events

Date & Location	Event
3-7 November Munich, Germany	TIPCHECK Training Course (in English)
10-11 October Lisbon, Portugal	14 <sup>th</sup> Inter-Parliamentary Meeting on Renewable Energy and Energy Efficiency
8-12 December Paris, France	TIPCHECK Training Course (in French)



Upcoming events on the agenda: [www.eiif.org](http://www.eiif.org) >> [Show Agenda](#)

## EiiF Welcomes a New Member

Erimus Technical joined the EiiF



### Erimus Technical

Erimus Technical is a company offering totally impartial services within the insulation and protective coatings industry. The company offers technical consultancy services to owners, project management contractors, engineer procure and construct contractors and sub-contractors. Erimus offers technical services/advice on all, or any, aspects of thermal and acoustic insulation (hot, cold, cryogenic), protective coatings/linings, and fireproofing activities of a project or maintenance programme.

[www.erimustech.net](http://www.erimustech.net)

**ERIMUS TECHNICAL**



Check EiiF Founding Partners, Premium Members and Members:  
[www.eiif.org](http://www.eiif.org) >> [Membership](#) >> [Founding Partners & Members](#)



Download the Benefits of Joining the EiiF in: [German](#) – [English](#) – [Italian](#)  
Download the [Membership Application Form](#)

The EiiF newsletter is primarily circulated to EiiF Partners & Members.

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 We Power Sustainability

European Industrial Insulation Foundation

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