

ENERGY EFFICIENCY BENEFITS FOR INDUSTRY

SME Exhibition & Industry Conference
Limerick Institute of Technology
1st April 2015

"The cheapest unit of Energy is the one you don't use"
Paul Massara, nPower

While new technologies and renewable energy sources are gaining in popularity, energy efficiency remains the easiest - and single most cost-effective - way to cut energy costs. Many existing projects have shown that savings of 20% can be achieved in industrial sites without significant investment.

The Energy Efficiency Benefits For Industry Seminar and SME Manufacturing Exhibition is a free event to be held on 1st April 2015 in Limerick Institute of Technology (LIT) in partnership with the ACORN Research Centre, LIT (TEMPO project), University of Ulster and the SME consortium, Supply Network Shannon (SNS).

The event will feature both international and national speakers who will outline current trends in energy efficiency in industry and present case studies of industrial sites where the beneficial impacts of energy efficiency have been witnessed. The successful outcomes of the Total Energy Management in Production Operations (TEMPO) Project and the added value to the Pilot Manufacturing Plants will be described.

The day will also feature a series of workshops dealing with ECO Supports for SMEs, Impacts of the European Energy Efficiency Directive (EED) and Opportunities for Waste Heat/Eco-Parks. A parallel manufacturing exhibition and meet the buyer event is open for SMEs interested in exhibiting. A range of Energy Service Providers and Energy Advisory Agencies will also be available on display.

Supported by EI, IERC, I2E2, ESB and SEAI.

The manufacturing exhibition and 'meet the buyer' event is open for SMEs, consultants and other companies interested in exhibiting. The general provisions include 2m x 2m space, electrical supply and table. A larger space can be provided upon request.

For all bookings and payment, please contact marketing@snshannon.com

For any general queries, please contact frances.hardiman@lit.ie

TIME: 8:30 am to 4:30 pm (IST)

DATE: April 1st, 2015

LOCATION: Millennium Theatre,
Limerick Institute of Technology

REGISTRATION: <https://energyefficiencybenefits2015.eventbrite.com>



ENERGY EFFICIENCY BENEFITS FOR INDUSTRY

SME Exhibition & Industry Conference
Limerick Institute of Technology
1st April 2015

SEMINAR PROGRAMME

Time	Event	Speaker
8:30 – 9:30 am	Registration	
9:30 – 9:40 am	Welcome & Opening Address	
9:40 – 10:00 am	Capturing the Multiple Benefits of Energy Efficiency	Nina Campbell
10:00 – 10:20 am	Improving a company's energy culture – case studies	Ulrika Wising
10:20 – 10:40 am	Modelling for Industrial Energy Efficiency	Rick Greenough
10:40 – 11:00 am	EEOS (Energy Efficiency Obligation Scheme)	Hilco Hakman
11:00 – 12:00 pm	Break & SME Manufacturing Exhibition	
12:00 – 1:00 pm	Total Energy Management for Production Operations	John Cosgrove
1:00 – 2:00 pm	Lunch	
2:00 – 3:00 pm	Workshop: Application of the Energy Efficiency Directive Relevant to Industry	
3:00 – 3:30 pm	Break & SME Manufacturing Exhibition	
3:30 – 4:30 pm	Workshop: Opportunities for Waste Heat in Industry	
4:30 pm	Close	

The SME manufacturing exhibition will run throughout the event.

WORKSHOP & RESEARCH POSTER OUTLINES

Workshop: Application of the Energy Efficiency Directive to Industry

Led by short presentations and a panel discussion, the workshop will focus on the implementation and impact of the EU Energy Efficiency Directive (2012/27/EU) including Article 7 dealing with Better Energy Credits and Article 8 dealing with Energy Auditing and the Energy Efficiency Obligation Scheme (EEOS) in industry.

Workshop: Opportunities for Waste Heat in Industry

Led by short presentations and a panel discussion, the workshop will focus on the analysis of waste heat in industry and the opportunities for cost savings through heat re-use, electricity generation through OCR, potential for Heat sharing across industry through Industrial Symbiosis and the future development of district heating for ECO-Parks.

Research Posters

Invitation for postgraduate research posters in the area of energy efficiency and sustainability. Standard A1 size (portrait orientation). Posters can be set-up for display at the venue from Tuesday 31st March up to the following morning before 9am, 1st April 2015. Poster presenters must also register for the event via Eventbrite. Kindly note that the ACORN Research Centre cannot forward any posters not collected after the conference.

For free registration, visit: www.energyefficiencybenefits2015.eventbrite.com

To exhibit, contact: marketing@snshannon.com.

For general enquiries, contact: frances.hardiman@lit.ie

ENERGY EFFICIENCY BENEFITS FOR INDUSTRY

SME Exhibition & Industry Conference
Limerick Institute of Technology
1st April 2015

KEY SPEAKERS



NINA CAMPBELL - Capturing the Multiple Benefits of Energy Efficiency

Nina Campbell authored this report as an Energy Policy Analyst within the Energy Efficiency and Environment Division of the International Energy Agency (IEA). Originally from New Zealand, Nina began her career as a lawyer in resource management, before joining the IEA in 2008 where she worked for six years on various climate change and energy efficiency related policy issues. Most recently, Nina was the project manager and of the IEA's study on the multiple benefits of energy efficiency – which involved a two-year research programme engaging more than 300 experts in various disciplines in which the impacts of energy efficiency have been witnessed. Nina is now based in Dublin, consulting on the multiple benefits of energy efficiency with partners in Europe and further afield.



ULRIKA WISING - Improving a Company's energy culture - case studies

Ulrika Wising leads the Sustainable Energy Services team in Europe for DNV GL. She holds a PhD in Chemical Engineering, specialized in Energy Efficiency in Industry and a Master Degree in Chemical Engineering with a process focus. Since leaving academia Ulrika has worked in the field of Energy Efficiency in Industry, helping large corporation improve their energy efficiency. For the last few years her focus has been on energy efficiency through behaviour change and she has developed a new program helping industry overcome organisational barriers for energy efficiency



DR. RICK GREENOUGH - Modelling for Industrial Energy Efficiency

Dr Rick Greenough is a Reader in Industrial Sustainability. He began his career in aircraft manufacturing where he worked for 12 years before becoming an academic, initially at The University of Bolton and then at Cranfield University, where he was awarded a PhD in advanced manufacturing and worked for 13 years as a lecturer. He joined De Montfort University in 2009 to study industrial sustainability, and he now leads the research at the Institute of Energy and Sustainable Development. Rick also leads an MSc course in 'Energy and Industrial Sustainability' and is currently leading DMU's work in energy modelling as part of an FP7 project to demonstrate the application of renewable energy technologies to three large European factories. Rick has supervised 13 students to successful completion of doctoral degrees, and published 26 peer reviewed journal articles. He has reviewed proposals for EPSRC and regularly reviews articles for the International Journal of Advanced Manufacturing Technology and

ENERGY EFFICIENCY BENEFITS FOR INDUSTRY

SME Exhibition & Industry Conference
Limerick Institute of Technology
1st April 2015

KEY SPEAKERS



HILCO HAKMAN – Energy Consultant Services Manager, Electric Ireland

Hilco is an experienced engineer and has worked in the telecommunications construction Industry for 20 years implementing cable network projects worldwide in the Middle East, the Far East, Africa and the Caribbean. In 2001 Hilco moved to ESB Contracts to manage their telecom construction division. In 2005 Hilco had a career change and left the construction business behind. He moved to ESB Independent Energy, now known as Electric Ireland, to become their manager energy consulting services for the Business markets. Energy consulting services is an integral part of Electric Ireland's business. Electric Ireland wants to build long terms relationships and work together with business customers to improve their energy efficiency, reduce their energy consumption, reduce their energy cost, improve their carbon footprint and become more competitive.



JOHN COSGROVE – Total Energy Management in Production Operations

John Cosgrove is the founder and Technical Director of the ACORN Research Centre at Limerick Institute of Technology (LIT), a community of 30 Researchers and an income of €4 million. The centre has completed research projects for Industrial, Commercial and Utility Applications in conjunctions with 10 industry partners and has provide research mentoring to over 30 enterprises. As well as being the Lead PI for the TEMPO Project and PI of the International Energy Research Centre (IERC), John is also an experienced researcher, reviewer and evaluator at EU Project level. John was Rapporteur for the Horizon 2020 Research Roadmap "Factories of the Future beyond 2013" and a member of the European Factories of the Future Research Association (EFFRA). In Academic terms, John has contributed to 20 international conference /journal publications and has supervised 14 research masters and currently has 2 researchers embedded in manufacturing plants in Ireland.