



Energy Efficiency in Surface Finishing and Manufacturing Seminar

This is one of the annual seminars organised by Institute of Metal Finishing (IMF) Irish Branch.

The aim of the seminar is to lower the impact of increasing energy prices through energy efficiency by promoting savings on electricity, gas and fuel without compromising the productivity and existing standard/quality and indeed achieving further cost savings and protect environment.

The seminar will provide an overview of the real case studies. The attendees will have the opportunity to listen to a number of leading professionals in the metal finishing and manufacturing field with a special emphasis on energy efficiency and cost saving. Participants will also have the opportunity to tour the impressive Caterpillar Electric Power Division manufacturing facility at the Monkstown Plant.

Seminar Date: September 14, 2011, Wednesday

Venue: FG Wilson Engineering, 370 Doagh Road, BT36 6XL, Monkstown, Co. Antrim, UK

PROGRAMME

CHAIR: Dr. Bulent Tepe (IMF Irish Branch Committee Member)

10:00 Registration, tea/coffee

10:20 Ann Brown, Plant Manager, FG Wilson Engineering, Monkstown

Welcome Address and Introduction to FG Wilson:

10:40 Dr. Nick Welton, Technical Manager, Valspar

Low Bake Powder Coatings:

Powder coatings offer an environmentally friendly solution for providing a high quality finishing system for equipment. In order to reduce the environmental footprint of powder coatings further considerable focus on low bake powders has delivered new coatings that offer benefits to the coating plants in a number of areas.

This paper will review the current low bake technology that has been developed and consider the key challenges encountered during the development phase. The benefits to the coater will then be discussed with a view to increasing efficiencies in the coating operation.

11.10 Thomas Willumeit, European Sector Manager, Chemetall

Eco-friendly and high quality metal pre-treatment:

As a global market leader of surface treatment, Chemetall is focused on the development of innovative and environmentally sound technologies such as the silane-based OXSILAN® technology. This established and multi-metal alternative offers the

same functionality and quality of a modern phosphating process with further advantages on top.

OXSILAN® is eco-friendly as it does not contain any heavy metals such as nickel and chrome. Low water and energy consumption result in significant process costs savings while fewer treatment baths - activation and passivation are not required - lead to higher productivity.

11:40 Break for tea/coffee

12:00 James Dunlop, Client Manager, Carbon Trust NI.

Carbon Trust Northern Ireland:

UK Carbon Reduction Targets, Energy Prices and Policy Landscape.

Overview of Carbon Trust in Northern Ireland.

Previous work in the Light Engineering Sector and work with manufacturing NI.

Energy Efficiency Case Studies.

Financial Support available from the Carbon Trust

12:30 Mike Milner, Technical Manager, Redford Design Ltd.

Controlling Paint Plant Energy Costs:

Rising energy prices are increasingly impacting on product finishing cost, this paper sets out to examine methods of reducing these costs through improved control system design. Detailed methods of monitoring and controlling individual items of equipment, which make up a plant will also be considered and illustrated by a series of case studies.

1.00 Panel discussion on issues raised in the presentations.

1.30 Buffet Lunch.

2.15 Paul Whittingham, UK Remote Services Operations Manager, Schneider Electric

The Energy Dilemma:

Energy together with recession are the hottest topics these days: as citizens, business people, human beings, we are all concerned. We know that energy demand will double by 2050, electricity demand as well by 2030, 70% coming from new economies such as China or India. If energy consumption per capita in China & India reaches US level, world consumption would triple. On the other hand, 1.6 billion people have no access to electricity

What can you do as a human being, to reduce your carbon footprint while living our life? We, as a company, ask ourselves the same question: what can we do to achieve more for our customers, be more profitable, while using less of our common planet?

2.45 Discussion and close.

3.00 Plant tours.



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How to Book:

Please reserve _____ places at the Energy Efficiency in Surface Finishing and Manufacturing Seminar on 14th of September 2011.

£50/€55 for IMF members, £60/€65 for non-members.

Tea/coffee and lunch included.

Name Surname :
Company :
Address :
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Telephone :
Fax :
Email :
Credit Card Number :
Expiry Date :
CVC :
Signature :

Alternatively, you can pay by cheque or pay pal. Please contact;

Ann Hopper (IMF, Irish Branch Treasurer)
Tel: 003523 86 2544166
Email: ann.hopper@dit.ie