



# EFCTC NEWSLETTER

## An update on fluorocarbons and sulfur hexafluoride

**ISSUE 41 – December 2006**

### **“KEEPING COOL” EPEE CONFERENCE : SUSTAINABILITY THROUGH ENERGY EFFICIENCY**

Refrigeration and Air Conditioning systems use 15 % of the World electricity, and [Energy Efficiency](#) plays a key role in reducing their climate impact, up to 90 % of which is due to energy consumption, so HFCs contribute only a small part.

To emphasize this point, [EPEE](#) organized a conference “KEEPING COOL - Sustainability through Energy Efficiency in Refrigeration and Air Conditioning” on October 3, 2006 in Brussels.

The recent [F-Gas Legislation](#) will lead to improved performances as a result of its emphasis on containment and leakage control.

Better design, better installation and better operations can dramatically improve the energy efficiency of Refrigeration and Air Conditioning systems.

Full lifecycle impact assessments, such as the Eco-efficiency assessment, combining environmental and cost evaluation, illustrate the benefit of energy efficiency improvements compared to singling out specific substances.

Source : <http://www.epeeglobal.org/newsflash/ConferenceProceedings.pdf>

### **NOVEMBER 2006 MONTREAL PROTOCOL MEETING MAIN RESULTS**

The 18th Meeting of the Parties to the [Montreal Protocol](#) on Substances that Deplete the Ozone Layer (MOP-18) was held in New Delhi, India in November 2006.

A preparatory segment was held from 30 October to 1 November, followed by a high-level segment for ministers and other heads of delegation from 2-3 November.

A wide range of decisions were taken on a number of issues:

- essential use exemptions for CFCs for [MDIs](#)
- terms of reference for environmentally-sound destruction of [ODS](#)
- sources and reductions of carbon tetrachloride (CTC) emissions
- a number of decisions on methyl bromide
- metered dose inhalers (MDIs) for Article 5 (developing country) parties
- compliance with the Protocol.



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A number of other issues were addressed:

- stockpiling of ODS
- reduction in CFC production in developed countries for the Basic Domestic Needs of developing countries
- further work on the actions resulting from the Workshop on the [IPCC/TEAP Special Report](#) on Safeguarding the Ozone Layer and the Global Climate System (see below)
- monitoring of the movement of ODS
- more importantly, the key challenges to be faced by the Parties to the Protocol in the future.

### **Follow-up of the Workshop on the [IPCC/TEAP Special Report](#):**

Decision XVIII/12 requests [TEAP](#) to further assess the list of practical measures from the [Workshop Report](#). These actions are a long list of measures that can be taken in order to reduce both ozone depletion and climate change impacts of ODS.

The TEAP was requested to provide information on current and future demand for, and supply of, HCFC-22 giving full consideration to the influence of the CDM<sup>1</sup> on HCFC-22 production.

<sup>1</sup> Clean Development Mechanism – one of the instruments of the Kyoto Protocol

### **HFC-BLOWN SPRAY FOAM FOR THE NEW ORLEANS “LOUISIANA SUPERDOME” ROOF**

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HFC-blown PU (Polyurethane) Spray [Foam](#) is able to resist hurricane force winds, which is not the case with traditional roofing materials.

This is why HFC-blown foam was chosen to restore the 40,000 m<sup>2</sup> permanent roof of the 70,000 seat New Orleans “Louisiana Superdome”, severely damaged by hurricane Katrina in August 2005.



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The closed-cell PU foam forms a seamless seal that grips the roof surface, including any irregular shapes.

Under the most extreme weather conditions, commercial or residential buildings sprayed with PU foam have performed exceptionally well in terms of resisting short- and long-term damage from the effects of wind and flood, while providing superior thermal insulation.

Source : Product Manufacturer

### **HFCs FOR THE HOSPITAL SAN PIETRO IN ROME**

HFC based [Air Conditioning](#) has been selected for the "Ospedale San Pietro" in Rome, in order to control in each sector, centrally or locally, the temperature and the humidity of the atmospheres to meet specific climatic requirements.

Cooling and heating are guaranteed in the summer and winter seasons, and dehumidification is carried out, whenever necessary, throughout the year.

The San Pietro Hospital began its activity in 1941, and is an important health resource in the North of Rome. It accommodates an Accident and Emergency Unit and many other specialist medical units, besides a blood transfusion centre and a Nurses School.



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Source : Equipment manufacturer

## **NEW ON OUR SITE**

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### **GENERAL LIBRARY – REGULATORY DOCUMENTS**

[Handbook for the International Treaties for the Protection of the Ozone Layer](#) (7th Edition – 2006) [PDF] (2 MB)

## **NEW LINKS ADDED**

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### **REFRIGERATION – EU**

**REFRIPRO** - European refrigeration and air-conditioning industry Website  
<http://www.refripro.eu/>

### **OFFICIAL ORGANIZATIONS – INFORMATION SOURCES**

**MNP** (Netherlands Environmental Assessment Agency) - Climate Change

<http://www.mnp.nl/en/dossiers/Climatechange/index.html>