



Press release

shecco unveils early results of natural refrigerant survey in China at Gustav Lorentzen 2014

Brussels, 11 September 2014: At the 11th biennial Gustav Lorentzen conference on Natural Refrigerants, jointly organised by the International Institute of Refrigeration (IIR), the Chinese Association of Refrigeration (CAR) and the Zhejiang University, shecco presented two papers on the use of CO₂, ammonia, hydrocarbons, water and air as refrigerants across different regions. In addition to sharing preliminary results from an ongoing survey into the existing market and market potential, of natural working fluids in China, shecco discussed global and European taxation trends relating to fluorinated gases.

A key opportunity for academia and technical experts in the heating, refrigeration and air conditioning industry to learn about the latest natural refrigerant research and technologies, shecco was proud to support the 2014 Gustav Lorentzen conference, not only through two presentations, but also through silver sponsorship, an exhibition booth, and reporting on R744.com, hydrocarbons21.com, ammonia21.com, and R718.com.

Natural refrigerant research focuses on CO₂ commercial refrigeration solutions for warm climates

Marc Chasserot, shecco's Managing Director, presented a paper providing an overview of natural refrigerant use in the food retail sector in North America, Europe, China & Japan. According to shecco's market research, Europe is a leader when it comes to CO₂ transcritical technology with an estimated 3,000 CO₂ stores in operation, more than any other region in the world. This high figure is largely attributed to regulatory activities at the national and EU level.

The European trend towards increasing investment in CO₂ commercial refrigeration is influencing on other regions such as Japan, North America, and China, which are starting to catch up. With R&D focusing on solutions for warmer climates, integrated systems for heating & cooling, as well as smaller systems for convenience stores, the market uptake of CO₂ is predicted to continue apace around the world.

In his presentation, Chasserot provided an exclusive sneak peek at the preliminary results of shecco's survey examining the use of natural refrigerants and their market potential in China. The bilingual Chinese/ English survey, launched in the summer of 2014, has already received over 250 responses, the majority from system manufacturers. Initial results suggest that 40% of respondents plan to provide products or services with natural refrigerants in the future, and that a big shift to CO₂ and hydrocarbons in China can be expected by 2020. The final survey results of the survey, which is still open to HVAC&R experts with operations in China, will be presented in the first-ever GUIDE

China, prepared by shecco in collaboration with the Chinese Association of refrigeration (CAR).

A growing appetite for HFC taxes in Europe and around the world

The second shecco paper was presented by Senior Analyst Klara Skacanova, and focused on a comparison of HFC tax schemes both inside and outside Europe. With more and more countries looking at ways to externalise environmental costs through taxation, there are many lessons to be learned from the experiences of those countries where a tax on HFCs has been in place for several years.

According to Skacanova the level of taxation varies significantly from country to country. Taking into consideration additional criteria such as the scope of a tax and incentives for producer responsibility, tax levels are a good indication of the overall ambition of the scheme.

To be fully effective, shecco's analysis shows that a tax on HFCs needs to be complemented by other measures, such as standards, training, and awareness raising, as well as receiving government and industry support.

About shecco

For more than a decade market development expert shecco has been active in helping bring climate friendly technologies faster to market. shecco supports over 100+ partners worldwide in the HVAC&R sector, where the focus is on sustainable refrigeration, heating & cooling technologies using natural refrigerants. shecco offers a variety of services in three areas: 1) media & publications, including online industry platforms and a catalogue of dedicated research reports; 2) business development, including market research, consultancy and public affairs services, as well as special international projects; and 3) events, including international conferences and national workshops.

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