

**Journey to a naturally sustainable future**

## **eurammon Symposium 2022 again online**

**Frankfurt, 10 June 2022** - From 4 to 8 July 2022, eurammon, an association of companies, institutions, and individuals committed to the promotion and use of natural refrigerants, will hold their annual Symposium titled "Journey to a naturally sustainable future". As the digital format has been well received by participants in previous years, the event will again be held online over 5 days from 9:00 – 11:30 each morning. Registration for the Symposium is now open via e-mail to [cornelia.roth@eurammon.com](mailto:cornelia.roth@eurammon.com).

### **Contributions to a sustainable and energy-efficient economy**

This year, eurammon is taking participants on a week-long journey into the future. In online lectures and a virtual panel discussion, the industry looks at the importance of its products for a sustainable and energy-efficient economy.

"Natural refrigerants will play an important role in creating a sustainable future for our planet. The eurammon 2022 online symposium builds on the success of last year and looks at the use of natural fluids for cooling and heating applications across a wider range of industries, says Rob Lamb of Star Refrigeration Ltd., chairman of the Steering Committee of eurammon e.V.

### **A week-long journey into the future**

The subjects on day one will help set the scene for the rest of the week, they will include the European Green Deal, the UK Institute of Refrigeration's 'Beyond Refrigeration' initiative and developments in the use of ammonia as a fuel. Day two will focus on regulatory news, dealing with the proposed changes to the EU F-gas regulation and providing updates on the IEC 60335-2-40 and EN378 standards. Days three to five will look at the new technologies and case studies that are helping industry move to a sustainable future.

"With the online symposium, we are reaching out to a global audience interested in natural refrigerants," says Lamb. "The symposium is a chance to learn, ask questions and share knowledge. We look forward to many participants joining us from the 4 to 8 July."

## Programme

### 4 July – Keynote speeches

- 9:00 Welcome & greeting, Michael Freiherr, Chairman eurammon e. V.
- 9:10 Green deal in Europe, Andrea Voigt, Danfoss A/S
- 9:55 Beyond Refrigeration, Graeme Maidment, Institute of Refrigeration
- 10:40 Break
- 10:45 Ammonia engine development for marine propulsion, Johan Kaltoft, MAN DK
- 11:30 Concluding remarks, Michael Freiherr

### 5 July – Policy and regulations update

- 9:00 Introduction, Michael Rabenstein, Evapco Europe GmbH
- 9:10 F-gas regulation, Cornelius Rhein, European Commission
- 9:40 Break
- 9:45 IEC 60335-2-40, Asbjørn Vonsild, Vonsild Consulting
- 10:15 European standardization for refrigerating systems using flammable refrigerants, especially standard series EN 378, Carsten Hoch, TÜV Süd Industrieservice GmbH
- 10:45 Break
- 10:50 Panel discussion: Cornelius Rhein, Asbjørn Vonsild, Carsten Hoch,  
Moderator: Michael Rabenstein
- 11:20 Concluding remarks, Michael Rabenstein

### 6 July – Natural refrigerants for the cold chain

- 9:00 Introduction, Lambert Kuijpers, A/genT Consultancy
- 9:10 Industrial refrigeration production plants: “Heat recovery, reduced CO2 emissions!”,  
Michael Elsen, Kreuzträger Kältetechnik GmbH & Co. KG
- 9:40 Break
- 9:45 Heat pump integration in a plant based meat solution factory and needs to achieve  
decarbonization from an end-user perspective, Vincent Grass, Société des Produits  
Nestlé S.A.
- 10:15 Predicting annual refrigeration energy consumption in temperature-controlled facilities,  
Robert Lamb, Star Refrigeration Ltd.
- 10:45 Break
- 10:50 "Waterloop" solutions for sustainable supermarkets – 100% propane for natural and  
efficient cooling and heating, Herbert Schupfer, Güntner Group Europe GmbH
- 11:20 Concluding remarks, Lambert Kuijpers

## **7 July – Education and developments in RACHP**

- 9:00 Introduction, Monika Witt, TH. WITT Kältemaschinenfabrik GmbH
- 9:10 New technologies applied to natural refrigerants education, Carlos Llorca and Juan Carlos Rodríguez, AEFYT
- 9:40 Break
- 9:45 Ventilation systems for Carbon Dioxide and Ammonia, Dermot Cotter, Star Technical Solutions
- 10:15 A calculation comparison of two secondary fluids for optimizing savings energy and/or material savings, Roger Rosander, Temper Technology AB
- 10:45 Break
- 10:50 Applying the natural refrigerant CO2 to improve energy efficiency of AC cooling and water heating in hotels and hospitals, Klaas Visser, KAV Consulting Pty Ltd.
- 11:20 Concluding remarks, Monika Witt

## **8 July – Natural refrigerant heat pumps**

- 9:00 Introduction, Robert Lamb, Star Refrigeration Ltd.
- 9:10 Heat exchanger solutions for air-source heat pump application in medium and large scale, Franz Sperl, Güntner GmbH & Co. KG
- 9:40 Break
- 9:45 Decarbonise heating - securing high energy efficiency with plate heat exchangers, Tommy Angback, Alfa Laval Technologies AB
- 10:15 Heat pump energizers for district heating Tim Thøgersen, Evapco Denmark
- 10:45 Break
- 10:50 eurammon Technical Committee Industrial Heat Pumps – standards and energy efficiency, Alexander Cohr Pachai, Johnson Controls Denmark
- 11:15 Concluding remarks, Robert Lamb

### **About eurammon e.V.**

eurammon e. V. is a registered association in which companies, institutions and individuals committed to the increased use of natural refrigerants have joined forces. As a centre of competence for the use of natural refrigerants in refrigeration technology, the association sees its task as providing a platform for information and exchange and increasing the level of awareness and acceptance of natural refrigerants. The aim is to promote their use in the interest of a healthy environment and thus to further develop sustainable management in refrigeration. eurammon provides comprehensive information to experts, politicians and the general public on all aspects of natural refrigerants and is available to all interested parties as a competent contact. For users and planners of refrigeration projects, eurammon provides concrete project experience as well as extensive information material and advises them on all questions related to planning, approval and operation of refrigeration systems. eurammon e. V. was founded as an initiative in 1996 and registered as an association in 2018.

[www.eurammon.com](http://www.eurammon.com)

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