

KNOWLEDGE SESSION



Successful Demonstration and Future Scope of Natural Refrigerant Systems in India

05th October 2024 | Time : 10:00 AM – 01:00 PM
 Venue – Biswa Bangla Mela Prangan, Kolkata



Key Speakers



Dr. Yosr Allouche
 Director General of the International Institute of Refrigeration (IIR)



Prof. Armin Hafner
 Professor, NTNU Norway



KM Manikkandan
 Managing Director, Kardi Dryers (P) Ltd



Dr. Kristina N. Widell
 Senior Research Scientist, SINTEF Ocean, Norway



Prof. MP Maiya
 Professor, Department Of Mechanical Engineering, IIT Madras



Prof. Pramod Kumar
 Professor, Interdisciplinary Centre for Energy Research, IISc Bengaluru



Prof. MS Dasgupta
 Professor, Department of Mechanical Engineering, BITS Pilani, Rajasthan



Torgrim Asphjell
 Chief Engineer, Norwegian Environmental Agency



Sonal Kumar
 Programme Lead, CEEW, New Delhi



Dr. Krzysztof Banasiak
 Senior Researcher, SINTEF Energy Research



Dr. Sarun Kumar Kochunni
 Post Doctoral Fellow, NTNU Norway



Dr. Simarpreet Singh
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Marco Bless
 Researcher, SINTEF Energy Research



Lukas Köster
 Researcher, SINTEF Ocean, Norway



Dr. Siva Kumar Reddy
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Dr. Chayan Das
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Prosenjit Singha
 Ph.D, BITS Pilani



Vinod Laguri
 Ph.D, Interdisciplinary Centre for Energy Research, IISc Bengaluru



Dr. Arun BS
 Post Doctoral Fellow, ICAR-CIFT Kochi, Kerala

Conference Schedule

INTRODUCTION SESSION

Topic
Global Challenges of the Refrigeration Sector
Potential for Natural Refrigerant Based Systems for Refrigeration Applications in India - Challenges and Opportunities
Heat Pump for Drying Applications - A Case Study
INDEE+ Project: Outcomes and Contributions to Indian Cooling Applications

INDEE+ INDUSTRIAL DEMONSTRATION SITES AND ACADEMIC EDUCATIONAL UNITS

Topic
Potential of CO ₂ Heat Pump for Hospital Applications.
Clean Cooling Solution to Meet the Heating Cooling Demand in Milk Processing
Onboard Ice Production in Small Fishing Boats Using Natural Refrigerants
Hotel Decarbonisation Using R744 Heat Pump/Chiller in India
Performance Evaluation of CO ₂ -NH ₃ Cascade Refrigeration System for Seafood Deep Freezing
Learnings from CO ₂ Refrigeration and Heat Pump Systems Developed in India

PANEL DISCUSSION 1

Topic
How India can Transition to Clean Refrigerants

PANEL DISCUSSION 2

Topic
Solutions for Reducing Food Loss and Waste in Cold Chains

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SPEAKERS FROM



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