



In association with



---

## Selecting and Best Service Practices for Air Conditioning and Refrigeration Equipment Using Next-Generation Refrigerants for Energy Efficiency and Climate Protection

*A Workshop on latest developments in best practices, energy efficiency, and innovative refrigerants for stationary and mobile air conditioning in India*

---

**Date:** Wednesday, 5<sup>th</sup> of March 2014

**Venue:** Bajaj Hall, Mahratta Chamber of Commerce, Industries and Agriculture,  
Senapati Bapat Road, Pune, Maharashtra-411016, India

---

*Selecting and Best Service Practices for Air Conditioning and Refrigeration Equipment Using Next-Generation Refrigerants for Energy Efficiency and Climate Protection is a one-day event to bring together India's business, government, air conditioning trade associations, and civil society leaders to share the latest information on ozone-safe, low-GWP, energy-efficient Room Air Conditioning (RAC) and Mobile Air Conditioning (MAC).*

### OBJECTIVES

- Update best practices in refrigerant containment and product service.
  - Discuss the latest developments in emerging refrigerants.
  - Identify the energy efficiency advantages of the emerging refrigerants and the refrigeration and air conditioning systems.
  - Deliberate cost and availability of refrigerants in specific sectors.
  - Anticipate and gain access to financing for the transition from HCFCs and HFCs.
-

**9:00 – 13:00 MORNING SESSION**

Time	Subject
08:30 – 09:00	<b>Registration/Coffee &amp; Tea</b>
09:00 – 09:20	<b>Welcome and Opening Address</b> <i>Mr. A. Sardeshmukh, Director General, Mahratta Chamber of Commerce, Industries and Agriculture;</i> <i>Mr. Jayant Joshi, President ASHRAE Pune Chapter</i> <b>Goals and Objectives</b> <i>Mr. Rajendra Shende, TERRE Policy Centre (TERRE)</i>
09:20 – 09:30	<b>International Scenario on Emerging Refrigerants and Energy Efficiency</b> <i>Dr. Stephen O. Andersen, Institute for Governance &amp; Sustainable Development (IGSD)</i>
09:30 – 09:50	<b>Refrigerants: Indian Perspective</b> <i>Prof. (Dr.) Atul Padalkar, Founder and Principal, Flora Institute of Technology, Pune</i>
09:50 – 10:30	<b>HCFC Phase-out Management Plan</b> <i>Mrs. Smita Vicahre, GIZ</i>
10:30 – 11:15	<b>Ammonia Refrigeration and Scenario in Industrial Refrigeration</b> <i>Mr Ramesh Paranjpey, ASHRAE Fellow and Life Member</i>
11:15 – 11:25	Coffee Break
11:25 – 12:00	<b>Discussion</b>
12:00 – 13:00	<b>Best Practices in Emissions Reductions in the MAC Sector</b> <i>Mr. S.H. Kapoor, Technical Chief (Climate Control), TATA Motors Ltd</i> <b>Technical Challenges with Alternative Refrigerants for Automotive Air Conditioning Applications</b> <i>Mr. Selvaraji Muthu - DGM - R&amp;D (NTG), Subros</i>
13:00 – 14:30	Lunch

**14:30 – 18:00 AFTERNOON SESSION**

Time	Subject
14:30 – 14:55	<b>New Case studies on Low GWP alternative refrigerants for HFCs</b> <i>Mr Abhijeet Kudva, Strategic Marketing Manager, Fluorine Products, Honeywell</i>
14:55 – 15:20	<b>Room Air-Conditioning and Energy Efficiency: LCCP Scenario</b> <i>Mr. Virmani, VP, Business development, Daikin</i>
15:20 – 15:45	<b>Refrigeration, Air Conditioning : Global Policies, Initiatives and Best Practices</b> <i>Ms. Danielle Fest Grabiell, IGSD</i>
15:45 - 16:10	<b>European F-Gas Regulations and Certification Requirement for technicians</b> <i>Mr. Marco Buoni, Vice President, AREA</i>
16:10 – 16:35	<b>Low GWP and Energy efficient Refrigerant in Cold Chain Projects</b> <i>Mr. Arvind Surange, ACR Project Consultants Pvt Ltd</i>
16:35 – 17:00	<b>Discussion: HFCs: Short-Term and Long-Term Future</b> <i>Mr. Rajendra Shende / Dr. Stephen O. Andersen</i>
17:00 – 17:15	Coffee Break
17:25 – 17:45	<b>Next Steps: Integrated HCFC-HFC Management Plan? Demonstration Projects? Greater Participation of Indian Experts on TEAP and its RTOC?</b> <i>Dr. Stephen O. Andersen, IGSD</i>
17:45	<b>Closing Remarks and Adjourn</b> <i>Prof. (Dr.) S. N. Sapali, H.o.D. Mechanical Engineering , College of Engineering, Pune</i>