

R744 For Light Commercial Applications

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Clever Cooling vs. Global Warming

A global initiative of companies taking action to combat climate change by replacing fluorinated gases in refrigeration equipment with climate-friendly natural refrigerants

Clear goal: Procure only HFC-free equipment for commercial stand-alone units

Recognized as a **“Partnership for Sustainable Development”** by the UN Commission on Sustainable Development

MEMBERS



PEPSICO



SUPPORTERS



Supported by UNEP and GREENPEACE



Climate Impact

Member companies have collectively:

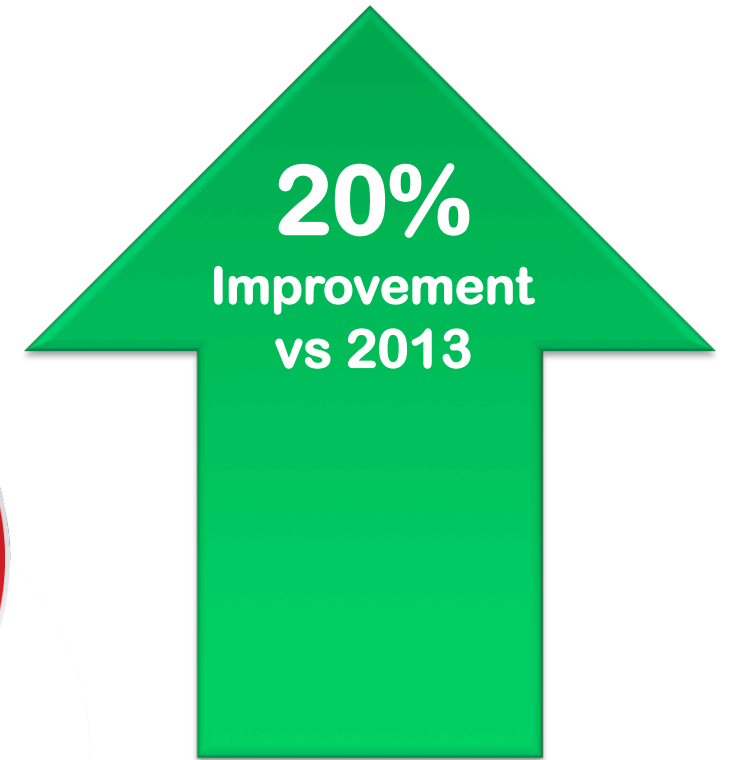
- Placed excess of **3 MM plus HFC-free** refrigeration units in major countries around the world
- Avoided more than **1.1 MM tons of CO₂** equivalent emissions



Today's Objective

- **Program progress**
- **Program challenges**
- **Training and servicing**

Progress



Availability



Proven Performance



versus HFC versions

78%

are more energy efficient



38%

are certified for harsh
ambient conditions

Program Challenges

Small Equipment

Developed
**thermo-electric
small cooler
solution**



4%

portfolio coverage
gaps



Range of CO2 Compressors

Developing
**variable speed
compressor**

Supply chain

Training and Servicing

We are not facing any major issue in servicing CO2 equipment:

- **Bottlers and third party servicing companies are receiving deep dive trainings by our equipment manufacturers**
- **New suppliers are trained by Sanden Japan (main CO2 compressor supplier)**
- **Training material and list of needed tools are made available from all OEMs**



solutions for europe
natural refrigerants

16-17 March 2015 in Brussels

Thank you very much!