



b u s i n e s s   c a s e

**natural refrigerants**

25 & 26 June 2015 - Atlanta, Georgia

## R744 For Light Commercial Applications

*Antoine Azar – The Coca-Cola Company*



# 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



## SUPPORTERS



# Climate Impact

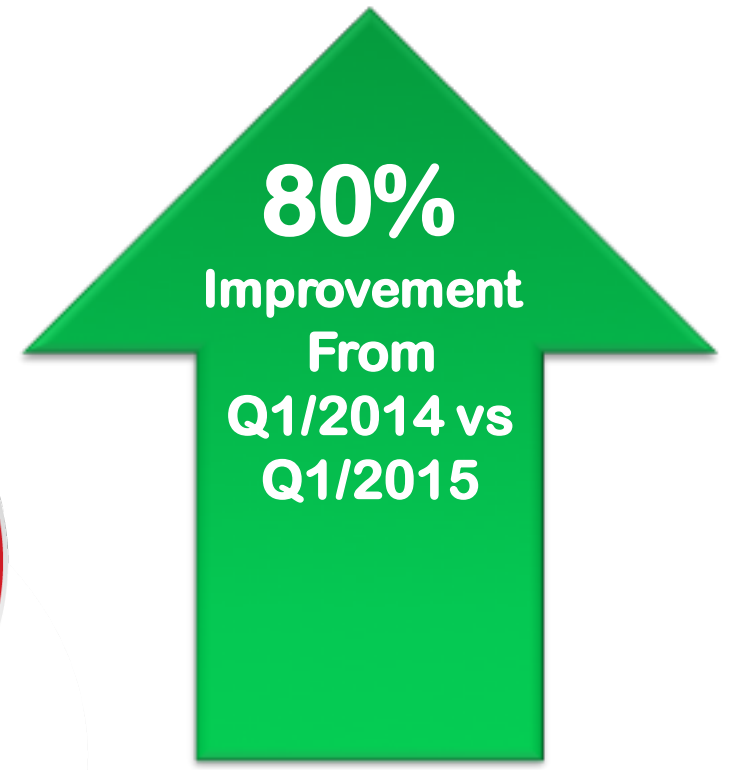
Member companies have collectively:

- Placed excess of **3 MM plus HFC-free** refrigeration units in major countries around the world
- Avoided more than **1.1 MM tons of CO<sub>2</sub>** equivalent emissions





# Progress




We are reaching the inflection point in our HFC-free global system adoption

# Availability




# Proven Performance



versus HFC versions

**75%**

are more energy efficient



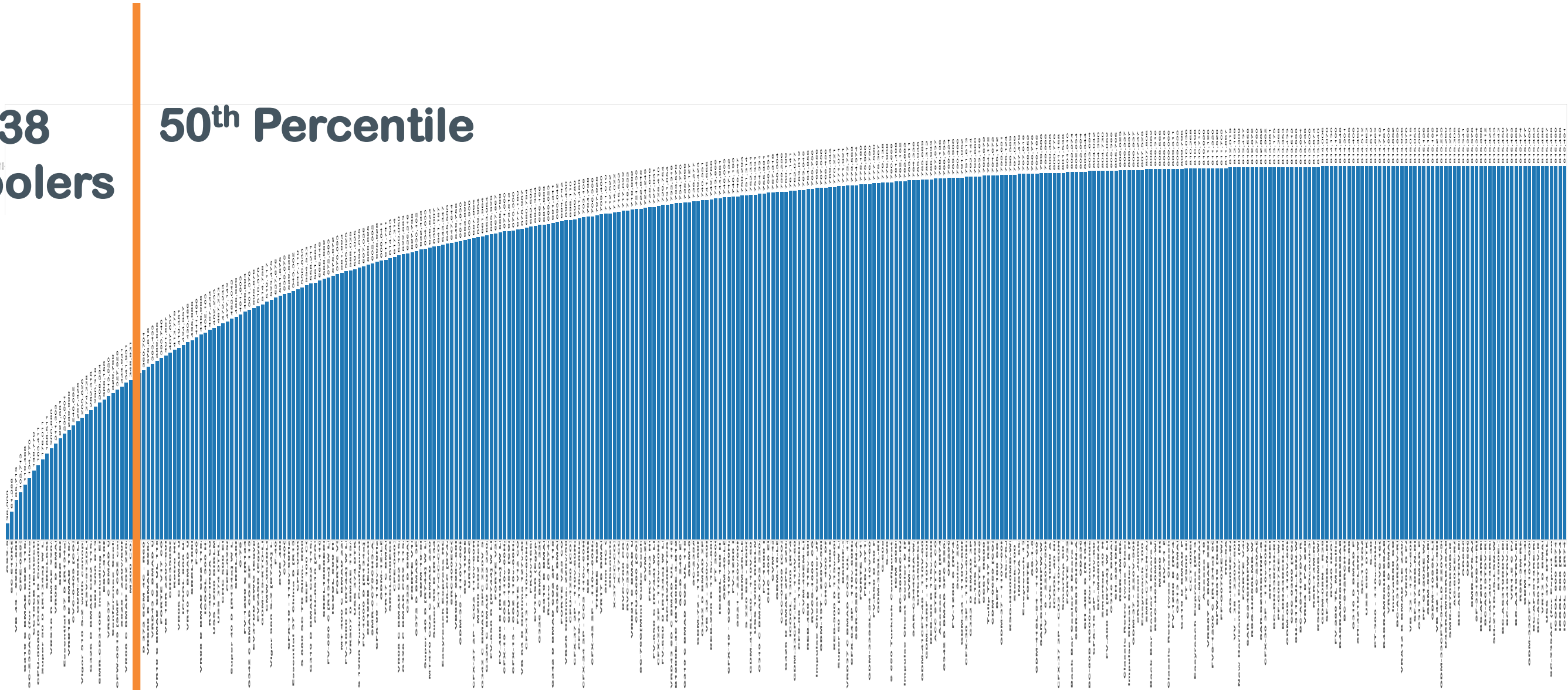
**40%**

are certified for harsh ambient conditions

# Challenges - Portfolio Complexity

**38**  
**Coolers**

**50<sup>th</sup> Percentile**



# 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**



business case

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**Thank you very much!**