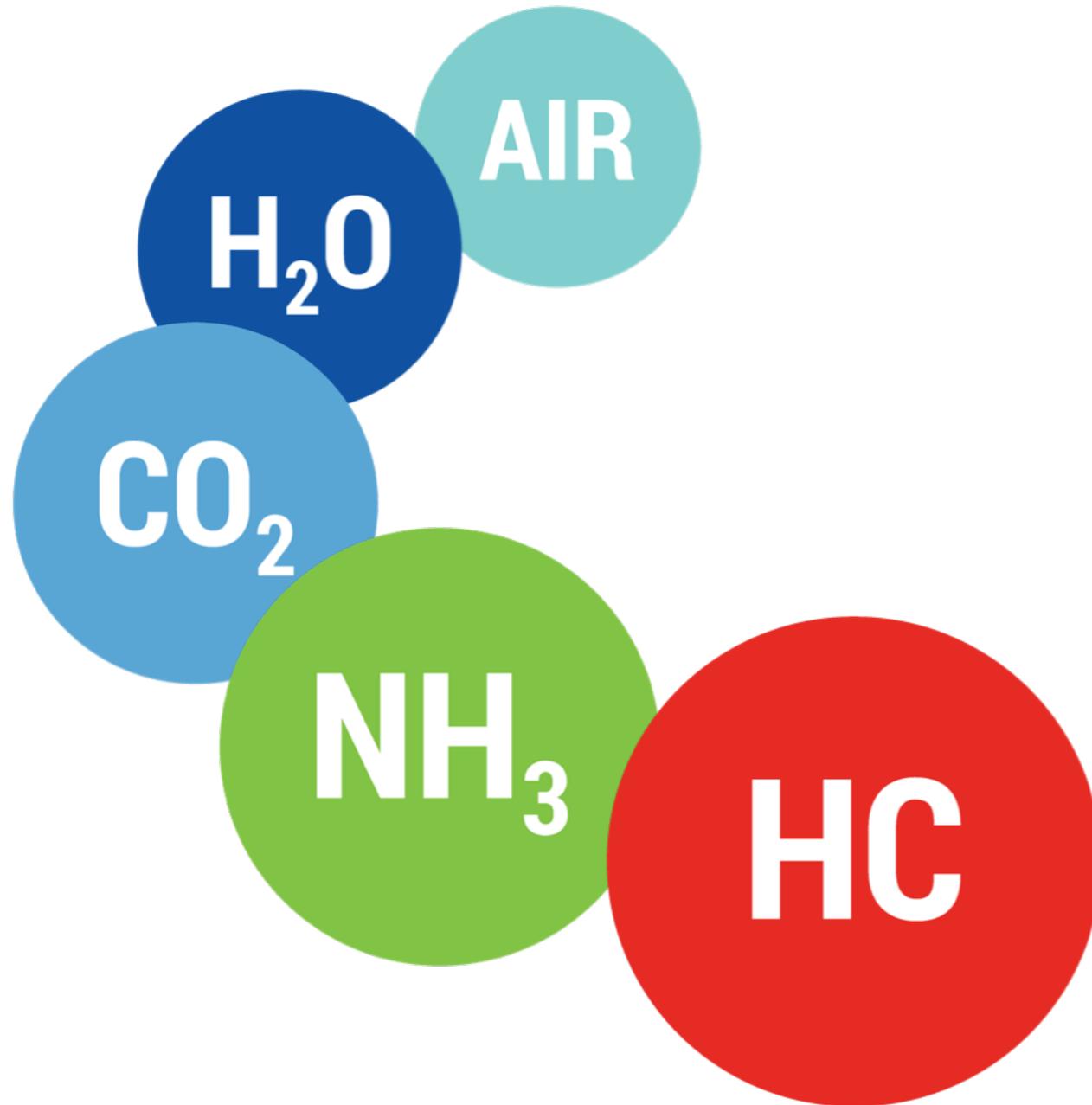




The Natural Voice - statement & objectives

ATMOsphere Network Paris / OEWG July '15



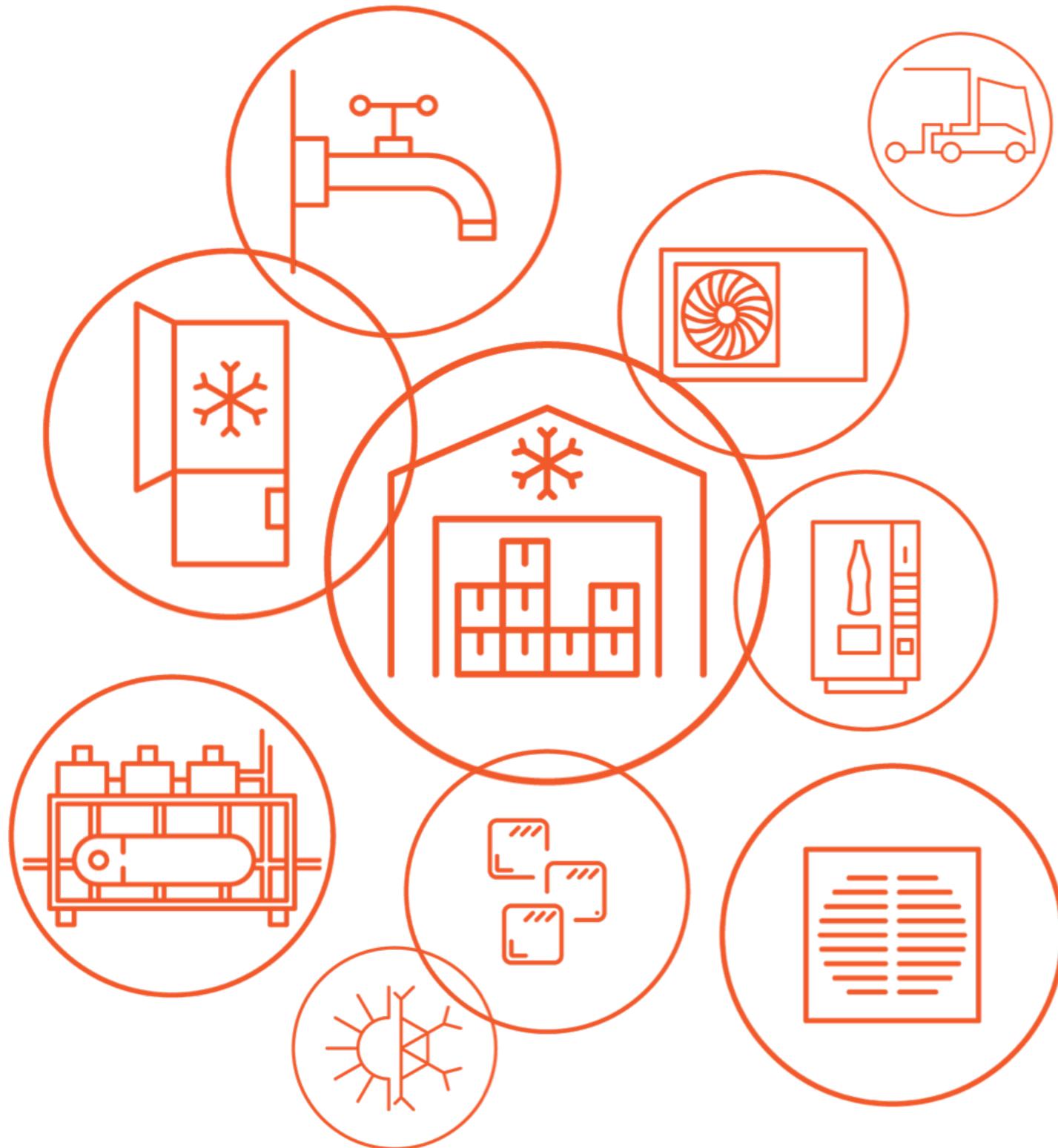
Natural Refrigerants (CO₂, ammonia, hydrocarbons, water, air) have negligible or no Global Warming Potential.

AND

they are more energy-efficient than HCFC / HFC options in a growing number of applications.



THE NATURAL VOICE: starting point & history



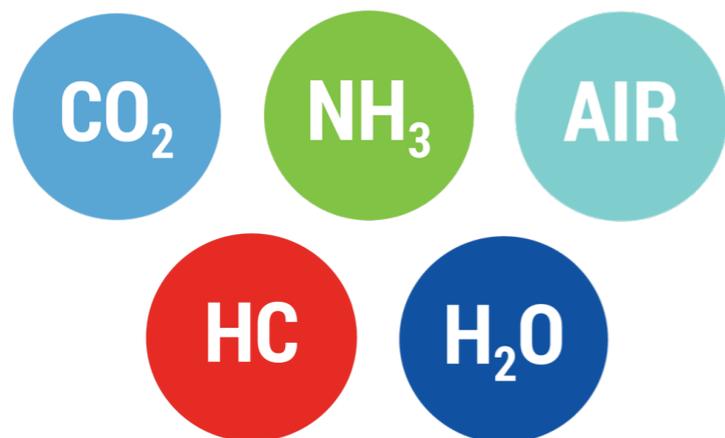
Natural Refrigerants (NR) are a mainstream solution in more and more industry sectors

OR

can replace fluorinated gases in many more applications in the near and medium future.



THE NATURAL VOICE: starting point & history



BUT

Natural Refrigerants are still not appropriately represented in national governments' plans to leap-frog HFCs.

AND

not enough industry end-users and individual consumers know about their properties and advantages.



THE NATURAL VOICE: starting point & history

THE NATURAL VOICE

HOME ABOUT SIGNATORIES CONTACT US en jp ru es



THENATURALVOICE is a global call for action supported by industry and research that points to the environmental, economic and social potential of natural refrigerants in heating, cooling & refrigeration.

RECOMMENDATIONS TO CLIMATE NEGOTIATORS

SIGN THENATURALVOICE

- PREAMBLE -

Climate change is happening and has been caused by increased and largely uncontrolled emissions of greenhouse gases from human activities.

We can reduce our contribution to climate change and the Durban agreement is an unprecedented opportunity to achieve this.

International climate negotiations must learn from past errors to avoid repeating history's costly social and environmental lessons. Both individual and collective action is now needed to halt anthropogenic climate change.

Each Nation and each Industry Sector bears an individual responsibility in the fight against climate change. The refrigeration, heating and cooling industry recognizes the role it can play to reduce direct and indirect emissions of greenhouse gases.

The organisations who endorse this statement call upon the negotiators of the Durban

90 SIGNATORIES



In 2010, the first The Natural Voice statement was launched as a global call to international climate negotiators to

- acknowledge the environmental, economic & social potential of NR
- send a positive message that an ambitious HFC phase-out is possible

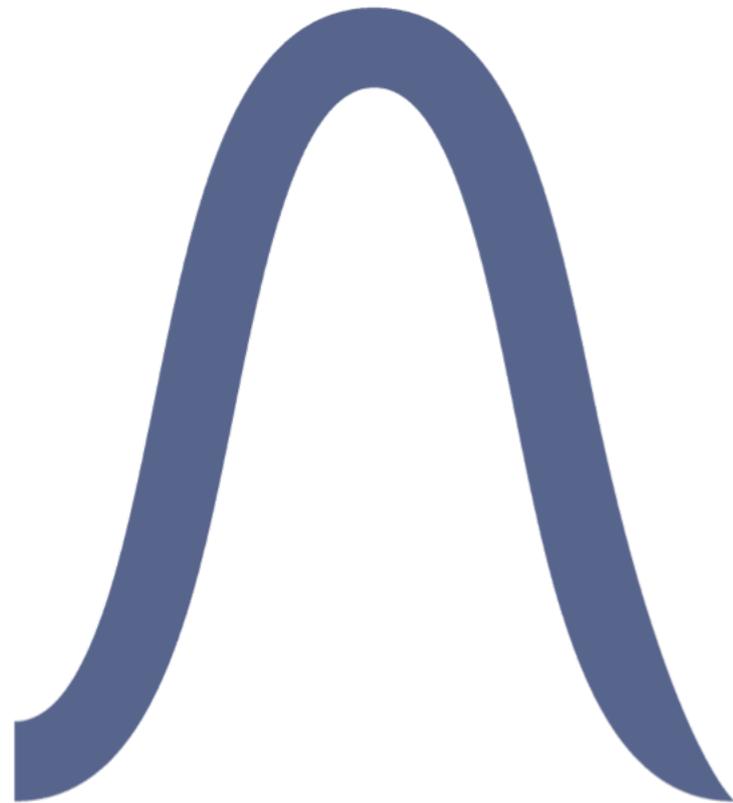


In 2015, The Natural Voice is relaunched to extend its reach to

- national governments,
- industrial end-users,
- the individual consumer

AND

- reach further into the future.



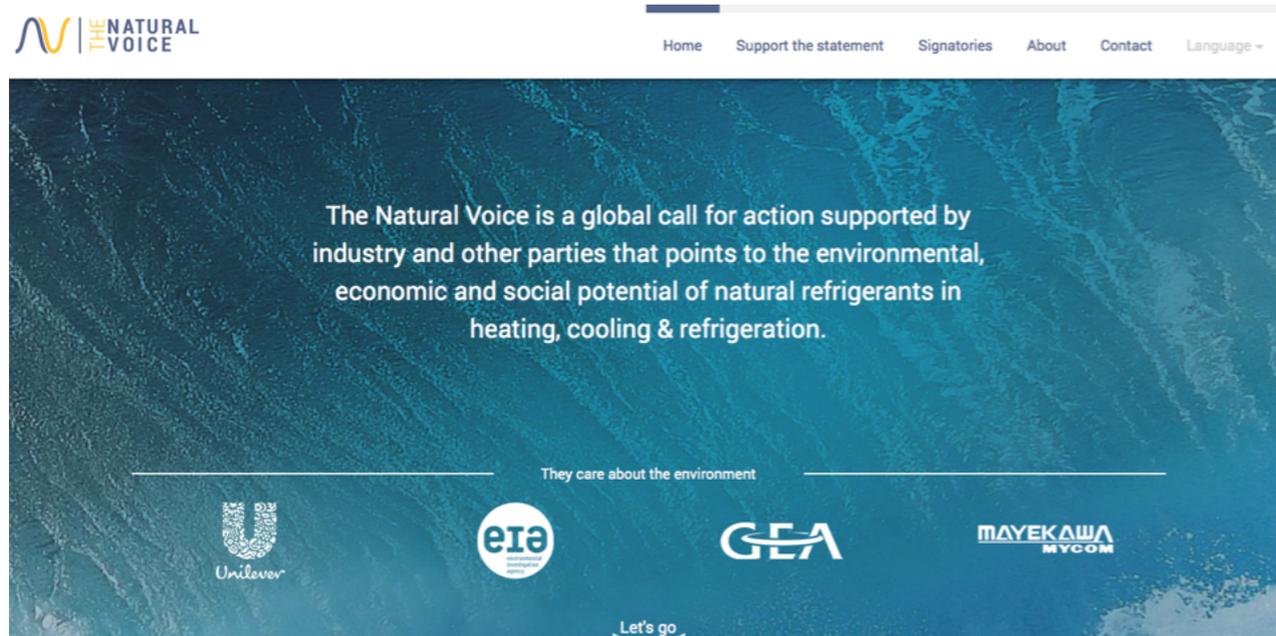
increase

It stays an **open global statement** supported by Industry and other parties speaking out **about the potential of Natural Refrigerants.**



reduction

It advocates for an **ambitious HFC reduction** under the Montreal Protocol as a “low hanging fruit”, **in both developed and developing countries.**



<http://www.thenaturalvoice.org/>

It is open to industry, associations, non-profit organisations, and any other party or individual supporting its values.

As of today, it has 71 signatories.



THE NATURAL VOICE 2015: signatories



HVAC&R component & system
suppliers, contractors &
consultancies

commercial end-users / FMCG



THE NATURAL VOICE 2015: signatories



industry associations

non-profit organisations / NGO



development agencies

universities & research institutes





THE NATURAL VOICE: statement elements



Each Nation and each Industry Sector bears an individual responsibility in the fight against climate change. The refrigeration, heating and cooling industry recognises the role it can play to reduce direct and indirect emissions of greenhouse gases.

The Organisations who endorse this statement call upon the National Governments to responsibly shape today the climate opportunities of tomorrow, and acknowledge the potential of Natural Refrigerants.

www.thenaturalvoice.org

a global action powered by




Natural Refrigerants, including hydrocarbons, ammonia, carbon dioxide, water and air have negligible global warming potential, and no ozone depletion potential. Natural Refrigerants are already the predominant option or can readily replace fluorinated gases in many sectors today. We call upon National Governments to acknowledge their potential to address direct emissions globally.

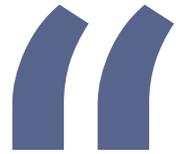
Natural Refrigerants have been known for decades as low-cost substances offering a technically viable and efficient solution for refrigeration, heating and cooling applications. They can be used safely applying industry best practice. We call upon National Governments to remove inappropriate obstacles, including national and international trade barriers and revise safety standards, codes and legislation that restrict their use without merit.

The Manufacturers and Users of refrigeration, heating and cooling equipment are convinced that Natural Refrigerants offer unexploited potential for developed and developing countries. We call upon National Governments to provide financial and non-financial support for the research and promotion of Natural Refrigerants and equipment based on these substances, as well as to facilitate a technology transfer from developed to developing countries, to fully exploit their ecological, economic, and social potential.

Effective action on fluorinated gases is a 'low hanging fruit'. We call upon National Governments to agree on an ambitious schedule for the reduction of hydrofluorocarbons in developed and developing countries under the Montreal Protocol without further delay. The signatories of this Statement stand ready to support Natural Refrigerants as a future-proof solution, and call upon National Governments to do the same.

www.thenaturalvoice.org

a global action powered by

Each Nation and each Industry Sector bears an individual responsibility in the fight against climate change. The refrigeration, heating and cooling industry recognises the role it can play to reduce direct and indirect emissions of greenhouse gases.

The Organisations who endorse this statement call upon the National Governments to responsibly shape today the climate opportunities of tomorrow, and acknowledge the potential of Natural Refrigerants.

global responsibility

The preamble calls on the HVAC&R industry (suppliers but also users) to take responsibility for direct + indirect GHG emissions reduction.



Natural Refrigerants, including hydrocarbons, ammonia, carbon dioxide, water and air have negligible global warming potential, and no ozone depletion potential.

Natural Refrigerants are already the predominant option or can readily replace fluorinated gases in many sectors today. We call upon National Governments to acknowledge their potential to address direct emissions globally.

environment

no ODP

low or no GWP

mainstream option in a growing number of sectors

replacement option for more and more industry sectors



Natural Refrigerants have been known for decades as low-cost substances offering a technically viable and efficient solution for refrigeration, heating and cooling applications.

precautionary
principle + cost +
technology

NR = well-known substances

NR = technically viable

NR = efficient in a growing
number of applications

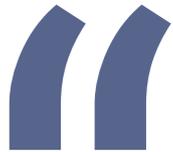


They can be used safely applying industry best practice. We call upon National Governments to remove inappropriate obstacles, including national and international trade barriers and revise safety standards, codes and legislation that restrict their use without merit.

**safety + removal of
inappropriate barriers**

NR safe use is a reality
applying standard industry
best practice

TNV call to remove
inappropriate restrictive
barriers, and revise standards,
legislation



The Manufacturers and Users of refrigeration, heating and cooling equipment are convinced that Natural Refrigerants offer unexploited potential for developed and developing countries.

We call upon National Governments to provide financial and non-financial support for the research and promotion of Natural Refrigerants and equipment based on these substances, as well as to facilitate a technology transfer from developed to developing countries, to fully exploit their ecological, economic, and social potential.

unexploited potential
+ support +
technology transfer

NR offer unexploited potential for developed & developing countries

TNV call for more support for R&D, technology transfer



Effective action on fluorinated gases is a 'low hanging fruit'.

We call upon National Governments to agree on an ambitious schedule for the reduction of hydrofluorocarbons in developed and developing countries under the Montreal Protocol without further delay. The signatories of this Statement stand ready to support Natural Refrigerants as a future-proof solution, and call upon National Governments to do the same.

action on HFCs

an ambitious HFC reduction schedule is needed to support more sustainable refrigerant solutions



focus areas of TNV

availability

efficiency & safety

knowledge & training

cost





signatories

involve more end-users,
suppliers & other parties
- grow # of signatories



publications

GUIDEs to Natural
Refrigerants for national
governments



projects

proactive campaigns to
accelerate the transition
away from HFCs



more information at shecco's booth

Industry Platforms:

<http://www.hydrocarbons21.com>

<http://www.R744.com>

<http://www.ammonia21.com>

<http://www.R718.com>

ATMOsphere events:

<http://www.ATMO.org>

shecco Publications, incl. GUIDEs

<http://publications.shecco.com>

Accelerate Magazine

<http://accelerate.shecco.com>

shecco Market Development:

- ▶ Market Research
- ▶ Market Development & Consulting
- ▶ Publications
- ▶ Regulatory Affairs
- ▶ Special Projects

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