



Tackling climate change, enabling the green transition, and creating a better, more sustainable world for us all requires a different playbook. Today more than ever, the world needs innovation...in fact, the world needs F-gases. That's why so many forward-thinking industries are moving away from **so-called "naturals,"** which **are not natural, new, universal, or risk free**—and opting for safe and sustainable fluorinated gases, or F-gases.

Low GWP F-gases

Hydrofluoroolefins (HFOs) | HFO Blends

Low GWP F-gases are:

-  Innovative
-  Sustainable
-  Efficient



Industrial Gases ("Naturals")

Ammonia | CO₂ | Propane

Industrial Gases ("Naturals") are not:

-  Natural
-  New
-  Universal
-  Risk Free

F-gases are superior to "naturals" in these critical areas:



Circularity

F-gases can be recovered, reclaimed, and reused, maximizing resource efficiency and minimizing waste.

Chemours has established reclaim agreements across regions and is continuing to expand these programs to advance circularity and **minimize** impact on our shared planet.¹



Socioeconomic Value

F-gases are critical to the efficiency and performance of vital industries including HVACR, construction, and technology, allowing significant operational cost savings to be passed on to consumers. F-gases also drive innovation by advancing two-phase immersion cooling* and more efficient EVs.

F-gases are largely free of the real risks—from high working pressures and corrosion to flammability—of "naturals."

An emerging fluorinated thermal management solution could reduce data center cooling energy use by more than **90%**, translating to **300 TWh** in global energy savings by 2055.²



Decarbonization

F-gases offer energy-efficient solutions for critical technologies, like heat pumps, which are key to achieving global climate targets, strategic autonomy, and innovation objectives.

By the end of 2022, heat pump installations across Europe helped avoid the release of over **54 million** tons of CO₂, equivalent to the annual emissions of Greece.³



F-gases power a more sustainable future.

#TheWorldNeedsFGases

The world needs to move toward a more sustainable future—and F-gases will help us get there. Thoroughly tested and proven across countless industries, F-gases can be leveraged across multiple applications and systems, where "naturals" fall short.

The fact is, today's largest industries and value chains depend on F-gases for thermal management. Banning them would significantly impact industries, consumers, and the economy. Simply put, the world needs F-gases.

¹ Chemours Internal Modeling

² <https://www.iea.org/energy-system/buildings/data-centres-and-data-transmission-networks>

³ European Heat Pump Association, "Frequently Asked Questions" (<https://www.ehpa.org/frequently-asked-questions/>)

(*) pending regulatory approval