

CONNECTING  
EXPERTS.

# CHILLVENTA eSPECIAL

Refrigeration | AC & Ventilation | Heat Pumps

13.–15.10.2020

NÜRNBERG MESSE



# **A-GAS<sup>®</sup>**

*TOGETHER **WE CAN***

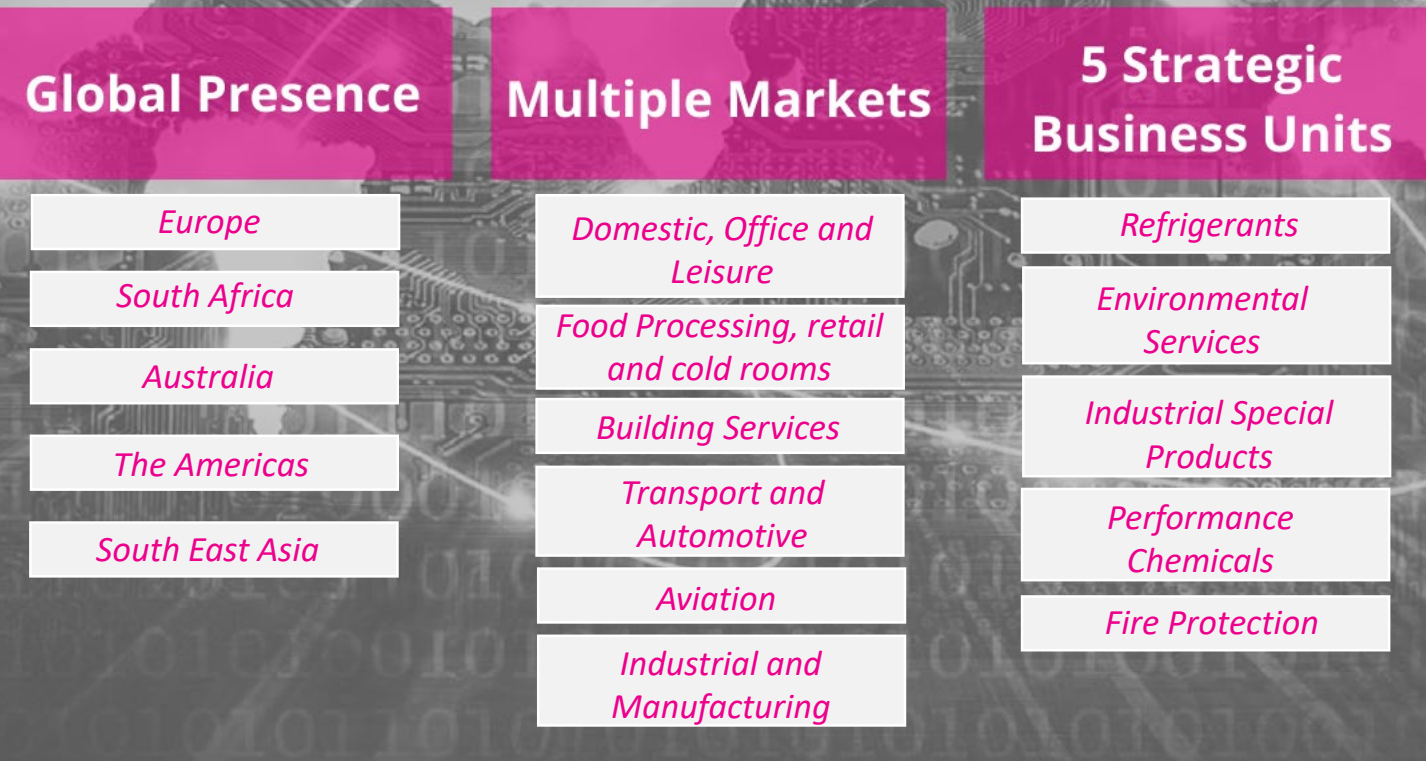
## **DRIVING A CIRCULAR ECONOMY**

*MARCO PEPI - EU SALES DIRECTOR*





## Introducing The A-Gas Group:





*In addition to a full range of refrigerants, we offer*

## ***Environmental Services***

*for the recovery and reclamation of environmentally sensitive products*

Fleet of  
dedicated  
recovery and  
reclamation  
cylinders

Bespoke  
Reclamation  
Facilities, designed,  
commissioned and  
built in-house

On Site  
Recovery  
Services  
utilising a fleet  
of mobile  
vehicles

State of the art  
laboratories,  
compliant with  
AHRI 700  
standards

Preventing  
unnecessary  
destruction or  
emissions

Providing  
access to  
reclaimed  
refrigerant

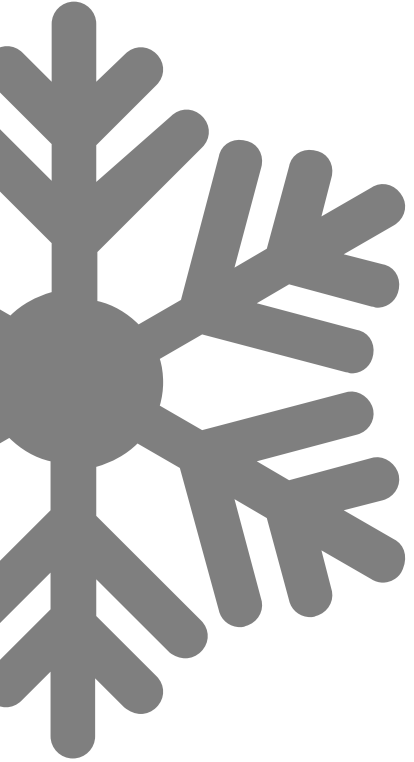
Required to  
meet demand  
under a quota  
system

**A-Gas is a market leader in waste refrigerant processing.**



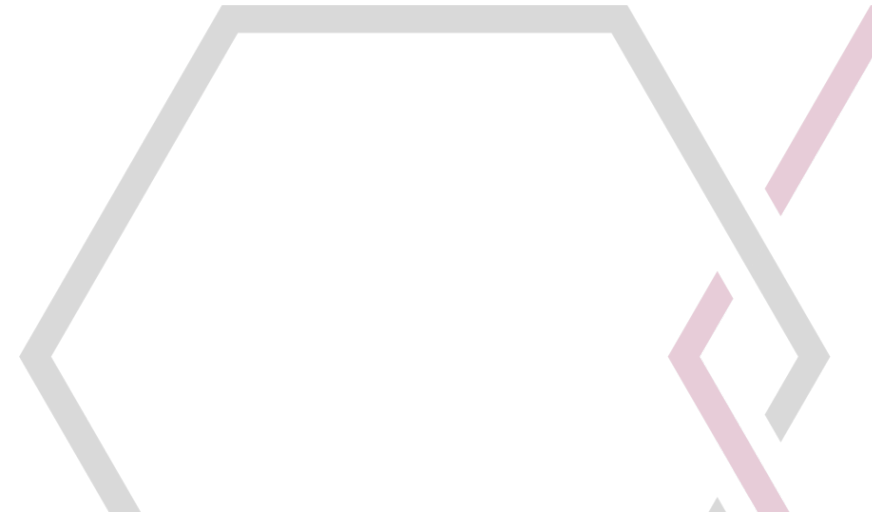
# REGULATION DRIVES OUR INDUSTRY

# Global Demand For Cooling Is Increasing



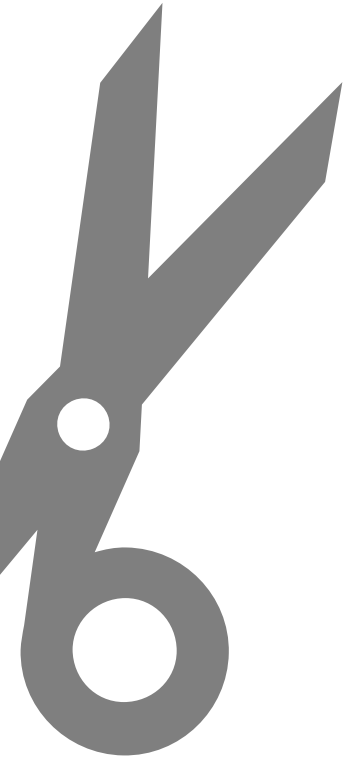
*“There is no doubt that global demand for space cooling and the energy needed to provide it will continue to grow for decades to come”.\**

Source: „The Future of Cooling“, International Energy Agency, May 2018





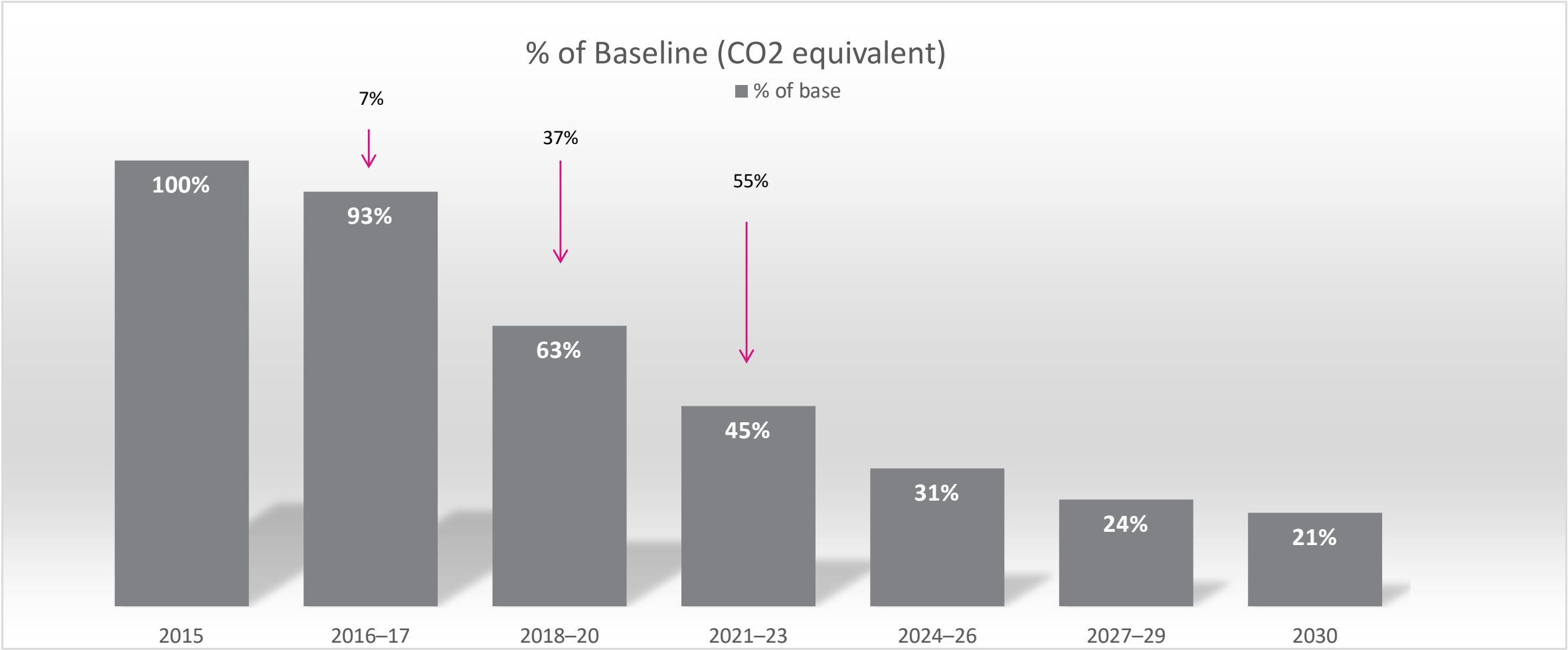
# The Challenge



*“The EU F-Gas Regulation creates massive cuts in the CO2 equivalent amount of HFC refrigerants that can be placed on the EU market”.\**

Source: „The Future of Cooling“, International Energy Agency, May 2018

# The Phase Down Timetable





# Product Restrictions/Bans

## 2020

**New equipment ban** with a GWP greater than 2500

**Service ban** with a GWP greater than 2500 (charge size is greater than 40T CO2 equivalent)

Use of refrigerants with a GWP above 150 in all **new hermetically sealed moveable A/C equipment**.

## 2022

Ban on the use of virgin refrigerants of GWP greater than **150 in new hermetically sealed commercial refrigeration equipment**.

The use of refrigerants with a GWP **above 150 will be banned in new commercial refrigeration systems** with a capacity of 40kW or more.

## 2025

**Ban on the use of virgin refrigerants of GWP greater than 750** in the installation of single split air conditioning systems (less than 3kg).



For more information ask the team or visit [agas.com](https://www.agas.com)



# Recovery and Reclamation – **A-GAS®** TOGETHER WE CAN It Has Never Been So Important



- ✓ Quota exempt
- ✓ Contributes to supply under a declining quota
- ✓ Eases pressure to supply high GWP products from quota

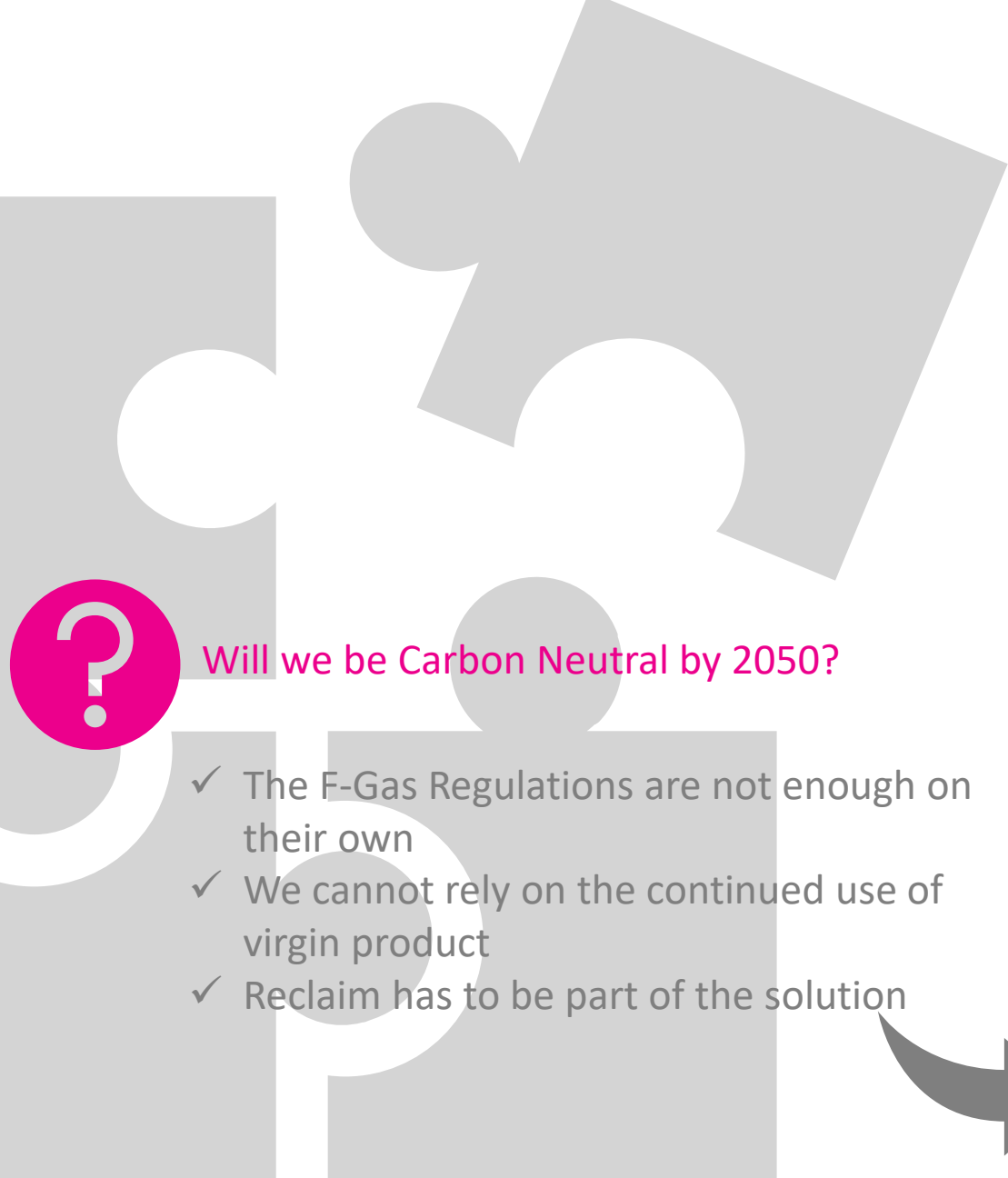


- ✓ Increases the Lifecycle of the Refrigerant and Equipment
- ✓ Increases end user choice



- ✓ Reduces/Removes the need for incineration (and cost)
- ✓ Removes the need to manufacture virgin
- ✓ Helps reduce environmental impact and meet obligations





Will we be Carbon Neutral by 2050?

- ✓ The F-Gas Regulations are not enough on their own
- ✓ We cannot rely on the continued use of virgin product
- ✓ Reclaim has to be part of the solution

RECOVERY and RECLAMATION is an intended part of the F-Gas Regulation



It contributes to a  
SUSTAINABLE FUTURE



We need to move to a  
CIRCULAR ECONOMY



## ***What do I mean?***

We can no longer operate according to a manufacture, use and dispose model.

We need to work together to increase the amount of reclaimed refrigeration available.

Our separation facility is the start of the journey to a Circular Economy.

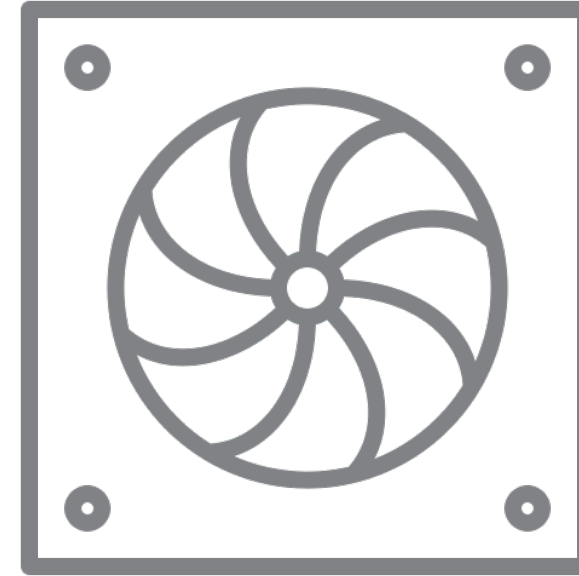
**Together we can ALL be part of the solution and reduce our impact on the environment.**



## It is already happening



Supermarket outlets utilise Reclaim product as part of their large scale retrofit programs.



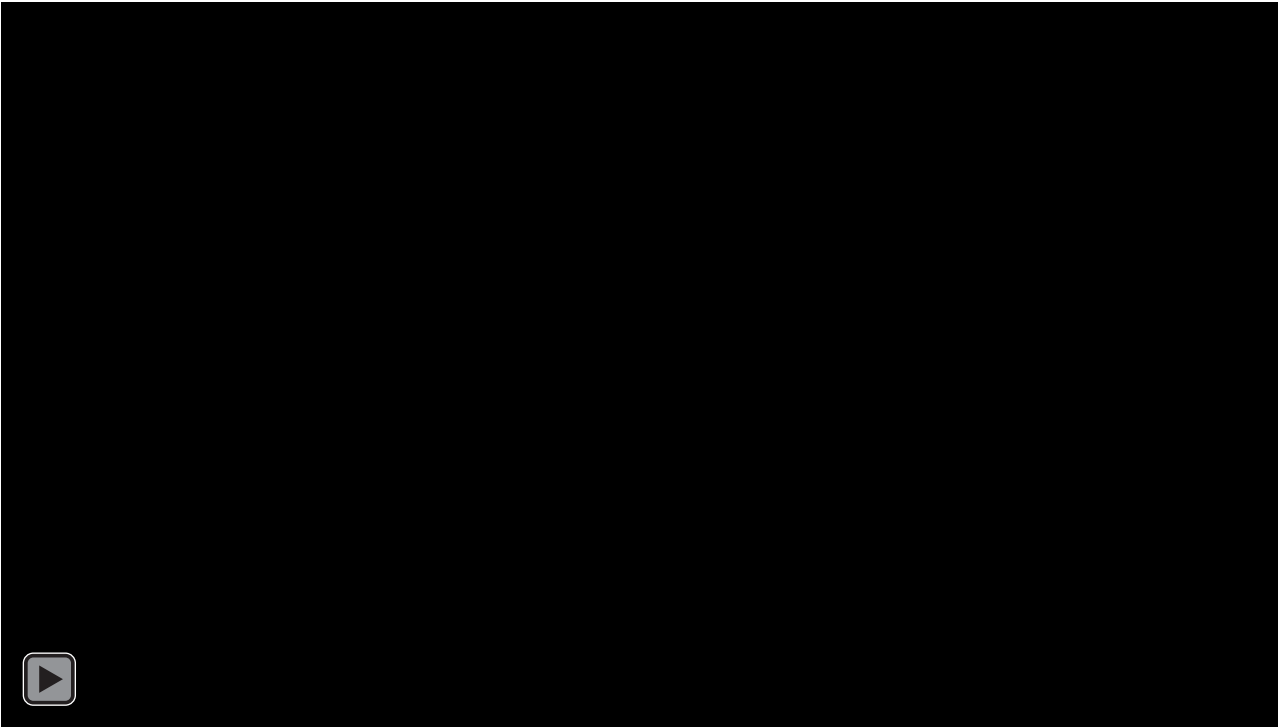
A leading Air Conditioning Manufacturer provides an extensive product and service offering based on reclaimed material.

**OUR INDUSTRY IS RECOGNISING THAT REUSING REFRIGERANT REDUCES OUR ENVIRONMENTAL FOOTPRINT!**

# NEXT GENERATION REFRIGERANT RECOVERY

DESIGNED TO DRIVE A CIRCULAR ECONOMY

# Rapid Recovery



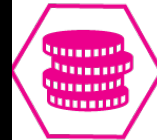
**YOUR ONSITE REFRIGERANT RECOVERY EXPERTS**



- F-Gas Compliant
  - F-Gas Certified Engineers
  - Job Site Reporting



- Time Duplicator
  - Utilise specialised skills elsewhere



- Cost Effective
  - Reduce downtime and overall costs



- Liability Reducer
  - Responsible for every kg recovered



- Time Saver
  - Unmatched Speed

**The Complete Refrigerant Recovery Solution**





## *Why The Need to Change?*

**A-GAS®**  
TOGETHER WE CAN

F-Gas Regulations impacting high GWP Refrigerant

=

Large Scale Retrofit Projects

=

Disruptive

Timely

Costly

**The Solution = Faster Recoveries  
via changing methods and technology**

*N.B. Use of reclaimed product provides end users with the time needed to make a longer term decision on which low GWP alternative to utilise.*

## IN SUMMARY

- Recovery and Reclamation avoids hundreds of thousands of virgin gas being produced each year.
- The re-use of refrigerants helps our industry:
  - Achieve a circular economy
  - Reduce our environmental footprint
  - Achieve the goals set out by the regulatory drivers
- By using our expertise we have contributed to our **industry today** and planned for the **future tomorrow** – it's the only way our industry can **continue to grow**
- **Act now – Recover product and join us in creating a sustainable future.**



**A-GAS<sup>®</sup>**

*TOGETHER WE CAN*

**THANKYOU FOR LISTENING**



Thank you for your attention.

CONNECTING  
EXPERTS.

