

## CASE STUDY

# A-Gas Completes International Recovery of Used HCFC Refrigerant



## BACKGROUND

### About Mauritius Freeport Development (MFD)

The Mauritius Freeport Development is the largest logistics centre in the Indian Ocean, acting as a trade and distribution hub for national and international markets. It is committed to values including social responsibility, safety and quality and customer satisfaction, all in the interest of protecting the environment. It consistently invests in world-class technology, making business quality one of its major priorities.

### About A-Gas

A-Gas is the world leader in the supply and lifecycle management of refrigerants and associated products and services. Through our first-class recovery, reclamation, and repurposing processes, we capture refrigerants and fire protection gases for future re-use or safe destruction, preventing harmful release into the atmosphere. For 30 years, A-Gas has supported our clients and partners on their environmental journey by supplying lower global warming gases and actively increasing the circularity of the industries we serve, building a sustainable future.

### About GIZ

GIZ is a German organisation which prioritises sustainable development all over the world. Based in the cities of Bonn and Eschborn, it has employees in 120 countries, providing specialist knowledge, skills, management expertise and funding to various sectors for a wide range of projects. They work flexibly with national governments and partners across the globe to provide effective and proactive solutions to improve worldwide living conditions.



## AT A GLANCE

### Challenges

- Safely and efficiently recover HCFC-22 (an Ozone Depleting Substance) from two decommissioned systems in Mauritius; an island with no end of life refrigerant solution.
- Support our customers by providing an effective lifecycle refrigerant management solution.
- Not a country A-Gas has operations within.
- The project required huge operational efficiency and planning to ensure customer and environmental needs were met.

### Benefits

- Proactive international collaboration between A-Gas and its partners
- Effective recovery of refrigerant, preventing the potential release to atmosphere.
- Use of a flexible and mobile A-Gas service, travelling internationally to complete the project.



*"The A-Gas team gave great support in terms of equipment and workmanship. I thank them for their support and will not hesitate to contact them for refrigerant recovery projects in the future."*

**Raj Ramlogun**  
Facilities Manager  
MFD

## CHALLENGE

In line with its commitment to the Montreal Protocol, ensuring no refrigerant is leaked to atmosphere is of high priority to those on the Island of Mauritius.

The Mauritius Freeport Development had previously decommissioned two systems containing almost six tonnes of R22 and required a solution to safely remove this used refrigerant from the island. Working in partnership with GIZ and the Mauritius Freeport Development, A-Gas became the chosen partner to provide an effective refrigerant management solution.



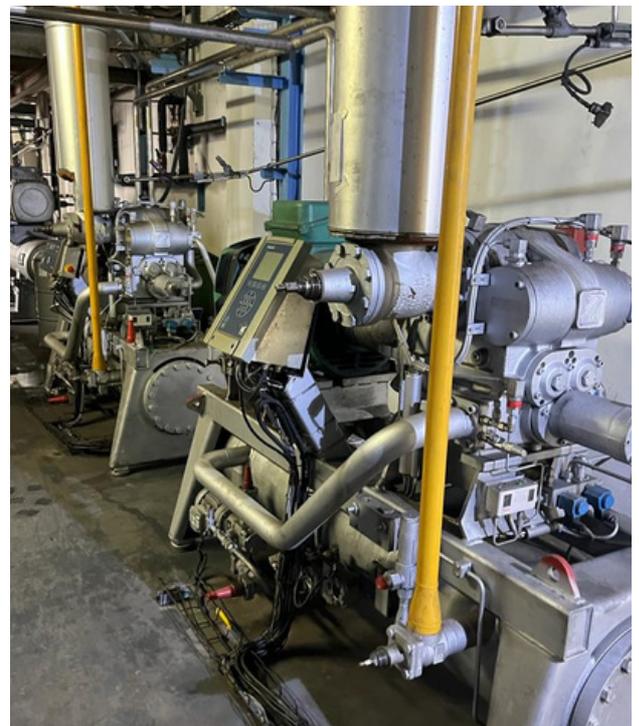
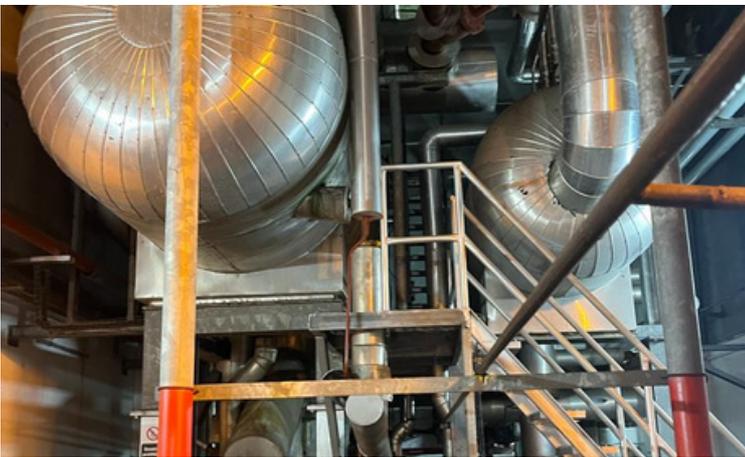
## SOLUTION

Although A-Gas has no production facility located on the island this, did not stop our team. With efficient planning and cross-border collaboration, A-Gas completed the project responsibly and safely. Utilising its own cylinders and drums, A-Gas Rapid Recovery provided an on-site recovery service on the island, which is up to 10 times faster than traditional recovery methods.

As a result, it was able to complete the recovery within a short time frame. Its operation in South Africa supported the handling of the recovered refrigerant.

## RESULTS

The team fully supported the recovery and removal of refrigerant, ensuring all product was handled safely and efficiently, preventing the potential release of global warming and Ozone Depleting Substances to atmosphere.



## CONCLUSION

This is a great example of what can be accomplished when working together. A-Gas proved itself as a reliable partner and this project demonstrates that A-Gas can collaborate with companies from across the globe to implement an effective lifecycle refrigerant management offering.

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The Rapid Recovery team recovered close to six tonnes of refrigerant from the R22 systems, preventing roughly 10,860 tons of CO<sub>2</sub>e from being released into the atmosphere.