

CASE STUDY

A-Gas Rapid Recovery and Monodraught Demonstrate the Circular Economy

BACKGROUND

About Monodraught

Monodraught design, manufacture, install and maintain sustainable ventilation, cooling, heating and lighting solutions for new and refurbished commercial buildings. As a pioneering UK company, Monodraught are committed to minimising the carbon footprint of buildings with a range of standard and bespoke products.

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 almost 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 more sustainable future.

CHALLENGE

Monodraught was working on a complete refit to the former HM Revenue and Customs' offices in Exeter.

The project involved the removal of a piece of refrigeration equipment which had been in use for only three years. Reluctant to dispose of the equipment, Monodraught required a solution.

Monodraught needed to remove the 300kgs of HFC refrigerant contained within the system safely and efficiently and repurpose the refrigeration equipment elsewhere.

AT A GLANCE

Challenges

- Remove all refrigerant safely and efficiently.
- Avoid disposal of refrigeration equipment.

Benefits

- All refrigerant recovered from the system in one day.
- Recovery solutions provided efficient service that exceed customer expectations.
- Reuse of refrigerant and equipment demonstrates the circular economy.



"The outcome exceeded our expectations."

"It was a huge amount of gas to shift. The job was completed in only a day and without the help of A-Gas Rapid Recovery it would have taken us a week to ten days to complete."

Andre Schoombee

Divisional Manager, Monodraught



SOLUTION

To ensure that the refrigerant was recovered in the most efficient way, Monodraught partnered with A-Gas Rapid Recovery.

Access to the cooling system, located in a city centre office block, was not easy, but the versatility of the A-Gas Rapid Recovery equipment proved useful and the team successfully recovered more than 300kgs of refrigerant in only one day.

Recovered refrigerant is sent to A-Gas; utilising state-of-the-art technology, A-Gas are able to reprocess this recovered refrigerant to become fully reclaimed, certified product in line with the AHRI 700 virgin standard.

RESULTS

Fully recovering the existing HFC refrigerant from the system meant the new system could be installed in the building, the recovered refrigerant could be reprocessed and repurposed, and the existing refrigeration equipment could be utilised elsewhere.

CONCLUSION

This project is an excellent example of the circular economy at work.

The refrigeration equipment is to be repurposed elsewhere, while the refrigerant management solutions offered by A-Gas extend the life of the refrigerant.

This partnership demonstrates our industry's commitment to moving away from the traditional take - make - dispose business model.



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A-Gas effectively manages the complete lifecycle of refrigerants, providing effective and efficient recovery solutions is key to this.