CASE STUDY

Rapid Recovery of 14 Tonnes of R134a at a Pharmaceutical Site

AT A GLANCE

Challenges

- Recover 14 tonnes of R134a refrigerant.
- Support the client to safely decommission the system.
- Complete the operation with minimal on-site disruption, while ensuring zero emissions during the recovery process.

Benefits

- 14 tonnes of R134a refrigerant recovered.
- Recovery completed in just five days.
- Zero emissions during the entire operation
- No disruption to surrounding site activity.
- Full compliance with environmental and safety standards.

BACKGROUND

About the Customer

Our customer delivers comprehensive services to the pharmaceutical, life sciences, and healthcare industries, leveraging its market-leading expertise in structural, mechanical, HVAC, and electrical systems.

About A-Gas

A-Gas is a 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 over 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.

CHALLENGE

In one of our largest Rapid Recovery projects to date, A-Gas Rapid Recovery partnered with a market leading engineering and construction company to carry out the efficient and environmentally responsible recovery of 14 tonnes of R134a refrigerant from a pharmaceutical site in Liverpool.
The client required the tanks to be emptied efficiently and effectively to facilitate the safe decommissioning of storage vessels and associated pipework.

"Our A-Gas team recovered liquid refrigerant from two 20,000L tanks and connected pipework.

Using two El Machinos and the push-pull method, we completed liquid recovery in two days, with an additional three days for vapour recovery and system evacuation.

The team a delivered fast and professional service, the customer was extremely satisfied."

JAKE MATTHEWS
Operations Manager - Rapid Recovery

A-GAS®
TOGETHER WE CAN

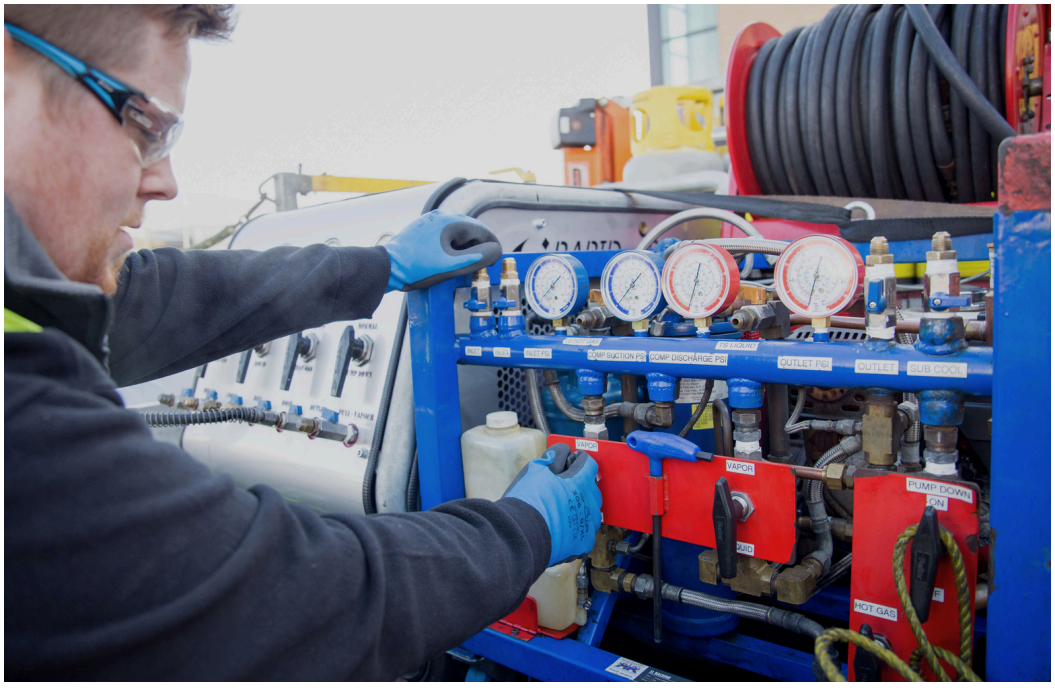
SOLUTION

Our Rapid Recovery team deployed four experienced engineers who carried out the full recovery over five days.

The refrigerant was transferred safely into an ISO tank, using our customised recovery system that ensures an efficient recovery process and zero loss and full containment throughout the process.

CLIENT BENEFITS

- Enabled timely decommissioning of tanks and pipework.
- Avoided potential environmental and regulatory risks.
- Gained peace of mind through partnering with Rapid Recovery.



CONCLUSION

This project stands as a benchmark for what can be achieved with our Rapid Recovery service; offering safe, efficient, and scalable refrigerant recovery solutions even on complex, high-volume sites.

It also exemplifies the company's commitment to reducing environmental impact and driving circularity in industries with high refrigerant usage.

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If you're planning a similar project or need expert support in refrigerant recovery, our team is here to help.