

CASE STUDY

A-Gas Rapid Recovery Supports Efficient Refrigerant Removal as Part of the Daikin Reclaim with Confidence Programme

BACKGROUND

About Maskold

Maskold is a leading independent provider of refrigeration, air conditioning, and ventilation solutions in the South East. They are known for delivering innovative, high-performance, and cost-effective services tailored to client needs.

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.

About Daikin Reclaim with Confidence

Daikin's Reclaim with Confidence Programme, part of their Partner with Confidence Programme, supports contractors and end-users in the responsible recovery, reclamation, and reuse of refrigerants. The programme aims to reduce environmental impact and encourage circular economy practices through its partnership with A-Gas Rapid Recovery.

CHALLENGE

As part of Daikin's Reclaim with Confidence Programme, Maskold engaged with A-Gas to support the responsible recovery of refrigerant gases across several rooftop HVAC systems. The project involved the recovery and decommissioning of multiple rooftop units with restricted access, posing a significant logistical challenge.

AT A GLANCE

Challenges

- Rooftop installation with limited access.
- Over 20 Variable Refrigerant Volume (VRV) Units requiring refrigerant recovery.

Benefits

- Refrigerant recovery completed efficiently with no release into the atmosphere.
- 450kg of R407C and R410A recovered and reclaimed for future reuse in line with the circular economy principles.



"A-Gas are chosen as they are quick and cost-effective.

We are happy with the service received and will continue to use it in the future."

Zal Gavin

Maskold

The scope involved the decommissioning of over 20 HVACR units located on a rooftop with limited accessibility. Traditional recovery methods would have been inefficient and posed safety concerns. A-Gas Rapid Recovery understood that it was crucial to execute this recovery quickly and safely, while adhering to environmental regulations.

SOLUTION

A-Gas deployed its on-site Rapid Recovery service to tackle the access and efficiency challenges. The mobile solution used high-speed refrigerant recovery directly at the rooftop level, eliminating the need for manual equipment transport and significantly reducing project duration, saving the client several days' worth of recovery time.

- After the Daikin online form was submitted, the A-Gas Rapid Recovery team conducted an initial site inspection.
- On the day of recovery, flexible hoses were extended from ground level to the rooftop to connect the HVAC units to recovery systems below.
- The team used a pull-pull method to ensure a steady, controlled refrigerant transfer into the recovery cylinders.
- Once recovered, the refrigerant was securely transported to the A-Gas facility for processing and reclamation.



CONCLUSION

Delivered as part of Daikin's Reclaim with Confidence Programme, this project highlights the value of industry collaboration in achieving environmental goals. By utilising A-Gas' Rapid Recovery service, Maskold benefitted from a streamlined, cost-effective approach to refrigerant removal. The reclaimed refrigerant is now available for reuse, aligning with circular economy principles and reinforcing the commitment to sustainable refrigerant management.



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