

CASE STUDY

Refrigerant Management Solutions Help Leading Supermarket Decarbonise Operations



BACKGROUND

About Customer

Our customer is a leading supermarket chain in Australia. As part of their unwavering commitment to sustainability and its customers, the supermarket has invested in several greenhouse gas emissions reductions programs, including refrigeration systems upgrades and replacements projects.

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

The leading supermarket operates thousands of pieces of cooling equipment to serve its national customer base. Legacy supermarket refrigeration systems, display cases and cold rooms often operate on high global warming (GWP) refrigerants.

The supermarket is committed to moving its refrigeration systems to lower GWP alternatives, utilising reclaimed material where possible and reducing emissions across its nationwide network.

To effectively and efficiently achieve this, the supermarket required a trusted refrigerant management partner.



AT A GLANCE

Challenges

- Effectively and efficiently move to lower GWP refrigerants.
- Recover and reclaim all existing refrigerant for future use.
- To meet supermarkets ambitious sustainability goals.

Benefits

- Onsite recovery service, supporting the recovery of all refrigerants.
- Use of lower GWP alternatives.
- Effectively helping the supermarket decarbonise and meet its sustainability goals.



"Our refrigeration management solutions play an important role in helping our customers reach their net-zero emissions targets. We are pleased to partner with leaders in the industry to reduce the industry's overall carbon footprint."

Ged Beckton

Commercial Director, A-Gas (Australia)

SOLUTION

By working together, A-Gas and the supermarket identified solutions that would support the supermarkets refrigerant management strategy.

The A-Gas Rapid Recovery team have provided high-speed refrigerant recovery services direct to stores. Not only does this service recover product safely and efficiently, it also prevents the potential release of high global warming refrigerants to atmosphere.

Recovered refrigerant is returned to A-Gas' dedicated facility where it is processed and certified as reclaimed. It meets the equivalent virgin product standard AHRI 700.

This is an excellent example of the Circular Economy at work – the opposite to the take, make and dispose model – forcing us to seek greater efficiencies and make better use of what we already have. It saves on raw material usage, energy consumption and unnecessary activities associated with virgin refrigerant gas production.

Through the supply of both reclaimed material and lower GWP refrigerants, A-Gas has enabled the supermarket to retrofit existing equipment to lower GWP alternatives with minimal disruption to its daily, business as usual,



RESULTS

This partnership marks another significant step for the supermarket as they continue to move towards achieving their sustainability goals. A-Gas refrigerant management solutions have enabled the supermarket to accelerate the transition to lower GWP refrigerants. The program has not only supported the move away from high GWP refrigerants, it has led to the recovery and reclamation of product for responsible management. The reclamation of product from across their network has reduced the need for new virgin gases to be manufactured and used.

CONCLUSION

The continuing partnership with the leading supermarket and A-Gas demonstrates how leaders in the industry are working together to proactively develop and implement refrigerant management solutions to achieve their net-zero emissions goals.

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Australian supermarket embraces refrigerant lifecycle management to help support their sustainability journey.