CASE STUDY

A-Gas Supports Customer Through an Effective and Productive Training Programme



BACKGROUND

About Gain City

Gain City, Singapore's largest air conditioning retailer, has been a leader in the industry since 1981. Known for its commitment to quality and innovation, Gain City provides air conditioning installation and maintenance services and also retails other consumer electronics. As an NEA-licensed E-Waste Recycler, the company is dedicated to responsible practices that reduce environmental impact.

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

When customers purchase new air conditioning systems from Gain City, their old units - many containing high-GWP refrigerants like R22 and R410A - are returned for disposal. Without the systems being pumped down and the refrigerants recovered, the risk of them being released into the atmosphere and contributing to global warming increases.

Gain City needed a reliable solution to ensure its operators were fully trained to safely and responsibly manage these units in line with its strong environmental commitments.

AT A GLANCE

Challenges

- Preventing the release of high Global Warming Potential (GWP) refrigerants into the atmosphere.
- Ensuring compliance with National Environment Agency (NEA) regulations through comprehensive operator training.
- Managing decommissioned air conditioning units containing harmful refrigerants like R22 and R410A.

Benefits

- Establishing a strong partnership to successfully train operators and share expertise.
- Recovering refrigerants safely and efficiently, in line with NEA standards in Singapore.
- Demonstrating the value of an effective Lifecycle Refrigerant Management (LRM) strategy.

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"The trainers were knowledgeable and engaging, and made the content approachable for people of all experience levels to do a proper pump down to prevent emissions."

> **POH Ching Kiong** Senior E-Waste Manager, Gain City



SOLUTION

To address this, A-Gas partnered with Gain City to create a tailored training programme focused on safe and efficient refrigerant recovery. Through expert-led, hands-on training sessions, Gain City's operators were taught the proper "pump-down" process, transferring refrigerants back into the system's compressor, allowing for safe capture and storage.

A-Gas provided custom-designed recovery units, cylinders, and specialised equipment, while its fully certified technicians ensured that all methods were compliant with NEA regulations. This collaborative approach empowered Gain City's team with the skills and knowledge needed to minimise the potential risk of these gases being vented into the environment.





RESULTS

This successful partnership and collaboration showcases how A-Gas helps businesses across Southeast Asia meet their environmental goals and reduce their greenhouse gas (GHG) emissions.

Through skilled training and the company's market-leading Lifecycle Refrigerant Management (LRM) solutions, Gain City is now equipped to handle refrigerant recovery in a way that is both responsible and efficient.

CONCLUSION

By leveraging Wren's platform to mobilise individual contributions and A-Gas' technical expertise in lifecycle refrigerant management, this partnership enabled an environmentally conscious solution for the used refrigerant. It underscores the potential for innovative partnerships that can help to further reduce emissions in the refrigerant industry.

A-Gas is excited to support businesses throughout Southeast Asia by delivering refrigerant management solutions that create long-term value for the refrigerant industry.