

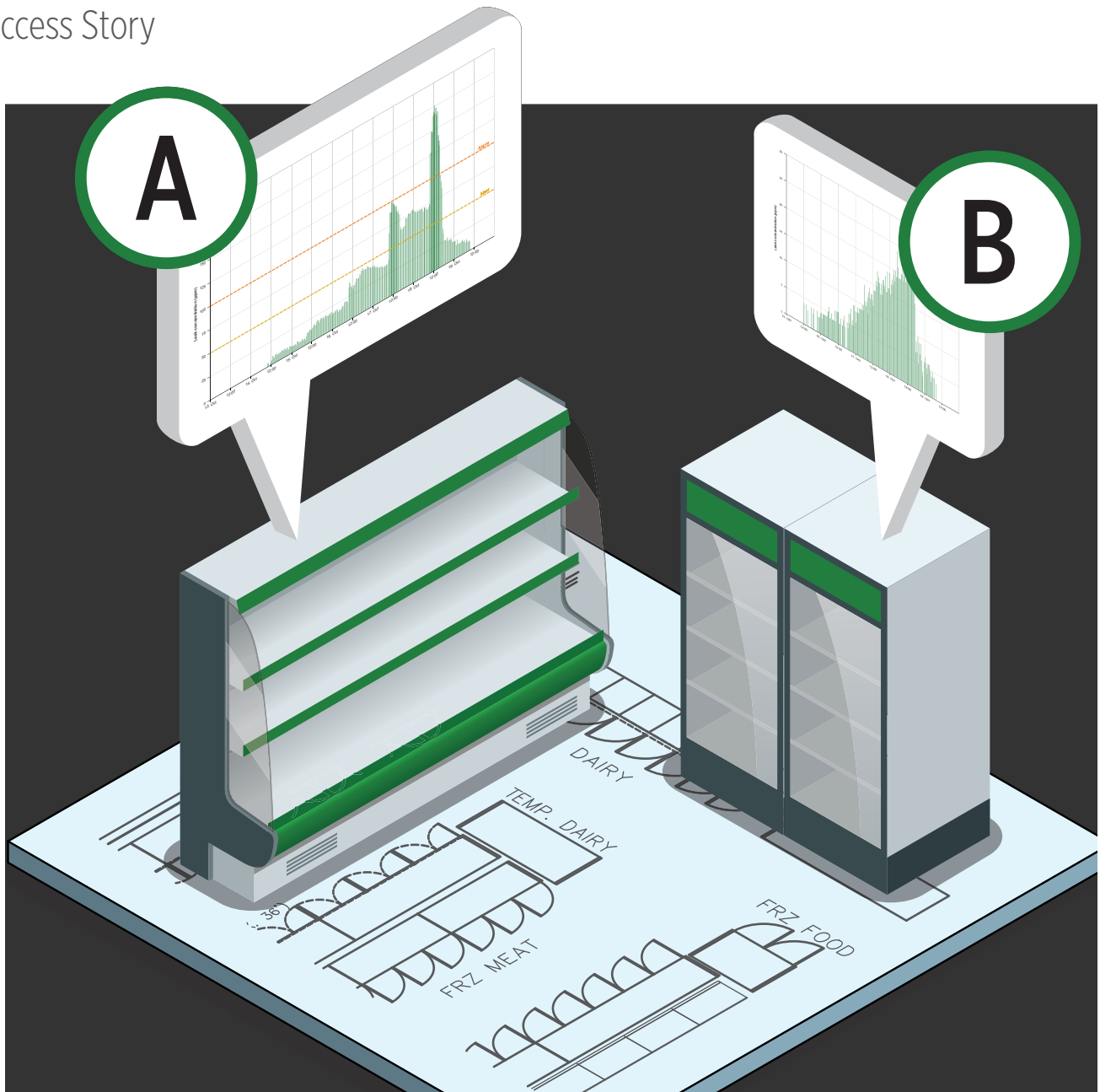


Early Refrigerant Leak Detection for Food Retail

How early refrigerant leak detection can save supermarkets from loss of stock, revenue, and costly refrigerant.

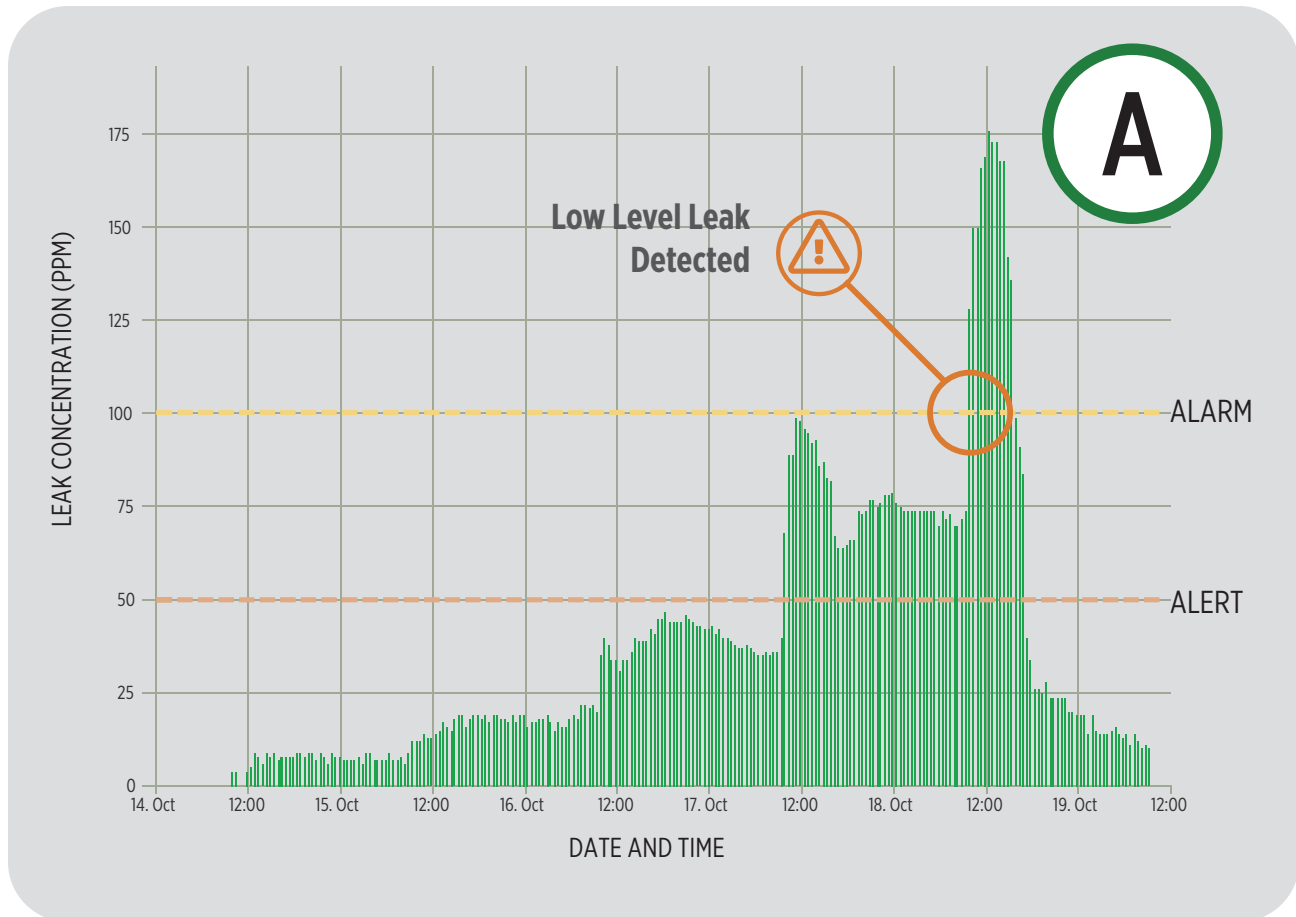


SAFEGUARDING
PEOPLE, PLACES, & THE PLANET



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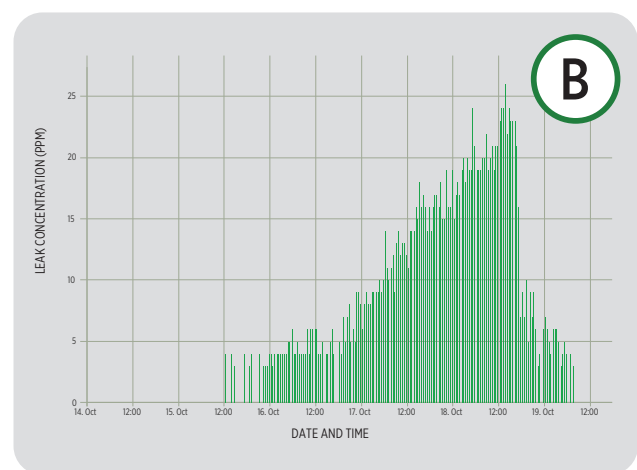
In most cases, the only way of knowing there's a refrigerant leak in a supermarket is when the equipment fails. At this point, it's too late to avoid the loss of food quality, damaged stock, and replacing the costly refrigerant. It doesn't have to be like that. The MSA Parasense Enterprise Leak Detection (ELD) Platform provides early, low level refrigerant leak detection and notification which means as soon as a leak is found, rapid repairs can be arranged, saving stock, refrigerant, and revenue.



One classic example of a refrigerant leak was recently witnessed at a large US supermarket chain's store. Usually, these 'volcano leaks' start as a very small pin-hole leak that slowly grow unnoticed over time. Eventually, the leak grows so much that it 'erupts', releasing the circuit's remaining refrigerant charge, with the refrigeration equipment failing along with other consequent damage.

However, this specific US store had deployed the MSA Connected Solution. In this instance, the small leak had been discovered early by industry leading low-level leak monitoring equipment and alarmed through the ELD Platform. With sample points being taken from across the store, these help pin point the leak through analysis (see illustrations A and B). As the highest concentration was found at point A, and concentrations also detected at point B, the information was used - along with other samples, to effectively locate the leak. The refrigeration contractor through early notification, provided a rapid response, and the leak was fixed before any costly damage could occur.

The MSA Connected Solution proved highly effective, drawing on the power of industry-leading low level leak detection equipment, with detection down to 1 ppm (parts per million). Combined with the ELD platform, MSA provides a complete turnkey hardware and software connected solution, enabling low-level detection, 24/7 remote monitoring, and notification support, for rapid response and repairs.



Reach out to MSA's team of Gas Detection Experts to learn more about choosing the right system to achieve corporate emissions goals.

Visit the website:
mybacharach.com/solution/connected-solutions and get in touch.



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MSA's mission is to see to it that men and women may work in safety and that they, their families, and their communities may live in health throughout the world.

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