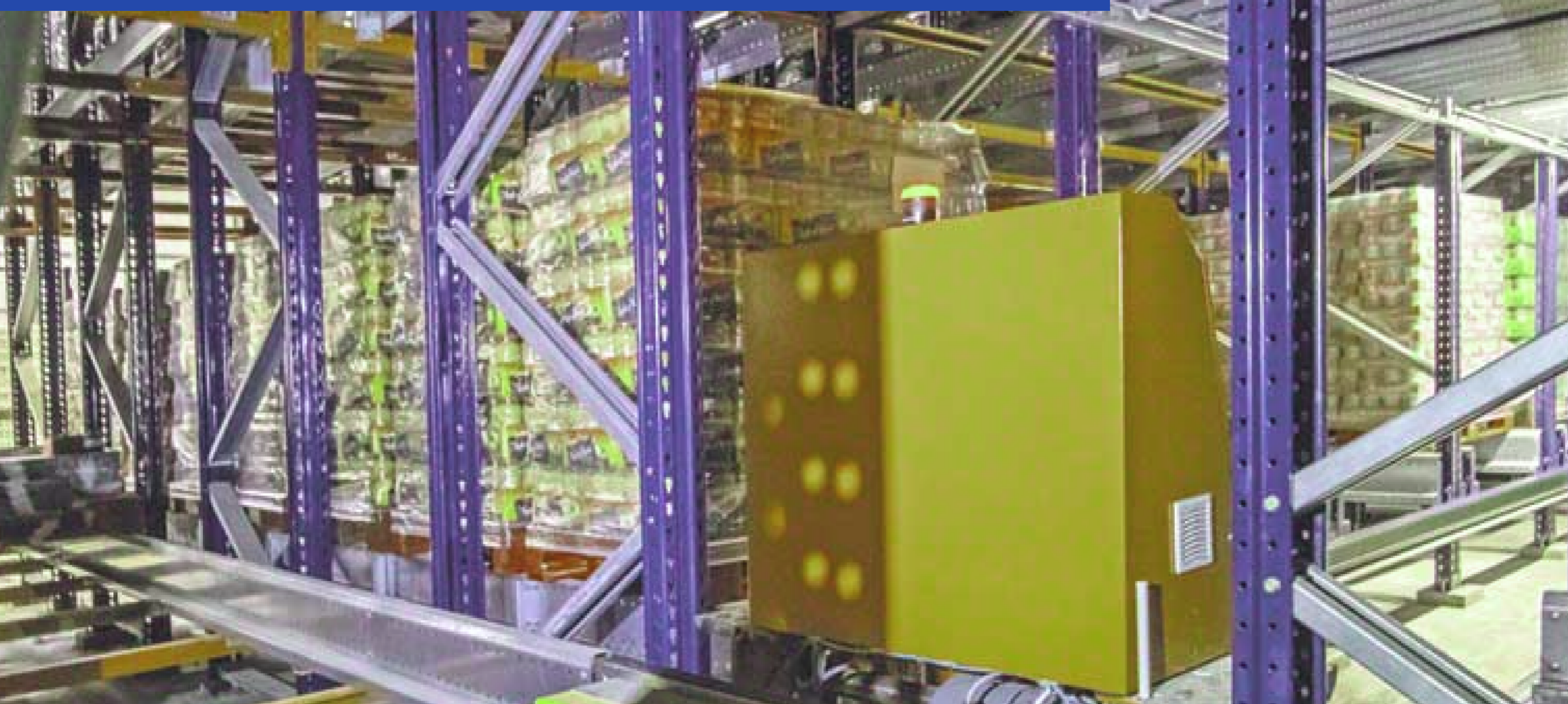


COLD FACTS

The Newsletter of the New Zealand
Cold Storage Association



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2023 Annual Conference

TAURANGA

With the conclusion of our annual conference and AGM, another successful year has passed, and we've already initiated our initial planning for the upcoming year. This year, our conference attracted over 100 attendees, and we extend our gratitude to all those who contributed to its success. Our annual conference represents the one occasion each year when all our members come together, offering a unique opportunity to share experiences and establish valuable connections.

We would like to express our sincere appreciation to our generous sponsors for their unwavering support of the conference.

The "fun-day" on Sunday proved to be a hit once again, featuring outdoor bowls and a rewarding day of golf, accompanied by favourable weather conditions. It is our pleasure to announce Nathan Harrison from Bonder as the winner of the top prize. Additionally, Murray Williams from Pensa Doors continued to sponsor the ever-popular beer tasting session, a choice well-received by those who participated.

During the gala dinner evening, we had the pleasure of being entertained by Eric Murray, who offered insights into the distinction between hard work and "smarter-than-your-opposition-work."

Our guest presenters, without exception, played a vital role in ensuring the conference ran seamlessly from start to finish. The feedback we received from members and sponsors was unanimous in its praise of the relevance, quality, and professionalism of our speakers.

We look forward to welcoming you next year in Queenstown. Until then, we extend our warm regards and appreciation for your continued support.

THANK YOU TO THE FOLLOWING SPONSORS

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Annual General Meeting



The Annual General Meeting of the NZ Cold Storage Association was held in conjunction with the conference on Monday 28 August 2023. The executive were available to stand again and were unanimously re-elected. We are very pleased to welcome Tim McDowall from Americold and Mark Exton from Coolpak Coolstores.

The executive committee is now made up of:

Dion Abrahams - President
Brent Cawthray - Vice President
Bruce Mulligan - Past President
Tim McDowall - Treasurer
Mark Stevens
Jeremy Putaranui
Mark Exton
Lea Boodee - Executive Officer

2023 Conference Snaps!





SAVE THE DATE

**2024
NZ Cold Storage
Association
conference**

**11 - 13 August
Queenstown**

www.coldstoragenz.org.nz



NEWS



rwta
Confidence in food quality, every day.

Discretionary Mutual Fund (DMF) for Cold Chain Insurance

RWTA Investigating A Discretionary Mutual Fund (DMF) For Australia And NZ

You are invited to attend a Teams Meeting to discuss the creation of a Discretionary Mutual Fund (DMF) for the Cold Chain.

Please attend if you are interested in lowering the price of your insurance.

Who is organising this?

The RWTA is working with Benjamin and Benjamin Insurance Brokers to explore if a Discretionary Mutual Fund (DMF) to reduce property insurance premiums for the Cold Chain industry in Australia and NZ.

Why should you attend?

This, if adopted, will help to mitigate the problem of increasing Industrial Special Risk (ISR) policy premiums. ISR insurance is an industry-standard policy wording to provide cover for physical loss or damage to property and financial losses incurred (damage through fire, storm, accidental impact, etc.)

Find out more and ask any questions you may have!

**1st Meeting held on
12th October 2023.
Recorded meeting here.**

When: 16 Nov 2023
10:00 AM - 11:00 AM
Location: Teams Meeting

RSVP HERE TO ATTEND MEETING

NZ Freight and Supply Chain Strategy Released

The strategy articulates a long-term vision for the freight and supply chain to be:

- underpinned by zero emissions freight transport
- resilient, reliable, and prepared for potential disruptions
- highly productive and efficient.

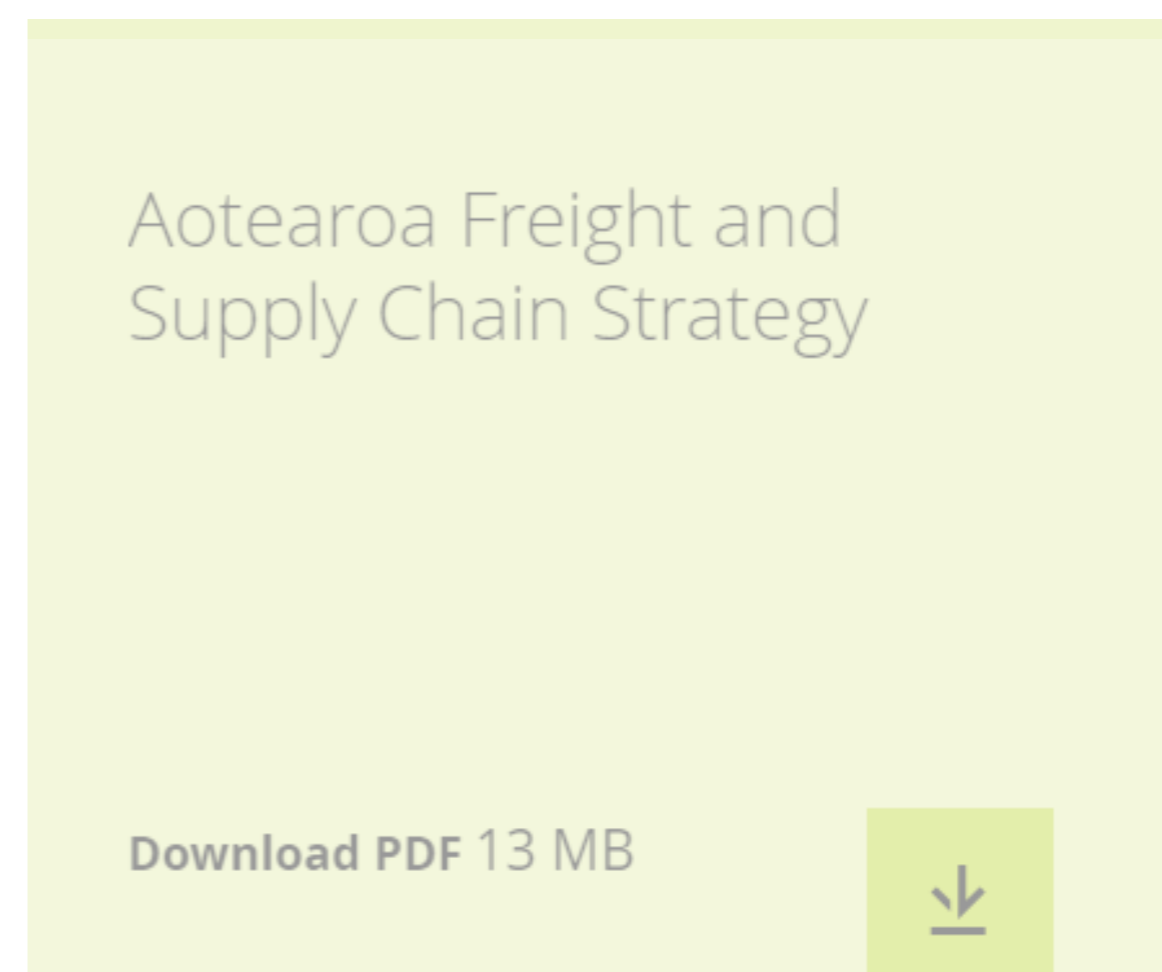
It outlines what needs to be done over three time-horizons:

- 30-year horizon: a set of enduring principles guiding how the government and sector stakeholders should approach the freight and supply chains system
- 10-year horizon: the strategic goals to guide what changes have to happen over the next decade
- three-year horizon: a collaborative approach to sequencing implementation in the first three years, which identifies initial priorities to focus on to meet the strategic goals.

To develop the strategy, the Ministry engaged extensively through workshops and interviews with a broad range of leaders and experts in the system. A reference group comprising private sector experts with experience across various parts of the system was set up so we could test ideas and analyses with them. There was also a broader public consultation on an issues paper.

Implementation is now the focus of the strategy, with a series of actions underway. A second action plan is intended for 2024. Working with the sector to develop this is part of the initial work programme.

CREDIT: www.transport.govt.nz



WHEN ENERGY EFFICIENCY IS AT STAKE

WE HAVE A DOOR TO PROTECT IT



ULTIMATE GUIDE

Choosing The Right Door For Your Cold Storage Area

Ultigroup

Need effective temperature and hygiene control? We'll prevent energy loss and help keep pathogens and bacteria out of your facility. For solutions you can trust, we've got you covered.

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MPI Trade Certification

The new Ministry for Primary Industries (MPI) Trade Certification system will replace all of MPI's existing certification systems for exports and imports.

Ministry for Primary Industries
Manatū Ahu Matua



These systems enable \$33 billion of export trade each year and help protect New Zealand from harmful pests and diseases.

The new system will be digital. It will be more flexible than current systems and more user-friendly for businesses and exporters who require trade certificates.

It will support industry by enabling MPI to respond better and faster to new market requirements and significant global events that disrupt supply chains.

From the first half of 2024, exporters will be brought into the MPI Trade Certification system in different stages, by sector group. All exporters will have moved to the new system by the end of 2025.

A new system that is built for the future

The new system will be modern and digital. It will be flexible to meet new international market requirements and emerging global trends.

Industry representatives have told us they want a new system that:

- is more user-friendly
- makes it easier to coordinate requests
- makes it easier to amend raised requests or issued certificates
- supports their own workflows
- can integrate efficiently with their own processes and systems
- safeguards the features of the existing systems that are working well for them.

Benefits of the new trade certification system

The new system will:

- be more user-friendly for businesses and exporters
- respond better and faster to new market requirements and significant global events that disrupt supply chains
- adapt to emerging international trends
- reduce use of paper certificates
- support electronic certificates for a broader range of products and markets
- enhance trusted relationships with trading partners about the accuracy of our certification
- improve import to re-export processes
- strengthen New Zealand's food safety and biosecurity management
- help minimise trade disruptions.

How the move will affect your business

If you use MPI's existing trade certification systems, you will move to the new MPI Trade Certification system sometime between the first half of 2024 and the end of 2025.

For many users, when you move, you will enter your certificate information directly into the new online system.

If you use XML uploads, CSV or business to government integration systems, the new system will offer these options.

Timeline for moving to the new system

This timeline outlines the phases and timing of how we will roll out the new system. [Click Here](#)

A person wearing a blue jacket and grey gloves is holding a clipboard with a white sheet of paper and a green clip. The background shows a warehouse with stacks of cardboard boxes.

Automating the Cold-Chain Warehouse

It's more than just robots – it's automating decision-making processes to manage costs, enhance efficiency, build resilience and navigate a volatile labour market.

For shippers and receivers of goods that require cold storage, the automation of warehouse activities and processes is not a one-size-fits-all affair. Each cargo owner has unique attributes and requirements, which means that cold-chain logistics operators need to evaluate those and tailor solutions to fit the customer. In fact, they should first consider whether a given customer scenario is amenable to automation.

When many people think of automation in a cold chain, or any warehouse, they think about robots performing some tasks that otherwise might be done by human labour. That could be the beginning, but certainly not the end, of the implementation of cold-chain automation.

Robots have their advantages. They reduce wear and tear on human workers and take over repetitive tasks, making the human side of work more rewarding. They give employers a tool to contend with labour shortages and business surges, and they even contribute to the resilience of cold-chain facility design.

However the information systems operating in the background are the ones that automate processes in cold-chain warehouses from end to end. They orchestrate robotic and human tasks and plan loading, unloading and storage. They share data among disparate platforms to make sure all platforms are operating in tandem. The ultimate goal is to automate decision-making, and it's the information systems that facilitate the analysis of data that allow that to happen. End-to-end automation in cold-chain warehouses can contribute to greater efficiency, higher quality and lower costs, benefiting cold-chain logistics operators – and their customers as well.

Cold-chain capabilities are assuming increasing importance in today's world when demand for perishable goods is on the rise, but, according to the U.S. Department of Agriculture, between 30% and 40% of the food supply in the U.S. goes to waste.

Around 13% of all food produced globally – amounting to over 1.6 billion tons – is lost every year due in part to poor cold-storage supply-chain capabilities, according to a study from Columbia University’s Climate School. Meanwhile, the cold-chain logistics industry faces an ongoing labor shortage. According to a recent research report from MHI and Deloitte, a majority of survey respondents said that hiring and retaining qualified workers were among their top supply-chain challenges.

The first step when considering the deployment of cold-chain automation technologies is to determine whether they will benefit a given scenario. “Automation works better in some use cases than others,” says Daniel Walet, a senior operations research scientist at Lineage Logistics, a temperature-controlled logistics services provider. “If you have customers whose products sit in the warehouse and don’t move much,” he explains, “then automation is less suitable than in the case where products are moving. You want to use automation when there’s a lot of work to automate.”

It goes without saying that the objective of the cold chain is to keep products at low temperatures throughout their journey through the supply chain, and to make sure they spend as little time as possible outside the freezer. On the other hand, one of the primary objectives of cold-chain automation is to keep human workers out of the freezer, where temperatures can reach -30 degrees Fahrenheit.

“Freezers are harsh environments and can be difficult to staff,” says Matt Goebel, a senior project manager. “It’s advantageous to keep people in the warmer sections of the warehouse.”

Manual warehouses use reach trucks operated by human workers in freezers, but those pieces of equipment have their height limitations, around five or six levels. Automated warehouses often use automated storage and retrieval systems (ASRS), which deploy cranes and shuttles that are programmed to retrieve pallets as directed by warehouse management systems (WMS). That configuration allows freezers to be built taller, which has several advantages.

“It creates greater density of product in the same footprint,” says Goebel, “and can reduce the land costs for the cold-chain warehouse.”

Building taller also contributes to more efficient and resilient building designs. “They’re higher density cubes, which are much more efficient to cool,” says Claire O’Connor, vice president of automation systems at Lineage. “Heat-producing forklifts are no longer required in those frozen spaces, so there’s a reduced heat load. The openings in the freezer get a lot smaller because you have only a conveyor and a pallet or a box moving through a smaller aperture. You don’t need a larger opening to accommodate a forklift, and those smaller openings reduce temperature loss.”

All of that, of course, will reduce the energy costs for the automated cold-chain facility. “In the refrigerated world, energy costs are very high,” says Goebel, “so density helps to reduce costs.”

Using robots allows warehouse operators to better manage labor costs, according to O’Connor. “Especially during difficult labor markets,” she says, “it allows warehouse operators to smooth out the peaks and troughs when they might have to ramp up or ramp down staff. Automation solutions help to address labor volatility.”

READ THE FULL ARTICLE HERE (CREDIT <https://www.supplychainbrain.com/>)



GCCA Webinar: Beyond Closing the Doors | Innovations in Cold Storage Electrical Resilience

When: November 16th

Time: 1:00 PM EST

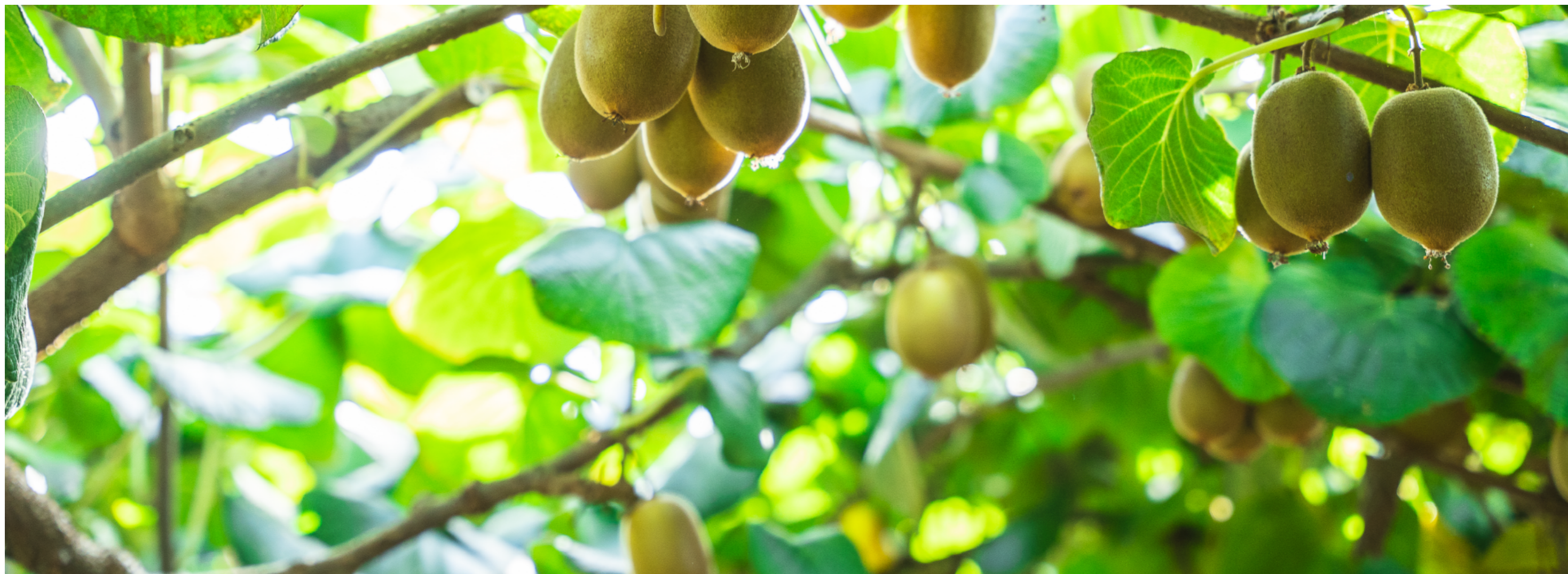
What happens when a cold storage facility loses power?

From protecting perishable goods to ensuring that pharmaceuticals maintain their efficacy, cold storage solutions are integral to countless industries. However, with the rise in power outages and grid instabilities, how can organizations ensure uninterrupted power to their cold storage facilities when the average time to restore power to 90% of customers ranges from 17 hours to 87 days. With the increasing length and complexity of outages, gone are the days of simply shutting the doors during an outage.

1. Understanding the Risks: Learn about the critical challenges the cold storage industry faces in terms of power disruptions, and the potential catastrophic effects on goods and commodities.
2. Innovative Microgrids: Delve into the specifics of how Enchanted Rock's state-of-the-art backup power solutions provide unparalleled reliability. From reducing downtime to improving power quality, get acquainted with the multiple benefits of integrating this low emission technology.
4. Client Success Stories: See business case studies that have successfully incorporated Enchanted Rock's solutions into their cold storage systems, gaining peace of mind and significantly reducing the risks associated with power interruptions.
5. Next Steps for a Resilient Future

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ZESPRI NEWS



02 Oct 2023

Zespri's kiwifruit harvest from the Northern Hemisphere is set to exceed previous sales volumes with the strong harvest supporting its efforts to deliver 12-month supply in key markets, maintain brand presence and shelf space and support New Zealand and offshore grower returns.

Zespri's Executive Officer - Northern Hemisphere Supply Nick Kirton says the Northern Hemisphere sales programme has just commenced with Zespri expecting to sell around 29 million trays, or just over 100,000 tonnes of kiwifruit from orchards throughout France, Italy, Greece, Korea, and Japan. This compares to 24 million trays or 88,000 tonnes last season.

"This season's harvest will be our biggest yet and we're looking forward to providing consumers with more high-quality and great-tasting kiwifruit as we transition from New Zealand-grown fruit to our Northern Hemisphere-grown fruit," Mr Kirton says.

"The increase in volume also reflects the growth phase we are in, enabled by our year-round investment in the brand and building demand ahead of supply."

Across the Northern Hemisphere supply regions - which include Italy, France, Greece, Japan and Korea, Zespri has formed partnerships over more than 20 years with around 1,500 Zespri growers and suppliers who play a key role in Zespri's global supply strategy which is working towards the ultimate goal of supplying premium Zespri Kiwifruit for all 12 months of the year.

This season's Green sales volumes are expected to remain steady compared with last year, while SunGold Kiwifruit sales are projected to increase by 25%, reflecting improved growing conditions, increased yields and new production.

Mr Kirton notes that this season's strong harvest was even more pleasing given the challenges faced by growers in both Europe and Asia last year. Mr Kirton says that following a season review, Zespri initiated action plans across all Northern Hemisphere regions to address the issues of last season and focus on outcomes that would lift returns for growers. This included on-orchard and supply chain improvements and working closely with market teams to achieve the best outcome for growers.

Credit: www.zespri.com

Support needed to create a large Freezer/Chiller Access Guide

Hall's Cold Chain Logistics / Icepak have engaged LM Safety to undertake a piece of work into the safe access of cold and chilled rooms.



Background

Following an incident on 14 August 2020, the Palmerston North District Court ordered Icepak New Zealand Limited to undertake a court-ordered enforceable undertaking (COEU). This COEU is putting \$500,000 back into the industry, community and company.

One piece of work is a project to better understand how temperatures impact the health of cold storage workers.

What are we looking for?

We're looking for businesses with large refrigerated or cold storage areas to collaborate with us on this project. This involves attaching tracking devices to forklifts and conducting personal worker monitoring to accurately gauge core body temperatures.

The information gathered will help us analyse patterns, enabling us to provide recommendations for how long workers should spend in these cold environments. These guidelines will take into account various factors such as the level of activity, personal protective equipment worn, and temperature conditions, among others.

“It is important that we collaborate across the breadth of the industry to ensure that the guidance we create is accurate, relevant, and practical.”

Tonille Crombie
Hall's Cold Chain Logistics - CEO

How can you help?

If you have a business operating a cold store, we'd love to include you in this study!

Fill out the form to register your interest.



<https://online.lmsafety.co.nz/coldstore>

www.coldstoragenz.org.nz

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