

PROQUIP SOLUTIONS...

PROVIDING SUSTAINABLE ALTERNATIVES

Since 1998, Proquip Solutions Ltd says it has been a trusted leader in providing new and used process and packaging equipment. The company's commitment to excellence is demonstrated through its collaborative approach with customers and suppliers, ensuring Proquip delivers the best solutions tailored to specific needs. "Proquip Solutions has revolutionised surplus asset management with innovative, customised solutions. Leveraging our years of extensive experience across varied projects, we develop effective strategies for managing surplus process assets, optimising the disposal of second-hand equipment, and maximising returns on investments," says Mark Dykes, Proquip director. "We strive to enhance efficiencies, reduce waste, and utilise recyclable materials, showcasing our dedication to minimising environmental impact through intelligent recycling processes." Dykes says that Proquip offers

a range of "top-quality new food processing and packaging machines from leading manufacturers worldwide. Our dedication to excellence, innovation, and customer satisfaction ensures that your business remains at the forefront of this dynamic industry." Additionally, Proquip's flexible rental and leasing options for packaging and processing equipment is ideal for production trials, short or long-term capacity increases, or upgrades. "Proquip Solutions continues to set industry standards by focusing on customer-centric solutions, innovative asset management, and environmental sustainability. We are proud to be a trusted partner in the process and packaging equipment industry, committed to helping your business thrive while reducing its environmental footprint." Dykes says big or small, Proquip is the company that you should call and he highlights the company's recent work with dairy co-op giant Fonterra as an excellent example of the company's work with major players within industry.

SUSTAINABILITY – PROQUIP, FONTERRA AND CIRCULAR ECONOMY

Fonterra closed the ethanol plant at its Edgecumbe site in 2022, and since then the site has been working to recycle the old plant. With the help of Proquip, it has managed to recycle a remarkable 98%.

As part of the offering, Proquip provides innovative solutions for assets that have reached the end of their natural lifecycle. This includes life extension strategies, the buying and selling of second-hand equipment and managing the disposal of assets to maximise their return.

"For years, Proquip and Fonterra have been working side by side to reallocate and maximise the return on surplus assets, both within New Zealand and offshore. While there's an obvious financial element to this work, there is also a significant focus on Fonterra's strategic priority of sustainability, ensuring that it is central to every project," says Dykes. At the co-ops Edgecumbe site, the project incorporated the disassembly of the ethanol



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plant, the removal of assets and restoring the area to a state where it can be repurposed as part of the wider site.

Dykes says many items were preserved and repurposed for application, while others were distributed to different Fonterra sites nationwide for use in alternate projects. The main part of the ethanol fermentation equipment was also sold to a New Zealand company for potential use in a biofuel project.

The project involved 1615.84 tonnes of material being extracted – approximately 403 adult elephants. This included steel from the building, steel extracted from the concrete, and various other building items. Twenty-one tonnes

were processing components such as valves, pipework, cables, and this was recycled with the funds coming back to Fonterra.

The concrete, once separated from the steel, was put through a grinder and reduced to a size where it could be used to level the site and was provided to Fonterra farmers for use in improving farm tracks.

Fonterra's project manager, Will Rouse says the demolition work completed the five-year programme of work.

"It was the final piece of the puzzle to eliminate the hazardous process from site while also reducing water usage and effluent generation significantly," says Rouse.

"We're always proud of delivering

a good outcome for the co-op while maintaining the safety and wellbeing of those involved in our projects. Re-distributing or recycling the assets is satisfying, doing our best for Fonterra's long-term sustainability targets." Dykes says it was rewarding to see results go beyond the site.

"Through teamwork and focus, we've not only made a positive difference for this Fonterra site but also the wider community and the environment in and around Edgecumbe. The repurposing of equipment into other applications extends life and minimises waste. Our projects with Fonterra continue to generate favourable sustainability results, and we look forward to doing more impactful work with the co-op in the future". The remaining 2% was made of treated timber, insulation, and polystyrene, for which there is no recycling opportunity within New Zealand. For more information email sales@proquipx.com, visit www.proquipnz.co.nz or call +64 021 480 441.



Surplus Process Asset Management

We excel in the strategic management of surplus assets, ensuring maximum returns on your investment with a structured plan from individual items to complete sites.



- Converting surplus plant to cash
- Giving new life to items and reducing waste
- Freeing up valuable space

Our costs are recuperated through the additional gains achieved. Significant experience across multiple sites.

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