

# Getting to the Core of the Challenge



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Location  
Okanagan Valley, British  
Columbia, Canada

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Wall Products  
KS Series Shadowline

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Finishes  
Imperial White Modified  
Polyester

## Overview

At BC Tree Fruits Cooperative (formerly Okanagan Tree Fruits Cooperative), the existing Controlled Atmosphere and refrigerated storage systems were antiquated and inefficient from an energy use point of view. Before they undertook major renovations, BC Tree Fruits were averaging seven months store of their apples.

Today, it is a different story. Since Kingspan's KS Shadowline cold storage IMPs were installed to ensure a stable interior environment, the apples can be stored for up to a year. In fact, the BC Tree Fruits Winfield facility is now one of the most modern and up-to-date packing plants in Canada.



Wall Product  
KS Shadowline



# Growing Success

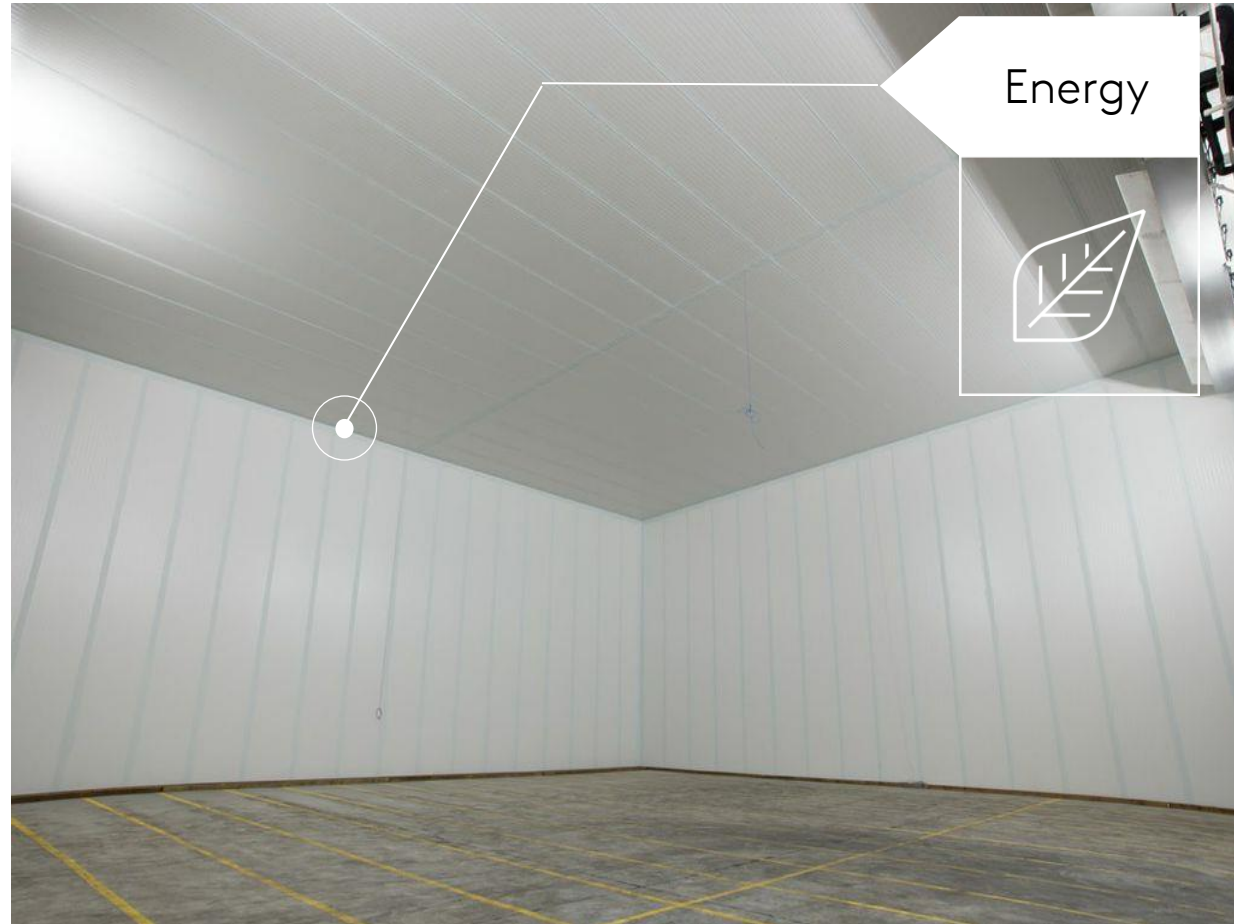
## Business Challenge:

The existing Controlled Atmosphere and refrigerated storage systems at BC Tree Fruits Cooperative needed major upgrades with a more sustainable technology to improve the quality of the product, reduce the building's carbon footprint and excessive maintenance costs, and give the building a modern makeover.

## Kingspan Solution:

Kingspan's KS Series Shadowline cold storage wall systems provide superior airtightness to maintain the desired concentrations of oxygen and carbon dioxide.

Kingspan KS Series Shadowline Panels were the choice for sustainability and to ensure BC Tree Fruits' long-term viability in the industry. Kingspan IMPs have a core of continuous, polyiso rigid insulation for industry leading R- and U- values.





# Reaping the Benefits

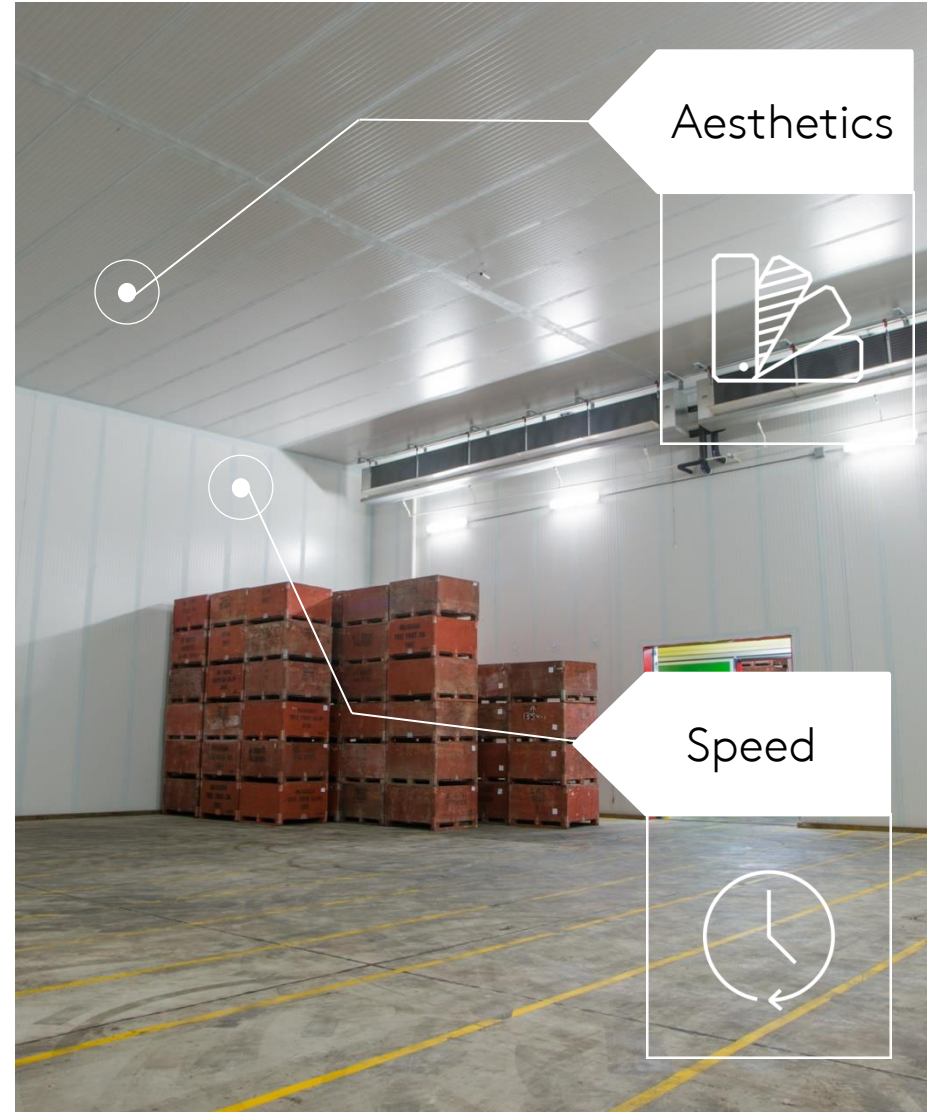
## Architectural Benefits:

BC Tree Fruits called on the late Scott Baker and Bruce Huntley from TriCorp Developments in Vancouver Island, part of the Versatile Group, to help with facility performance measures to maximize their growers' fruit returns.

TriCorp achieved this through innovation and efficiency in the 23 Controlled Atmosphere storage rooms at BC Tree Fruits' Winfield packinghouse. They used Kingspan insulated metal panels (IMPs) to fulfill the insulation requirements and aesthetic needs for a complete building renovation and upgrade.

## Installation Benefits

The renovation started in February 2013 with an on-time completion in October 2013. Huntley credits the timeliness to the installation-efficiency of IMPs, which are simple to detail and attach.



# Kingspan – A Firm Favorite

## Owner Benefits:

Kingspan's KS Shadowline cold storage wall systems made a noticeable difference. They provided superior airtightness to maintain the desired concentrations of oxygen and carbon dioxide. At this rate, apples have greater retention of firmness and acidity—both important aspects of the crispness and juiciness we all enjoy.



## Contact

For more information on  
the products used in this  
project, please email

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