



Cool Project in the USA

From Smoked Sockeye Salmon to Alaskan Fish & Chips, the NewCold storage facility in Tacoma, stores Trident Seafoods products in 610,000 cubic meters fireproofed by active oxygen reduction.

NewCold, a company based in the Netherlands, specializes in operating automated, deep freeze storage facilities and handles distribution for leading food companies around the world. Its most recent, and one of the largest deep freeze warehouses in the US, was built in Tacoma, Washington (US), and began operations in May 2018. NewCold chose OxyReduct® technology to protect their latest enterprise from the threat of fire. "Our first project for NewCold in the US presented us with major challenges," says Frank Siedler, VP Business Solutions, Americas, at WAGNER. "Not only did we have to meet the national and regional compliance requirements within the American market, we had to coordinate project partners from seven countries. Add to that the time difference between the US and Germany and you'll get an understanding of the organizational hurdles we had to overcome."

Solution reduces fire risk and energy costs

For a fire protection solution that addresses the challenges presented by deep-freeze environments, NewCold deployed an oxygen reduction system in its Tacoma facility. "OxyReduct® adds just enough additional nitrogen into the protected area to reduce the concentration of oxygen to the required safety level," explains Florian Buchner, Sales Manager West Coast US at WAGNER. This minimizes the possibility of a fire while also offering several other advantages: "Sprinklers commonly used in the US become ineffective depending on ceiling height. Additionally, their use comes at an additional cost to the facility as it loses storage capability near the ceiling," says Buchner. By contrast, OxyReduct® allows pallet racks to extend to heights of over 40 meters, increasing the storage volume for goods.

Jonas Swarttouw, US Country Manager of NewCold, states "For us, oxygen reduction technology is the optimal way to protect our facilities from the risks of fire and the frozen goods entrusted to us by our customer. It is a



NewCold Tacoma by the numbers

around 700,000m³ total volume, of which

- approximately 610,000 m³ protected with OxyReduct®
- 14,558 m² high rack storage area (41.8 meters)
- 100,000 pallet storage spaces
- 8 automatic pickers
- -20°C temperature in storage area

preventive measure versus firefighting offered by sprinkler systems."

Award and follow-up project

In November of 2018, NewCold's Tacoma facility was awarded the "Built by the Best" Award by the International Association for Cold Storage Construction (IACSC). By Spring 2019, NewCold's second, fully automated facility is slated to open in Burley, Idaho. With the construction design success of its first project in the US, NewCold's second project will once again feature WAGNER's OxyReduct® technology, this time protecting 17,000 square meters of McCain frozen French fries. "I don't see anything standing in the way of future collaborations with NewCold," said Siedler, "and we're looking forward to it." ■

Thanks for your feedback!

Positive response: Impulse readers responded to our survey and gave our magazine an overall grade of "Good". In particular, they gave high marks to the general information we provide on fire prevention, and to our project reports. Readers also felt that the magazine covered news sufficiently well. They saw room for improvement with regard to international perspectives, changes in laws, and information about trade fairs and events. We're working on those. As requested, the WAGNER Impulse will also be available as a print magazine in the future. You can also subscribe to our newsletter, or just check out our LinkedIn page, which is where we post the newest of the new. Thanks very much to all the readers who took the time to participate in our survey, and congratulations to the winners of the BestChoice gift certificates.

