



Case study

# Lower costs, satisfied team, reliable systems. Optimal logistics!



**Customer**

Bischof  
Lagerhaus AG



**Location**

Sennwald (CH)  
Feldkirch (AT)



**Sector**

Food logistics



**Dust reduction**

Up to 90 %

## At a glance

“Since 2016, we have been enjoying clean air at our location in Sennwald. The air purifiers from Zehnder Clean Air Solutions have exceeded our expectations. We were so impressed that we have in the meantime equipped our headquarters in Austria and two new drying halls in Sennwald with them. Our employees are also satisfied. Because they say: The difference can be clearly felt!”

Otto Bischof, founder and managing director of Bischof Lagerhaus AG

### Challenges

For a logistics company such as Bischof Lagerhaus AG, dust is a challenge that is integral to their work. Wherever people move about, machines operate and goods are moved, pollutant particles occur. This cannot be prevented.

However, what can be prevented are the problems resulting from this dust: Dust reduces the service life and reliability of both systems and vehicles, is harmful to the health of employees and complicates the cleaning of the warehouses.

### About Bischof Lagerhaus AG

Bischof Lagerhaus AG in Sennwald (Switzerland), a subsidiary of Bischof Lebensmittellogistik, is a specialist for (deep) cooling products. How is this expressed in numbers? On a total area of 54,000 m<sup>2</sup> the company manages around 10,000 deep cooling palette slots and 12,000 multiple temperature palette slots (fresh and dry goods storage). Incidentally, they are powered by photovoltaic systems that extend across a total area of 7,667 m<sup>2</sup>.

The company is continuously pursuing a path of innovation, future-orientation and sustainability: Its oper-

### Benefits

Reduced costs, less cleaning effort and healthier employees – these are the benefits we have achieved for Bischof Lagerhaus AG. At the same time, even though it may sound too good to be true: with Zehnder Clean Air Solutions, the logistics company was able to reduce the particle concentration in its warehouses by around 90 %. And the result? Today, the company staff breathe fresh air, the goods remain dust-free and the service life of deployed machines benefits as well.



## Logistics in tune with the times

Always in pursuit of innovation. This is the motto that expresses the attitude of Bischof Lagerhaus AG Logistik in Sennwald, Switzerland, as well as Feldkirch, Austria. Offering more than 20,000 pallet slots and with a reliable team, the company handles large contracts for customers, seemingly effortlessly.

## Dust in the works – why Otto Bischof is aiming for clean air

When goods are packaged, stored and collated, one thing is certain – large amounts of dust will be created. **In logistics, harmful particles settle on machines, in rooms and also inside the lungs of employees.** Much movement in warehouses additionally disperses the dust and distributes it across the halls.

Otto Bischof, managing director of Bischof Lagerhaus AG, recognised this a long time ago: “Clean air in our warehouses is an absolute success factor for us. In particular our customers from the food sector rightfully expect high standards as their products must be transported with great care. If our warehouses look dirty, then our customer will not continue to place their faith in us.”

He added: “We are also responsible for our staff. Employees should be able to breathe freely while working, be as satisfied as possible and thus less prone to illness. Of course, we support these aims. This is why we looked for modern air filtration systems.”

## Zehnder Clean Air Solutions as an unparalleled partner

In their search for air purifiers, Otto Bischof and his team compared many suppliers. In January 2016 they were first visited in Sennwald by Zehnder Clean Air Solutions. Otto Bischof already discovered on the first day of the visit that the solutions offered were as perfect as the included service package. The representative of Zehnder Clean Air Solutions conducted dust measurements in the drying hall and already provided practical tips and suggestions for improving the air quality.



The first impression was underlined after installation of the first air purifiers. In fact expectations were exceeded. Otto Bischof summarised; “Our decision to opt for the solution from Zehnder Clean Air Solutions was (quite honestly) already made after the first verification check. **It was immediately clear to us that we could accomplish almost zero dust with these air purification systems.** Today, we are preventing 90 % of all dust and enjoy the many additional benefits of clean air.”

Otto Bischof emphasised that this did not only apply to a single warehouse. Since 2020, Otto Bischof Lagerhaus AG has been using six additional air purifiers, both in the drying hall B in Sennwald and in Feldkirch, Austria. In the drying hall C in Sennwald, additional units are also being installed. High dust loads? History at the premises of Otto Bischof.



## Clean air pays off on many levels

Otto Bischof Lagerhaus AG was especially pleased of the positive feedback of the staff. They described a thoroughly pleasant room climate that can be felt with every breath. **The increased satisfaction of employees also reduced their health problems and number of sick days.**

Yet not only that: Thanks to Zehnder Clean Air Solutions, the company's machines are nearly maintenance-free. This is true of forklifts, conveyor belts and conveyor systems as well as special cooling systems.

Talking about special cooling systems: In the deep cooling sector, Otto Bischof Lagerhaus AG cannot use water for cleaning due to the freezing point. What used to be a big problem in the past is a small matter today. Where there is no dust, there is also no need for special cleaning.

And what happens when customers see the warehouses? "We already mention the use of air

purification systems during the first meetings with our customers. As soon as they enter one of the warehouses they are impressed by what they see. **The cleanliness distinguishes us from many of our competitors, customers know that their goods are safe with us**," explained Otto Bischof.

## Never again without the Zehnder effect

"Our collaboration with Zehnder is excellent. The extensive measurements always show us where we are at exactly. In addition, Zehnder reacts flexibly and quickly to changes in our facilities and adjusts the solution accordingly," said Otto Bischof.

He summed his impressions up as follows: "I am sure that we will install Zehnder Clean Air Solutions in all our new buildings in the next few years – after all, the results speak for themselves."