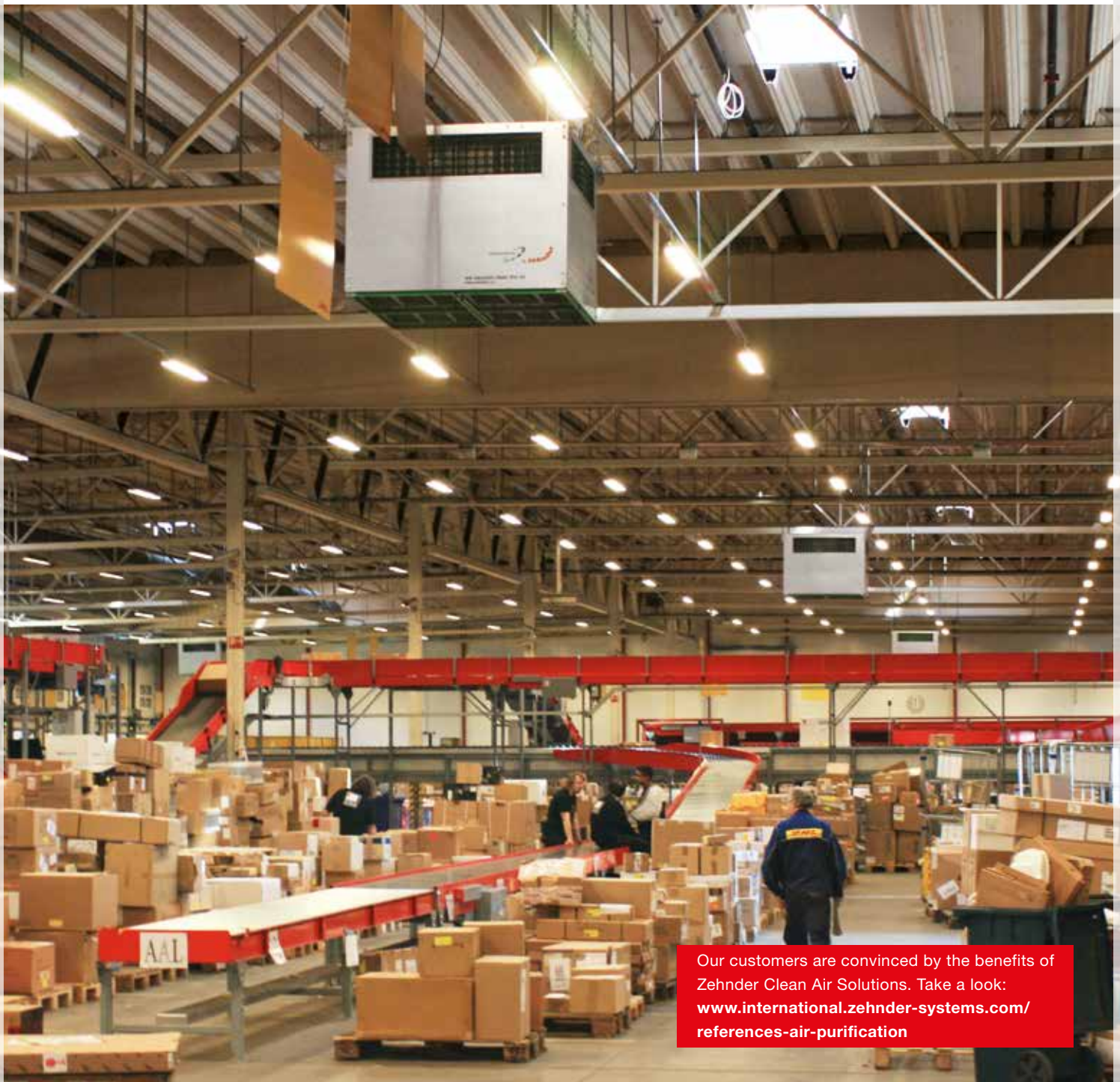


DHL main terminal Oslo, Norway

Goods terminal



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DHL main terminal Oslo, Norway



Previously, the air in the logistics giant DHL main terminal outside Oslo used to be very bad, with clouds of dust everywhere in the building. It was not just a health hazard, it also influenced the operations and the daily costs. The solution was to install air cleaners from Zehnder, which means that for the first time the view is clear from one end to the other of the hall.

Clouds of dust indoors

"When we looked up towards the windows under the ceiling of the hall we could clearly see the ever-present cloud of dust," says Tommy Slåttum, regional manager for DHL. "I don't want to tell you what we

saw when we blew our noses at the end of the working day," he says with a mixture of a smile and a grimace. "People work here everyday with goods that are sent all around the world, and of course it stirs up a lot of dust. Firstly, there is a huge amount of paper and cellulose dust from cartons and pallets. Secondly, the wheels of the pallet trucks create black rubber dust. We are also affected by the fact that the E6 to Oslo, one of the most heavily trafficked in Norway, passes just outside. And to cap it all, the storage hall is right next door to a sand quarry!"

Even if DHL hadn't registered any major health problems with the staff, it was not difficult to decide to do something about the situation. The dust is not just a potential health hazard, it also influences the operations and the daily costs.

"The logistics system in the hall is based on photocells, and they stop working when they get covered with dust," says Tommy Slåttum. The costs for interruptions of operations quickly mounted. To that was added the costs for cleaning the hall and for cleaning the filters that clean the air before it is exhausted from the building. "We hope to lower the cost for heating the hall during the winter months, because the Zehnder



FACTS

Company:	DHL main terminal Oslo, NO
Installed products:	2 x E3000 + 12 x E12000
Dust reduction after installation:	72 %
Dust source:	Warehouse activity (e.g fork lifts, parcel handling, rubber tires of fork lifts)
Benefits:	Higher productivity (less interruptions in the sorting machine), cleaner goods, reduced costs of heating and cleaning
Installed since:	2010

system keeps the air circulating, moving the warm air under the ceiling around in the hall," he says.

A good measure for the staff

The foreman and safety representative Hilmar Davidsen agrees with that positive view.

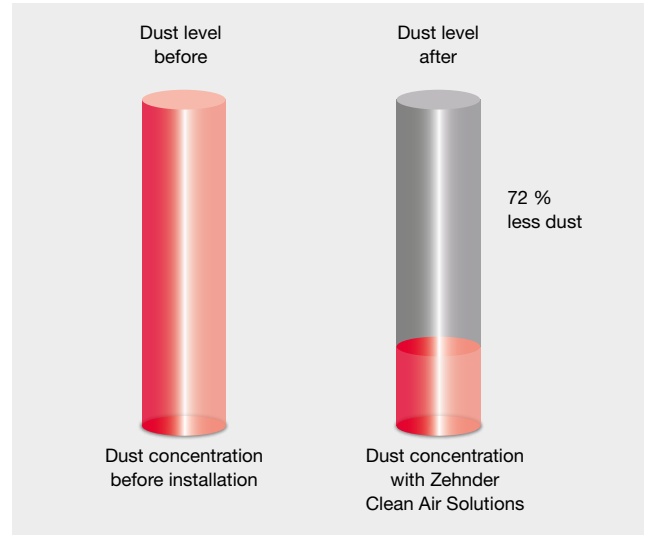
"This is an excellent health move. Dust is a problem in all terminals of this kind, and we that work here appreciate all measures that are taken to improve the situation. There will always be a certain amount of dust, and those that are sensitive cannot work here, irrespective of what measures are

taken. But there is no doubt that this kind of solution is worth whatever it costs. You have to be aware of the fact that the consequences of working in a dusty environment usually do not manifest themselves for quite a long time, so it is best to act early. But to sum up: the people who work here have noticed that the air is much better since the air cleaners were installed."

Clean air, simple and effective

DHL have invested in six Zehnder units that are hung from the ceiling in the great hall. "Once we had decided on a solution, it did not take long before the units were in place. We have an open design for the

ceiling, so it was just a matter of hanging them in chains from the beams, and they are not in the way of anything. So far, there has been not problem whatsoever. They work as advertised, and the dust disappears. We have signed a service agreement that means that Zehnder takes care of the maintenance according to a set schedule. It cannot be simpler than this," says Tommy Slåttnum with a smile.



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