



ENSURING MARKET SUCCESS. ASSURING SAFETY.



CUSTOMER

Schenker
Deutschland AG



LOCATION

Langenhagen (DE),
Dortmund (DE)



SECTOR

Transport &
logistics



DUST
REDUCTION

87 %

In search of a clean solution

With 100 locations in Germany and over 2,000 locations worldwide, DB Schenker is a leading provider of global logistics services. Day in, day out, more than 68,000 employees worldwide are hard at work providing top-class services for the company. For the market leader, this means a high degree of responsibility. Ultimately, it is about ensuring the safety of the workforce – without restriction and without compromise.

CLEANLINESS AND SAFETY ARE CORNERSTONES FOR US. ESSENTIALLY, A TIDY WORKPLACE PREVENTS OCCUPATIONAL ACCIDENTS, WHICH IN TURN BENEFITS THE HEALTH OF EMPLOYEES.

Martin Witt, Health and Safety Officer at Schenker Deutschland AG, Langenhagen/Hanover.

Particles send workplace safety into a spin

In a logistics company like DB Schenker, dust is impossible to avoid. The abrasion of the forklift wheels and the dust which is brought in from outside mean that new disruptive particles develop each and every day. When industrial trucks and people move around, this contamination is then distributed in the halls and over the goods. This coarse and fine dust in the air jeopardises occupational safety, as it becomes harder to breathe and vision is impaired. Dirt on the roadways changes the driveability of industrial trucks and means they need a longer braking distance. If moisture then also comes into the mix, the floor becomes slippery. The result: the risk of an accident occurring increases. What's more, a fire safety certificate that DB Schenker received pointed out a further hazard: deposits of dust and contamination on electronic systems put safety at risk and can cause electrical short circuits and consequently fires.

WE WERE ALWAYS AWARE THAT SOMETHING HAD TO BE DONE. BUT WE DID NOT HAVE ANY IDEA ON HOW WE COULD TACKLE THIS.

Benjamin Kalle, Head of System Freight at Schenker Deutschland AG, Dortmund

A DB Schenker employee was ultimately the one who offered the crucial tip when he mentioned the industrial air cleaning systems from Zehnder Clean Air Solutions. These solutions are already tried and tested at Schenker, as they are successfully being used at two of the logistics company's locations.

Premium solutions for the premium logistics service provider

The high-performance air cleaning systems from Zehnder Clean Air Solutions act right where dust develops – owing to a clever, patented filter combination. The core of this technology is the Flimmer filter, which attracts fine and coarse dust particles from the air as it flows through and binds them by means of mechanical and electrostatic charge. If the Flimmer filter runs out of capacity, the downstream Media filter collects any remaining particles. The technology and measurement results for comparable reference projects were enough to win over the Schenker





managers. As a result, industrial air cleaning systems were installed at two further Schenker locations – with success that is plain to see, feel and measure.

PERSONALLY, I WAS VERY SCEPTICAL BUT THE EVALUATIONS THAT A COLLEAGUE SHOWED ME WERE COMPLETELY UNNECESSARY, AS I COULD SEE SUCH A HUGE DIFFERENCE WITH MY OWN EYES.

Michael Rehbein, Managing Director at Schenker Deutschland AG, Dortmund

Depending on the location, it has been possible to reduce the levels of dust by up to 87% – dirt that has now disappeared from the air and which the workforce is no longer breathing in. Only small amounts of dust deposits are now being found on technical equipment such as switch boxes and loading devices. As less contamination is also accumulating on the ground, the braking distances of the vehicles are reduced dramatically and the risk of slipping has been eliminated. In a nutshell:

M RECORDING FEWER OCCUPATIONAL ACCIDENTS.

Kathrin Schubert, Environmental, Health and Safety Officer at Schenker Deutschland AG, Langenhagen/Hanover

A clear case for the budget – and opportunities in the market

A further welcome „side effect“ is that significant savings have been able to be made now that less cleaning and maintenance is required and fewer malfunctions are recorded. There is also no need for a high level of investment, as Schenker pays a monthly service fee that covers all of Zehnder’s services: units, installation, maintenance and filter replacement.

THIS ENABLES US TO REACT TO CHANGES IN BUSINESS PROCESSES QUICKLY AND FLEXIBLY.

Christian Schulz, Managing Director at Schenker Deutschland AG, Langenhagen/Hanover

Summary:

Cleanliness and safety have been improved considerably. As a result, DB Schenker is increasingly able to demonstrate the responsibility it assumes for both its employees and its customers. What’s more, the logistics service provider is increasing productivity and reducing costs – factors which contribute to the economic efficiency of the company.

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CLEAR ARGUMENTS TO START GETTING CLEAN

Zehnder Clean Air Solutions supports logistics companies like DB Schenker to establish optimum working conditions for their employees and to strengthen their market position.

1 More safety

Lower risk of slipping, improved vision, fewer controller failures, fewer equipment malfunctions.



2 Reduced costs

Less effort for cleaning and maintenance, rate of returns cut.



3 Improved cleanliness

Fewer particles on appliances and systems, improved visual impression of the workplace, longer cleaning intervals.



4 Greater efficiency

Less downtime, less sick leave, less wear, longer maintenance intervals.



5 Improved health

Less physical stress, reduced risk of illness, improved well-being.



6 Better quality

Cleaner goods, higher standards, even better reliability and happier customers.

