

Zehnder Clean Air Solutions:  
More success in your area of industry.

**zehnder**

always  
around you

Heating

Cooling

Fresh Air

Clean Air



# Experience shows that our clients encounter these challenges:

- **Meeting high customer expectations:** Your customers expect clean, good quality products. They will complain and return goods which do not meet their expectations.
- **Increasing costs, or ongoing need for cost reductions:** Cleaning and maintaining specialist equipment, plus production costs, get more expensive. Your budget remains limited and market competition increases.
- **Requirement to improve energy efficiency:** Cost pressures, together with increasing regulation and environmental lobbying, force companies to use energy more economically.
- **Process interference:** The failure of equipment, sensors, systems or infrastructure as a result of contamination has a negative impact on the smooth running of processes and pushes up the operating costs.
- **Rigorous regulatory requirements:** External authorities specify strict requirements for hygiene and safety. Consistent compliance with these requirements adds to the workload.
- **Increased absenteeism:** Difficult working conditions lead to lower levels of job satisfaction, less staff productivity and more absenteeism.
- **Safe-guarding your corporate image:** The reputation of your company plays a key role in its long-term growth. Inadequate processes, poor hygiene and unreliable product quality put it at risk.

# Clients tell us that they want to achieve:

- **High customer satisfaction:** A clean & hygienic environment which enables you to maintain high standards and stable product quality. This results in fewer returns and complaints, and also benefits your company's reputation.
- **Maintenance cost savings:** Lower costs while maintaining standards. Fewer process & equipment problems caused by contamination, less need for cleaning, and improved efficiency help to keep in line with your budget.
- **Energy efficiency:** Save energy by recovering waste heat, eliminating fans and similar ventilation, and reducing the need for cleaning with compressed air.
- **Efficient workflows:** Reliable, smooth running processes without unexpected interruptions. Reduced need for emergency maintenance, cleaning and workarounds.
- **A hygienic production environment:** A hygienic & clean environment which enables you to maintain high standards and product quality. Facilities ready for inspection at all times, by the authorities or your customers.
- **More productive employees:** A healthy working environment reduces absenteeism and staff turnover, and improves individuals' output. It also helps increase staff motivation, having a positive effect on quality.
- **Improved corporate image:** A reputation for satisfied customers due to reliable, clean and in-time delivery of goods. Positive inspection results and a visibly clean environment provide affirmatory evidence.

# Zehnder Clean Air Solutions delivers value to your business

**Your customer receives clean goods consistently:**

Production of clean, hygienic products due to a significant reduction in dust particles of up to 90%. This results in fewer complaints, better product durability and more satisfied customers.

**Reduced energy use:** Reduced heating costs resulting from ceiling-to-floor air circulation, and low operating costs thanks to EC fan motor technology lead to an overall improvement in energy efficiency of up to 30%.

**Ready for inspection at any time:** The environment meets high standards typically required by inspectors. Hygiene and cleanliness are continuously maintained with up to 70% less effort. Dust particles, spores and gases are all reduced.



Zehnder CleanAir 12



**Here's how Zehnder Clean Air Solution works:**



Scan this QR code or use the web address below to watch the film about the functional principle of Zehnder Clean Air Solutions.  
[www.zehnder.co.uk/video/clean-air-solutions](http://www.zehnder.co.uk/video/clean-air-solutions)

**Reduced operating costs:** Cleaning, maintenance, business interruptions, energy usage and absenteeism are all reduced by maintaining a clean working environment. Zehnder has benchmarked cost savings in each of these areas.

**Reliable workflows:** Fewer process interruptions, with reductions of up to 10% in machine downtime and 30% in maintenance, resulting from reduced contamination.

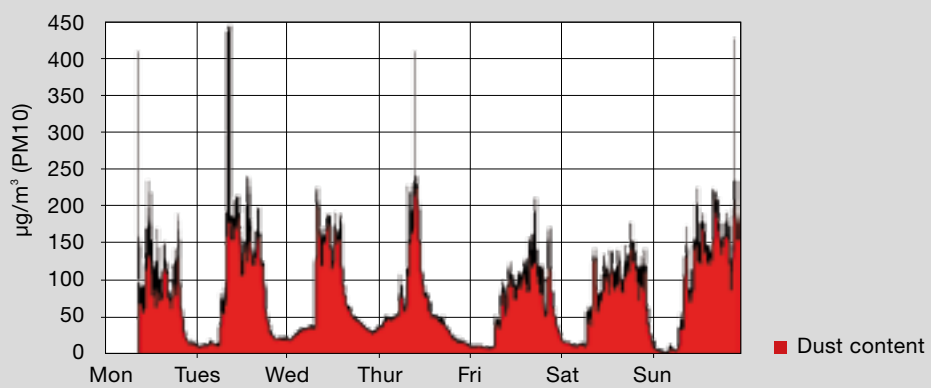
**Improved staff productivity:** Clean filtered air reduces sick leave by up to 40%. Reducing unhealthy dust particles makes your workforce healthier and more motivated, improving retention, output and work quality.

**Improved reputation and corporate image:** Satisfied customers and employees, efficient processes and positive inspection results are enabled by clean, hygienic conditions. Together these strengthen the company's image and reputation.

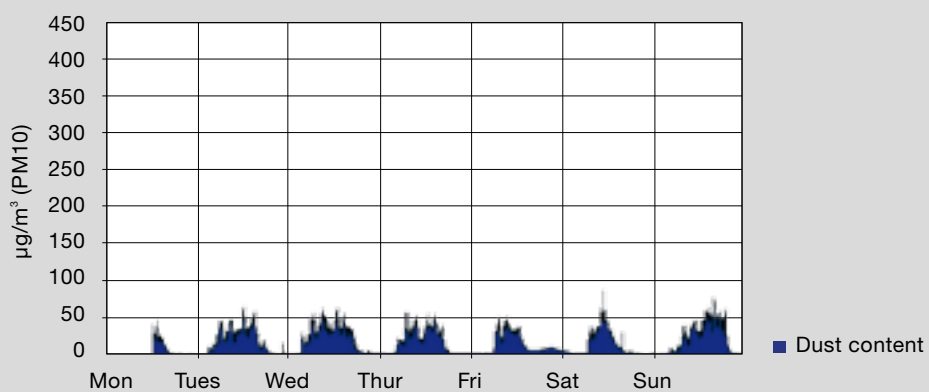
# Less dust ...

With Zehnder Clean Air Solutions, the dust content of the area is effectively reduced.

**Dust concentration before installation**

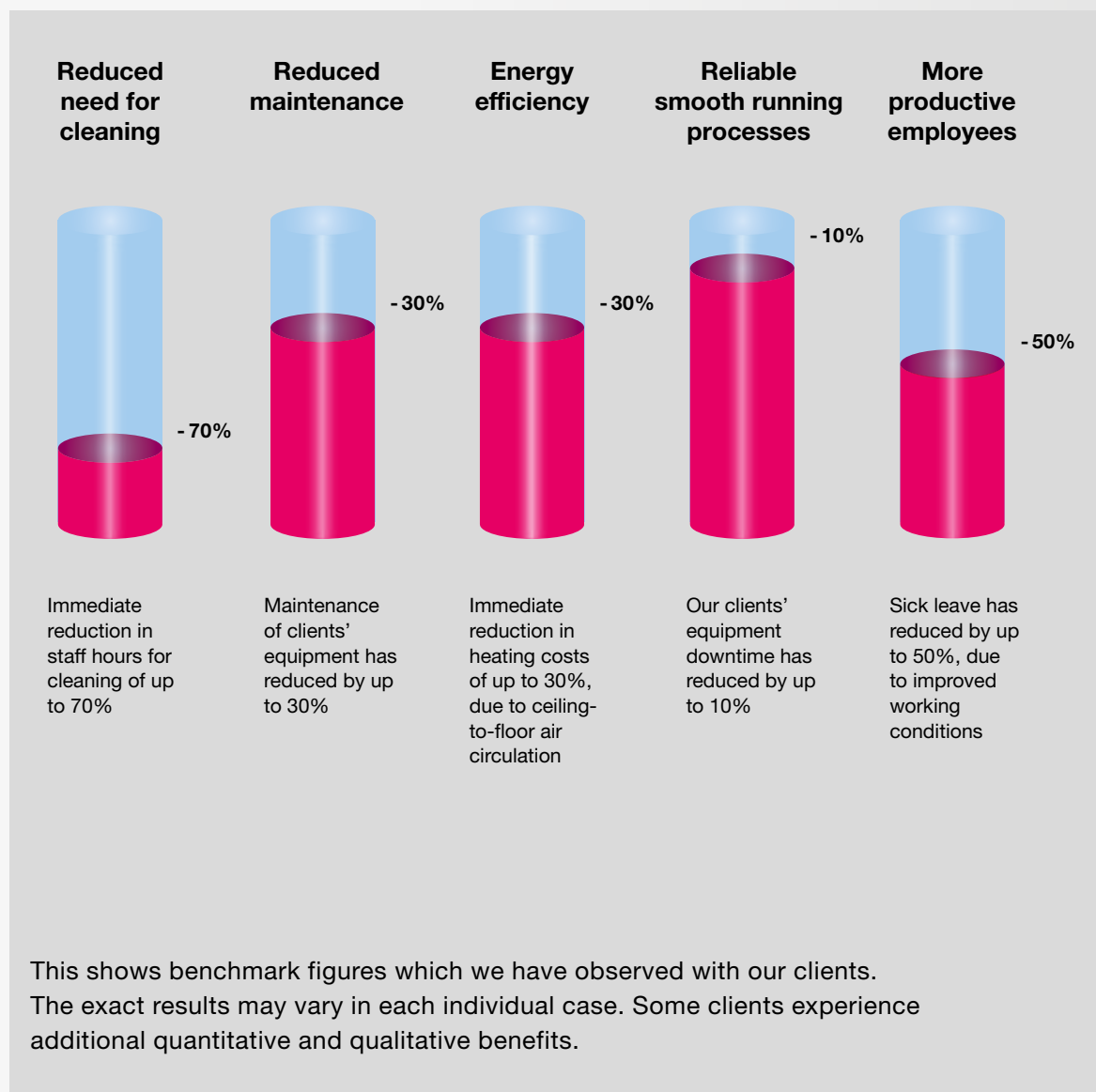


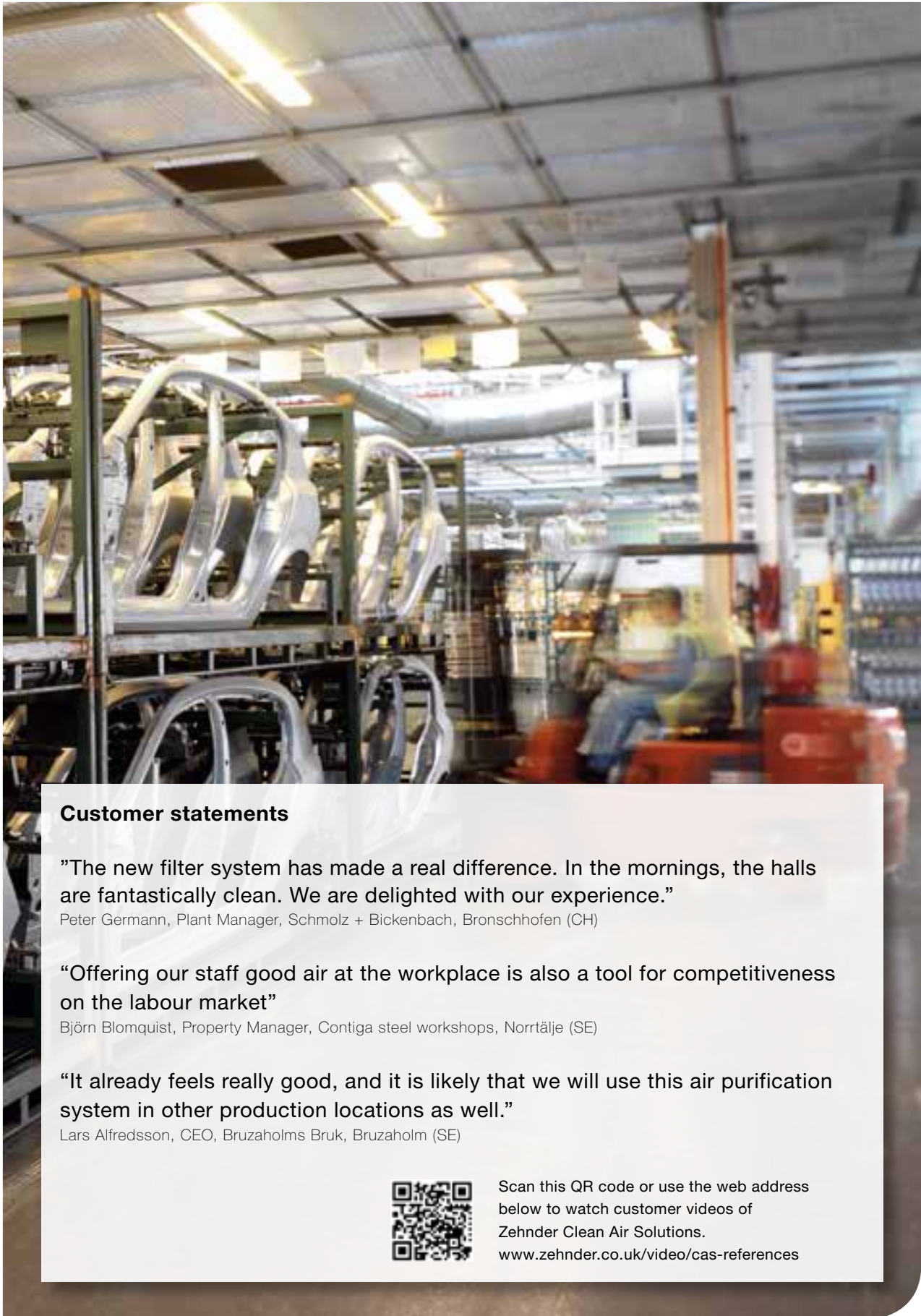
**Dust concentration after installation**



## ... reduced costs

The value of Clean Air Solutions is measurable. The pay-back has been proven by many of our clients.





### **Customer statements**

**“The new filter system has made a real difference. In the mornings, the halls are fantastically clean. We are delighted with our experience.”**

Peter Germann, Plant Manager, Schmolz + Bickenbach, Bronschhofen (CH)

**“Offering our staff good air at the workplace is also a tool for competitiveness on the labour market”**

Björn Blomquist, Property Manager, Contiga steel workshops, Norrtälje (SE)

**“It already feels really good, and it is likely that we will use this air purification system in other production locations as well.”**

Lars Alfredsson, CEO, Bruzaholms Bruk, Bruzaholm (SE)



Scan this QR code or use the web address below to watch customer videos of Zehnder Clean Air Solutions.  
[www.zehnder.co.uk/video/cas-references](http://www.zehnder.co.uk/video/cas-references)

Z\_UK\_V1214\_CAS\_PBR, en, subject to change without notice