



Case study

EVG scores with commitment to innovation and employee welfare



Customer

EVG Maschinenbau GmbH



Location

Raaba (AT)



Sector

Reinforcement and industrial mesh



Dust reduction

Up to 91 %

At a glance

“Our priority is to create a safe and healthy working environment for all our employees. With the introduction of Zehnder Clean Air Solutions, we have taken a decisive step towards even better air quality. Consequently, we’ve been able to significantly improve the satisfaction and occupational health and safety of our workforce.”

Peter Maritschnigg, plant manager

Challenges

EVG has always attached great importance to a clean production environment. „It’s a must, especially in mechanical engineering,” says Peter Maritschnigg. However, when the company expanded its production area, the plant manager realised that it had become increasingly difficult to maintain cleanliness and air purification.

Importantly, EVG wanted to do more than necessary to offer its employees a working environment that protects their health. The goal was to not only meet the legal requirements for air quality but exceed them.

About EVG Maschinenbau GmbH

With over 530 employees, EVG is a leading manufacturer in the mechanical engineering industry, specialising in solutions for reinforcement and industrial mesh production. As Plant Manager, Peter Maritschnigg is responsible for production, purchasing and general plant management.

Benefits

The installation of the Zehnder air purifiers led to a significant reduction in dust particles, up to 91 % in mechanical production and 45 % in the welding shop. The employees have also noticed a tangible improvement in air quality, which has not only had a positive effect on their health but on their job satisfaction and general productivity. Meaning EVG has been able to demonstrate its commitment to innovation and employee well-being.



EVG’s recipe for success for top air quality

With more than 530 employees, EVG Maschinenbau GmbH is a leading manufacturer in the mechanical engineering sector. Specialising in reinforcement and industrial mesh, the company attaches great importance to quality and innovation and prides itself on its commitment to pushing the boundaries of technology while promoting safe and sustainable working conditions. Consequently, EVG has long been synonymous with quality, reliability and employee welfare.

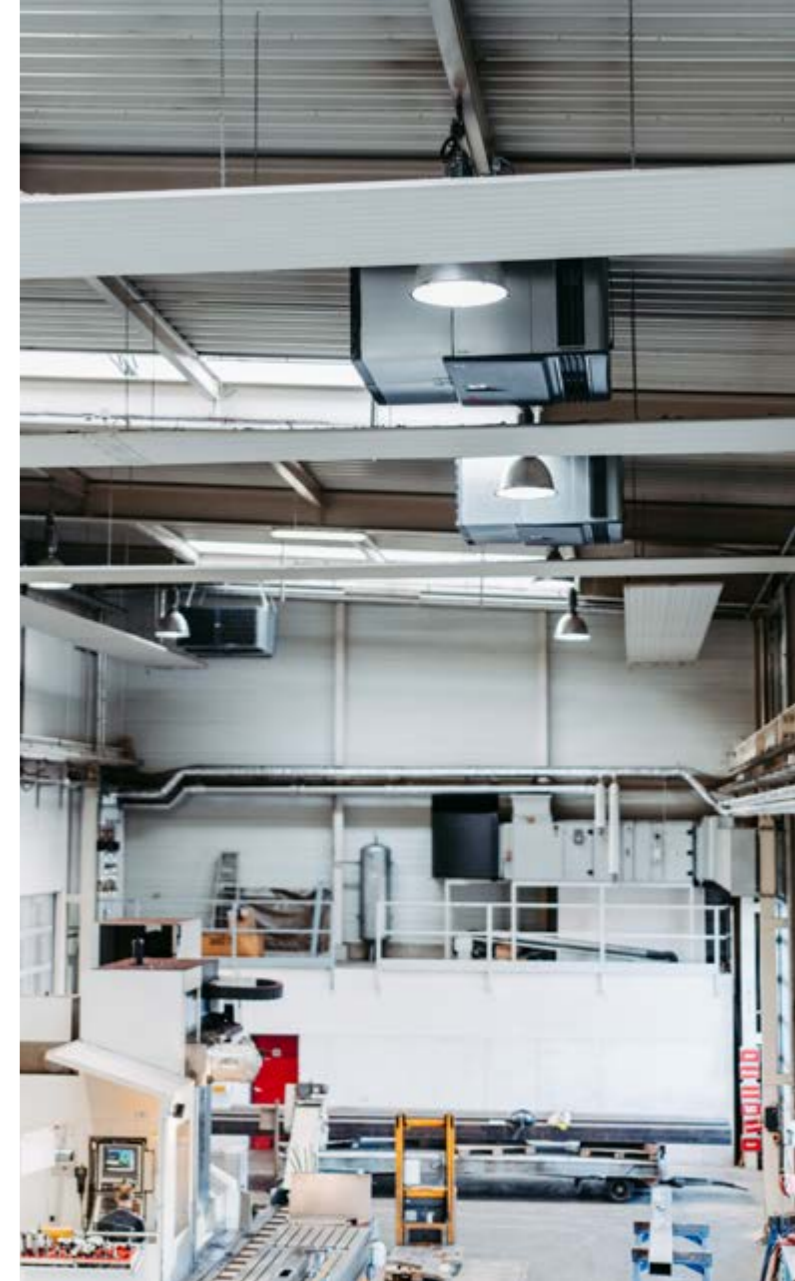
However, the expansion of the production areas in 2023 led to increased welding fumes. This meant that the company was faced with the challenge of increased air pollution in the welding shop and mechanical production areas. **The goal: to not only meet their own requirements for air quality but to exceed them.** Air purification measures had already been taken in the welding shop. However, the company was looking for an innovative solution that could help to protect the health of its employees more effectively and ensure product quality in this area and in mechanical production.

In search of a solution

The collaboration between EVG and Zehnder Clean Air Solutions is the result of a happy coincidence. Just as the hall was being remodelled, one of the air purification specialists from Zehnder contacted the mechanical engineering company. The solution concept immediately caught the eye of plant manager Peter Maritschnigg, especially because the installation of the air purifiers proved to be very simple. **The energy-efficient technologies, customised solutions and 360° service rounded off the offer perfectly and laid the foundation for the collaboration.**

Technical realisation and installation

Zehnder Clean Air Solutions carried out a detailed analysis of EVG’s production facilities prior to installation. Based on the findings, customised air purification systems and filter combinations were defined and installed for the various production areas. In the end, a total of 9 air purifiers were installed in EVG’s two halls.



Because the mounting could be carried out during ongoing operations it was a smooth and quick installation. Plus, by **attaching the devices to the hall ceiling, the company saved important space on the floor.**

The results reflect real progress

In mechanical production, fine dust pollution has reduced by up to 91 %. In the welding shop, a reduction of 45 % has been achieved.

Overall, the collaboration between EVG and Zehnder Clean Air Solutions has delivered measurable results in terms of air quality **and contributed to a culture of appreciation and commitment in the workplace.** This has provided an important contribution to job satisfaction and a healthy team spirit.



Conclusion on the cooperation

EVG Maschinenbau GmbH's decision in favour of Zehnder Clean Air Solutions has placed the company firmly at the forefront of the mechanical engineering industry in terms of air quality and working environment. The measurable improvements in air purification and the positive feedback from employees confirm **that the collaboration between EVG and Zehnder Clean Air Solutions is more than just a partnership; it is a shared commitment to excellence and continuous improvement.** EVG is setting new standards, not only for itself, but for the entire mechanical engineering industry.

Visible benefits and positive side effects

- Employee health and satisfaction – a noticeable improvement in air quality immediately led to an (even) better working environment and increased employee satisfaction.
- Production efficiency – the improved air quality practically leads to a smoother production process because the reduced particle volume means less cleaning work needs to be carried out.
- Protects the infrastructure – reducing dust deposits on machines and sensors in production halls contributes to the longevity of the systems.

Looking to the future: permanently clean air

The implementation of the air purification systems is just part of this success story. The ongoing maintenance and support from Zehnder Clean Air Solutions ensure that the devices can continuously deliver optimum performance. And adapt to changing production conditions! And the EVG team? They benefit from an all-round carefree package that includes regular inspections, filter changes and technical adjustments. This means that the company can sit back and relax and concentrate on its own core tasks.