



## Case study

# Flexibly customisable & quiet: An air purification solution that grows with you



### Customer

Jordi Schlosserei-  
Metallbau AG



### Location

Aarburg (CH)



### Sector

Metalworking &  
metal construction



### Dust reduction

Up to 65 %

## At a glance

“A healthy working environment is just as important to us as the quality of our work. Thanks to Zehnder Clean Air Solutions, we have been able to improve not just one of these things, but both.”

Daniel Jordi, Geschäftsführer

### Challenges

Jordi's journey to Zehnder Clean Air Solutions began with a tower ventilation unit from a market competitor that was no longer delivering the desired results. An upgrade from the relevant manufacturer would have been expensive. So expensive, in fact, that the company set out to find a suitable alternative. One that could cope with the fumes from the welding work and protect the employees, while also offering an attractive price model.

### About Jordi Schlosserei-Metallbau AG

Jordi Schlosserei-Metallbau AG has been forging the future of metal construction since 1995. In the heart of the greater Aargau region, the company combines the art of metalworking with the precision of modern metal construction, driven by the vision of not only designing but also transforming the space around us.

### Benefits

Jordi first became aware of Zehnder Clean Air Solutions through a trade magazine. Today, the company is happy about this coincidence. Since 2021, the metalworking company has enjoyed a reduction in dust and welding fumes of up to 65 %.

The improved air purification not only increases the wellbeing and productivity of the team, but also strengthens Jordi's image. Visitors, such as customers and architects, experience a clean, healthy working environment that underpins the company's commitment to quality and employee well-being.



### A constantly high order situation as a challenge for air quality

Jordi Schlosserei-Metallbau AG was faced with a double challenge. On the one hand, they wanted to improve the air quality in their workshop. On the other hand, they had been using a competitor's tower ventilation unit, which was not performing well enough and was unfortunately proving to be very loud and inefficient.

This made additional ventilation necessary, particularly during intensive welding work, which led to increased heating costs, especially in winter. But not only that: the quality of the weld seams was also jeopardised, as the draught could blow away the shielding gas. Jordi was always careful and double-checked the quality during these times, but, the situation needed improvement nonetheless.

In view of the increased production requirements and the need to improve air quality without interrupting operations, Jordi was looking for an alternative air purification solution in 2021. Fortunately, the company came across Zehnder Clean Air Solutions through a trade magazine. After an initial meeting to get to know each other and analyse the situation, Jordi quickly realised that working with Zehnder was a perfect fit for the family business' requirements.

### Flexible upgrade without major investment

Zehnder Clean Air Solutions initially took a close look at the large metalworking shop and apprentice workshop at Jordi. **The aim was to achieve maximum air purification with minimum effort.**

After initial measurements and calculations, Zehnder Clean Air Solutions initially installed a smaller, more cost-effective air purifier model. However, the volume of work (and therefore also the welding fumes) in the two production facilities was so high that the air purifiers could not fully keep up with the aggressive air particles. Thankfully, thanks to the uncomplicated installation, the existing air purifiers could be replaced with larger devices in just a few simple steps. And without interrupting or disrupting ongoing operations. Of course, the change was processed as part of the current service contract, which was simply updated.

A total of four air purifiers were installed in the Jordi halls: three larger models in the metalworking shop and a more compact device in the apprentice workshop. To date, these ensure that there is up to 65 % less fine dust in the air Jordi employees breathe. **This is not only good for the employees, whose health benefits from this, but also the**



**management.** Thanks to the new air purifiers, the hall doors can now remain closed, which means the draught stays outside.

## The advantages at a glance

The investment in air purification technology from Zehnder Clean Air Solutions has not only improved working conditions at Jordi, but has also raised awareness of the importance of a healthy working environment.

### In the long term, the company is now benefiting from

- a strong reduction in dust and welding fumes of up to 65 %.
- an increase in employee satisfaction and health, as they can enjoy an all-round clean workplace.
- reduced cleaning costs due to less dirt deposits in the hall and neighbouring offices.
- an enhanced reputation as an exemplary employer.
- a sustained positive image when customers and architects visit.

## The bottom line?

“The partnership with Zehnder Clean Air Solutions was a turning point for Jordi Schlosserei-Metallbau AG. **The flexible subscription model allows us to react quickly to increasing requirements without additional investment.** We have achieved a significant improvement in air purification and quality, which has led directly to a healthier working environment and increased employee satisfaction. These results only confirm our decision to invest in a sustainable future where wellbeing and efficiency go hand in hand,” says Daniel Jordi, Managing Director.