



**Client:**  
Carlmans Welding

**Location:**  
Sweden

**Date:**  
July 2014

**Sector:**  
Manufacturing &  
Industry

## LOCAL EXHAUST VENTILATION IN WELDING WORKSHOP SUPPORTED BY INDUSTRIAL AIR CLEANERS

**CARLMANS WELDING IS A COMPANY SPECIALIZING IN THE FORGING, SHEET METAL PROCESSING AND MANUFACTURING OF ATV TRAILERS.**

### ABOUT THE PROJECT

Camfil were approached by Carlmans Welding who were experiencing high levels of particles in the air making it difficult to breathe.

The client was experiencing problems with airborne particles and dust, particularly in the workshop areas. Although an existing exhaustion solution is in place at the welding stations within the premises, contamination of the local air was considerable.

The employees had complained that they were finding it difficult to breathe and many were experiencing irritation in the respiratory tract.

Camfil visited the site and carried out a particle count to ascertain the quality of the air within the welding

workshops. The client was interested in finding a general cleaner for the work environment and a solution that could help local exhaust ventilation (LEV) with the surrounding problems in the air.

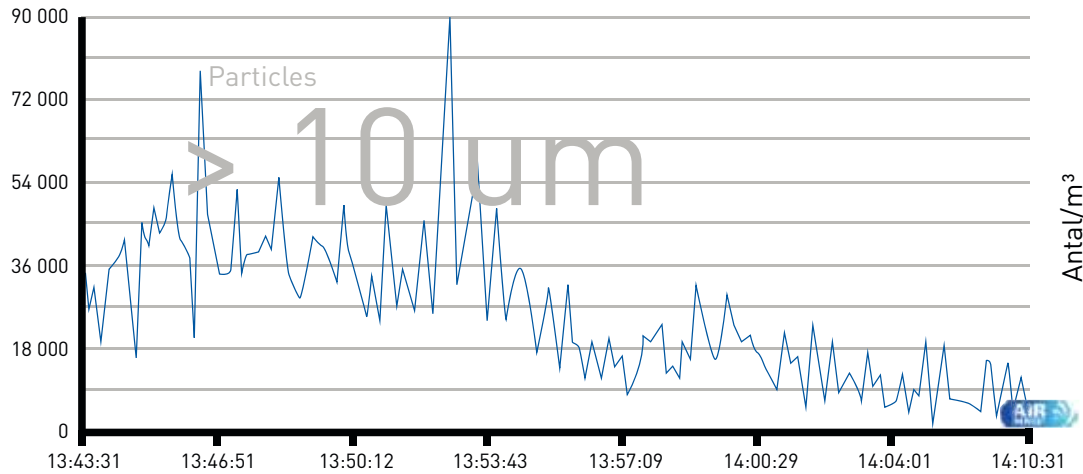
### SOLUTION

Based upon the space and layout of the premises, Camfil recommended that the client install 2 x CamCleaner 6000. These air cleaner units are specifically designed for larger, industrial spaces such as this. The CamCleaner 6000 units were supplied with F7 + E11 filters ( >98% efficiency) in the welding area.

### RESULTS

- Less Cleaning
- Cleaner product supplied to the customer
- High quality safety
- 70% less particulate matter in ambient air of 0.3 micron

# CAMFIL CASE STUDY



A peak in the graph shows when welding begins and how quickly CamCleaner remove these particles.

## CLIENT TESTIMONIAL

“The change in the air was almost immediately noticeable. We have been seriously impressed with the difference that the air cleaners have made, not only in the welding stations but to the office, dining room and changing rooms.”

## ABOUT THE CAMCLEANER RANGE

Camcleaner is a range of patented air cleaners with the most efficient HEPA filters on the market. They are designed to work as a supplement to existing ventilation systems and give reduced energy costs, more efficient production and a healthier work environment with less dust and fewer harmful particles.

## PRODUCTS USED:

**CamCleaner 300**  
(environments up to 100m<sup>2</sup>)

**CamCleaner 800**  
(hospitals, offices, homes, schools)

**CamCleaner 2000**  
(industrial premises)

✓ **CamCleaner 6000**  
(large industrial environments)

CAMCLEANER 800



CAMCLEANER 2000



CAMCLEANER 6000



To improve the indoor air quality within industrial work spaces, or to find out more about the CamCleaner range of products, email [uk.filtersales@camfil.com](mailto:uk.filtersales@camfil.com) or call 01706 238000