

## Application – Facility Management

Managing the facilities of larger buildings is growing more and more complex. Not only because there are more details to oversee, from telephone and internet connections to electricity, from plumbing to ventilation, but also because of the different needs of different areas in the building. Offices, workshops, laboratories, storage rooms, cafeterias, etc., all these might be found within the same building. Especially regarding the ventilation system the needs differ a lot. Offices will complain if the ventilation system carries outdoor odours or the kitchen odours from the cafeteria to their rooms, laboratories and special workshops in addition demand a disinfection of the supply air and filters can only help thus far.

SRI Radio Systems GmbH in Durach, Germany encountered this special need for air purification with the supply air for one of their production halls. As manufacturer of electronic compounds for mobile communication technology, it is crucial that the supply air does not carry contaminants which might alter or damage the compounds during the production process. As such a production hall has several air outlets for the supply air, the air purification has to happen in a centralized air duct. Given the size of such central air ducts, any further air purification safe the normal pre-filter should preferably be flexible regarding size as well as easy to handle and low regarding maintenance.

**SRI**

The Ionisation Technology by **bioclimatic** GmbH as employed in the AEROECO product line **aerotron** offers here the perfect solution. Independent in size thanks to four different lengths of ionisation tubes available and flexible regarding the mounting situation, aerotron units come with no notable pressure drop, low power consumption and maintenance intervals of only 12 months.

The two central air ducts of the production hall at SRI Radio Systems with 40,000 m<sup>3</sup>/h and 50,000 m<sup>3</sup>/h were equipped with six, respectively seven of **bioclimatic's** largest aerotron units, mounted on a support rack. By way of a regular maintenance door, the aerotrons are easily accessed and the easy handling allows the customer to do the regular maintenance himself.

