



SPECIALISTS IN ODOUR AND EMISSION CONTROL

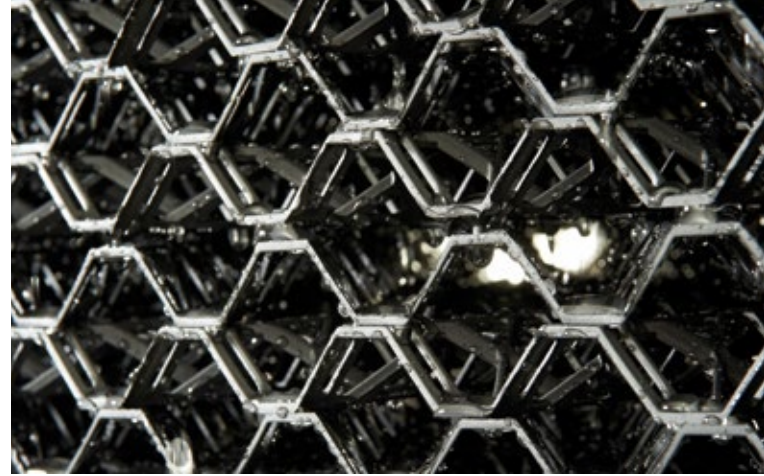
Odour nuisance is incredibly bothersome and presents a problem for both the originator and those living nearby. Released odours is often an unavoidable result of a production process. The government can impose requirements on companies with respect to the amount of odour that may be released. AEC Systems helps those companies to reduce odour emissions and to limit the odour nuisance for those living nearby.

Since 1994, AEC Systems has been offering turn-key solutions in industrial odour and emissions reduction. From advice and design to installation and maintenance, AEC Systems handles all the work worldwide under our own management. Our strength is the design, production, installation and servicing of odour-reducing systems. We can design and deliver a total solution, consisting of air ducts, exhaust ventilators, chimneys and storage tanks for chemicals. Our focus lies on industry, and we have grown into a very specialized company with a great deal of expertise.

Our systems are applied in the following sectors:

Waste management
Biodiesel
Biogas
Composting
Leather tanning
Animal rendering
Scent and flavour agents
Pharmaceutical industry
Laboratories
Feed production
Pet food
Waste water treatment plants
Slaughterhouses
Food processing industry

In these sectors, we offer the best solution for the emission of odours, ammonia, sulphuretted hydrogen and VOC substances.stof.



OUR APPROACH

Each sector has its own specific characteristics, whereby dust particles, heat, types of emissions and hygiene requirements must be taken into account. We have developed various systems to reduce odour and emissions of air flows. The choice of a system will be determined by the process, the structure of the odour components, the concentration and the number of permissible odour units at the location. In addition, we look at the specific limit conditions and environmental factors.

As needed, we can determine the exact composition and concentrations of the odour components with a test scrubber. We then design the most optimal installation, where our focus – next to emissions reduction – is also on energy use and ease of maintenance.

SERVICE AND MAINTENANCE

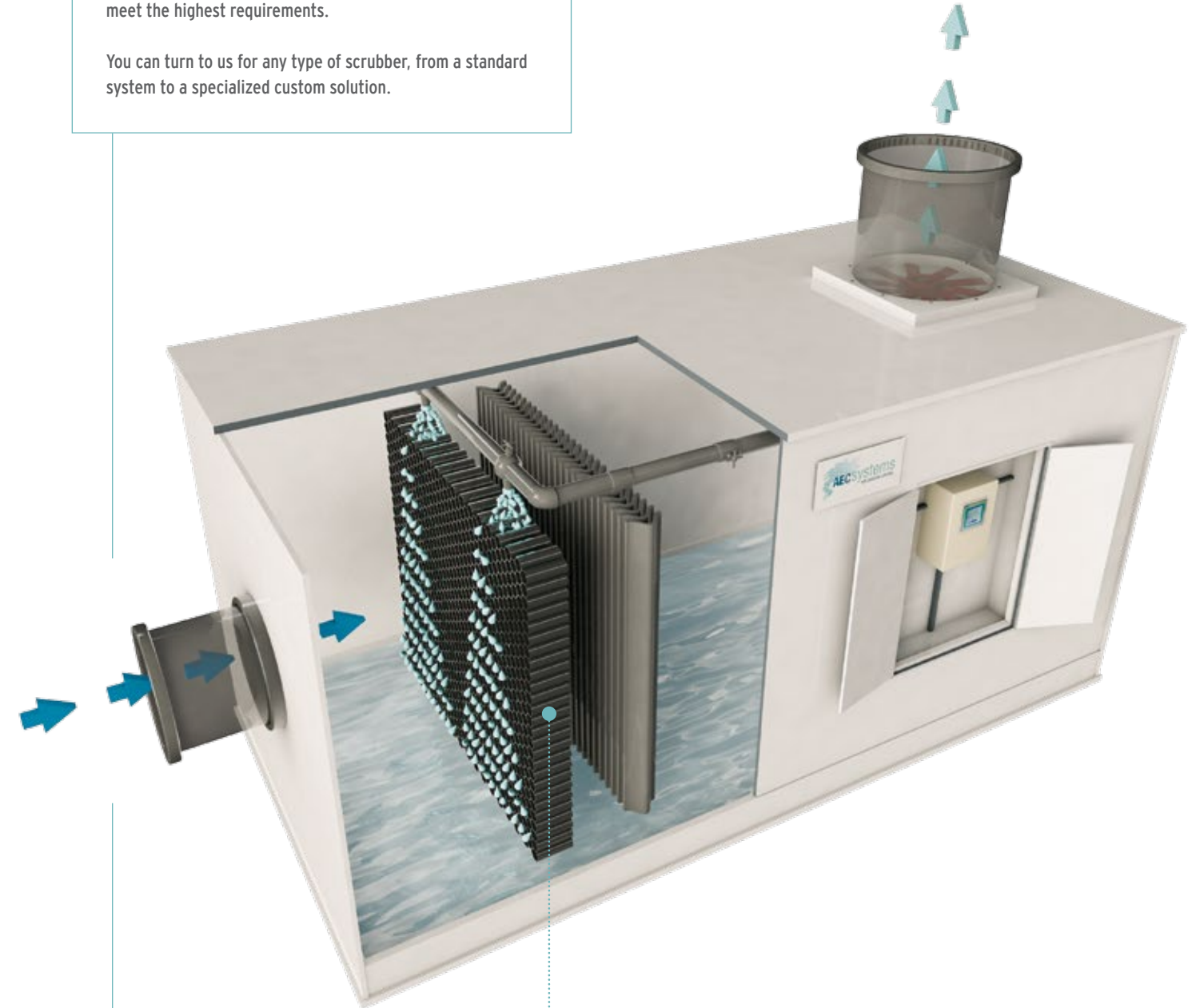
A good system is a system with the lowest possible energy use that you do not have to attend to. For that, regular maintenance is needed. We have our own service department and the expertise that you expect from a specialist. Possible problems will be discovered and resolved in advance. This gives you the confidence that your installation will continue to function optimally. In addition, you maintain control over the usage costs and energy consumption.

AIR SCRUBBERS

Odour is built up of a large number of different bonds, most of which dissolve well in water. An air scrubber makes use of water as a transfer medium. Depending on the emissions to be removed, such as ammonia and sulphuretted hydrogen, chemicals will be added. The odour-causing bonds dissolve in the water and will be filtered out of the air. Due to the use of chemicals, the chemical scrubber installations must meet the highest requirements.

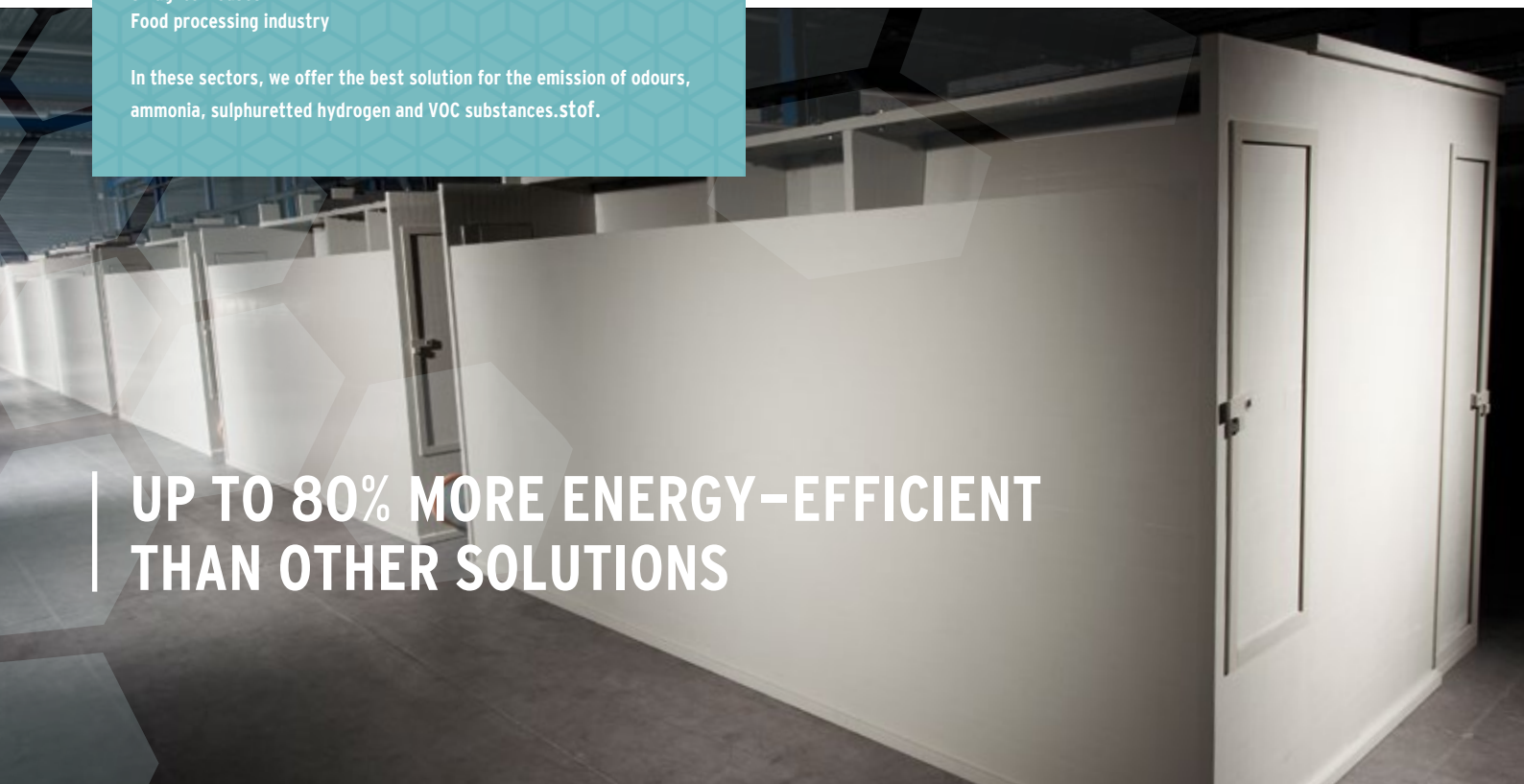
You can turn to us for any type of scrubber, from a standard system to a specialized custom solution.

The complete operation, including any sensors, frequency regulation, duct work and ventilators, are part of our scope of delivery. The scrubber can be expanded with a chimney and specialized ducting.



The most important elements in our scrubbers are the packed beds (packaging) with a large contact surface area and low resistance. Water will be sprayed over the packaging. This process water binds to, e.g., ammonia, odour and dust particles. Mist eliminators behind the packaging ensure that the process water remains in the scrubber. If the air stream contains dust, it is possible to design the first scrubber stage as a particle removal scrubber.

UP TO 80% MORE ENERGY-EFFICIENT
THAN OTHER SOLUTIONS





WHY YOU CHOOSE AEC SYSTEMS

- Extensive experience in odour and emissions reduction
- Turn-key solutions
- Low operating costs
- Use of sustainable materials
- Easy maintenance



Flight Forum 567
5657 DR EINDHOVEN
The Netherlands

T +31 (0)40 851 90 10
F +31 (0)40 410 01 15

info@aecsystems.nl
www.aecsystems.nl