



**Industrial air pollution control, emission treatment
Odour control**

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Industrial air pollution control - emission treatment - odour control

TASK Environmental engineering

Task Environmental Engineering is specialized in the realization of industrial air purification and odour control installations.

Task has been active for about 25 years in the field of odour control and air purification problems. Our many years of experience in the above mentioned domains is reflected in numerous successful references.

We design, build, deliver, install and maintain gas scrubbers for a wide range of applications and for various industries.

Task aims at durable, qualitative, low maintenance, energy efficient and efficient installations. The economical aspect is never lost sight of, the combination of a correct price/quality ratio and a long term vision (with durable, extendable and adaptable installations) offer the most economical and ecological solution.

Integrated solutions

Task disposes of a large experience in the field of design and installation of environmental equipment in industrial environments. The systems meet all the requirements and are fully adapted to the process and installations of the customers. This integral approach to the problem results in sound solutions. Our technology and know-how offer the customer a well-considered solution for the specific environmental-technical requirements of his company.

Custom made installations

Due to the variety of application areas for gas scrubbers and the specific requirements of each company, only custom-made installations can provide an appropriate solution. Factors such as chemical resistance, constructional properties, temperature and pressure are decisive in the choice of material. Specific process data and performance requirements make up the determining factors in design. The right combination of gasket, pumps, fans and instrumentation in function of pipe resistance, speed and pressure drop, together create a unique installation, perfectly matching the customer's demand. Years of experience in numerous sectors and a thorough knowledge of the available techniques are indispensable in order to deliver optimally functioning and permanently profitable systems. For us, customization is the standard, the delivered system is perfectly tailored to the needs of the customer.



Cross and counterflow scrubbers (H₂S-NH₃-HCl-SO₂, CH₂O-phenol-RHS-HNO₃ - Nox - EO...)

Chemical scrubbers to remove harmful components from industrial emission flows. Depending on the type of pollutant or combination of pollutants, a single counterflow scrubber, a crossflow scrubber or a combination of both in multi-stage configuration are used.



Tank scrubbers (storage tanks & laboratories)



HCl scrubbers



NH₃ stripping tower

Design, advice and selection of equipment

Defining the requirements for a gas scrubber or an odor control installation is not that simple. Indoor or outdoor installation, quality of feed and waste water, dosing of chemicals, safety and maintenance, establishing the operating principle; all this is a combination of factors and conditions within which a choice must be made. Expert and experienced guidance is indispensable in this context. All this needs to be framed within the Vlare/EU/local regulations and permit requirements. Task accompanies the customer throughout the entire process, from feasibility study up to and including the finished installation. Task can also rely on an extended network of national and international experts in the field of air and odor, whenever necessary.

Test installation

The treatment of an emission stream in a gas scrubber is a complex matter, sometimes not entirely predictable due to the interaction of numerous factors. In these cases it is preferable to perform tests on site. Task disposes of test installations for both gas scrubbing and biofiltration applications.

Conducting such pilot tests has several important advantages, this as well for the customer as for ourselves. Many questions are answered in advance, the tests give the customer but also ourselves the guarantee as to whether or not the desired results will be achieved.

Warranties, service and maintenance

Task guarantees quality and this is recognizable in the warranty conditions.

We aim at durable, maintenance friendly, correctly dimensioned and flawlessly functioning installations. A thorough training of the operating and maintenance staff on site should guarantee that the installation will run smoothly in the long run. If despite this there are problems, a quick intervention is always guaranteed.

Industrial air pollution control – Emission treatment – odour control our strengths :

- cross- and counterflow scrubbers (H_2S - NH_3 - HCl - SO_2 , CH_2O -phenol-RHS- HNO_3 – Nox – EO ...)
- NH_3 stripping towers-absorbers
- odour control (oxidative scrubbers)
- tank scrubbers (storage tanks and laboratories)
- biogas desulfurization
- biofilters – bioscrubbers – ozone
- tank covers (odour nuisance)
- internals (packing, droplet separators, demisters)
- maintenance-renovation-optimization
- testscrubber, testunits, measurement



Testunits - measurement



Odour control (oxidative scrubbers)

Cross- and/or counterflow scrubbers for the separation of odour components out of industrial emission flows

More than 25 years of experience in the field of odor and air !



Absorbers



Biofilters



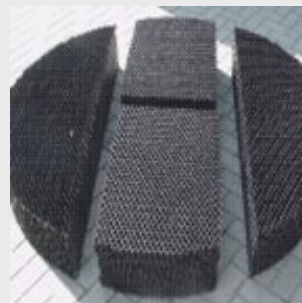
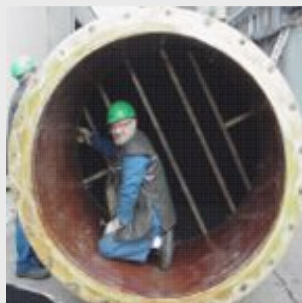
Tank covers

Self supporting odour control covers (reinforced membrane on metal frame) for storage tanks (odour containment) – also rotating covers



Biogas desulfurization

Gas scrubber units for the absorption of H_2S from biogas. Each unit consists of several gas scrubbers.



Maintenance-revision-optimization

Internals for gas scrubbers

Random or structured packing for gas scrubbers.