



Environmental Engineering

**Industrial emission- and watertreatment
Odour control**



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

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Environmental Engineering

Industrial air pollution control - emission treatment - odour control

TASK Environmental Engineering

TASK Environmental Engineering is specialized in the realization of industrial emission treatment, waste water treatment and odour control installations.

Since years now, Task has been active in the field of odour and air pollution control. This long-term experience has, over the years, been translated into numerous successful references.

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

Our goal is to build durable, high-quality, maintenance free, energy saving and performing installations. We never lose sight of the economical aspect of such an investment, as we are convinced that a correct price quality ratio in combination with a long-term view (with durable, expandable and adaptable installations) is always offering the most economic and most ecologic solution.

Integrated applications

Task has ample experience in the area of design and installation of environmental equipment at industrial sites. The systems offered entirely correspond to all specific requirements the customer might have and are adapted to all process prerequisites; we adapt our systems to the existing production plant. This integrated approach of the problem, the combination of our technology and know-how results in thorough solutions for the specific technical-environmental requirements of each company.

Custom-made installations

Due to the broad range of applications for gas scrubbers and the specific demands for each particular company, only custom-made installations can offer an adequate solution. Elements such as chemical resistance, constructive properties, temperature and pressure are determining factors when it comes to material choice. Specific process data and performance requirements are the determining considerations for the design. The correct combination of packing, pumps, ventilators and instrumentation, in function of pipe resistance, speed and pressure drop, create all together a unique installation, perfectly adapted to the customer's stipulations. Years of experience in numerous industries and a thorough knowledge of the existing techniques are indispensable to deliver optimal functioning, long-term performing systems. For us custom-made is the standard, the installation supplied made to perfect measures of our customer.



Cross- and counterflow scrubbers (H₂S-NH₃-HCl-SO₂-CH₂O-phenol-mercaptans-amines...)

Chemical scrubbers for the separation of nocif components out of industrial gas emission flows. According to the kind of pollutant or combination of pollutants, a simple counterflow scrubber, a crossflow scrubber or a combination of both in a multistage scrubber configuration are used.



Tank scrubbers (storage tanks & laboratories)



HCl scrubbers



NH₃ stripping tower

Design, consultancy and selection

Determine the prerequisites for a gas scrubber or an odour control unit is not that simple. Knowing whether the unit is going to be installed inside or outside, what quality of supply- and waste water will be available, which dosage of chemicals to use, security and maintenance data to keep in mind, how to edit the working principle; this is all a combination of factors and conditions to make a selection within. Competent and experienced support is indispensable in this context. This all also needs to be framed within the current Vlareem/regional or national licensing requirements. Task is guiding the customer through this whole procedure, from feasibility study up to turn-key installation. Whenever necessary, Task can found upon an entire (national and international) network of odour and gas pollution experts.



Test-unit – pilot plant

Treating gas emissions in a gas scrubber is a complex process; the combination of a variety of factors sometimes renders this process unpredictable. In those cases it is eligible to do some tests at site. Task disposes of a test-unit for gas scrubbing as well as for biofiltration applications. Executing such pilot tests has several important advantages, for the customer as well as for ourselves, as for a potential contractor. Many preliminary questions can be answered, the tests allow ourselves as well as the customer to get some guarantees on the achievement of the desired results.

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Testunits - measurement

Guarantee, service and maintenance

Task guarantees quality and this recognizable in the warranty definitions.

We aim to build durable, maintenance free, correctly dimensioned and faultlessly functioning installations. Moreover, a thorough training of the operating staff at site should guarantee a trouble free long-term functioning of the installation. If despite our efforts, problems occur, 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-mercaptans, amines...)
- NH_3 stripping towers-absorbers
- odour control (oxidative scrubbers)
- tank scrubbers (storage tanks and laboratories)
- biogasdesulfurization
- biofilters
- tank covers (odour nuisance)
- internals (packing, droplet separators, demisters)
- maintenance-renovation-optimization
- testscrubber, testunits, measurement



Odour control (oxidative scrubbers)

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

More than 20 years of experience !

TASK

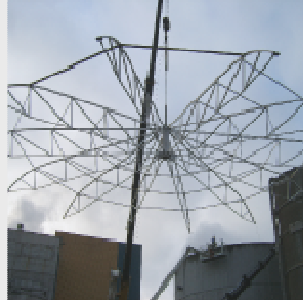
Industriële Milieutechnieken



Absorbers



Biofilters



Tank covers

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

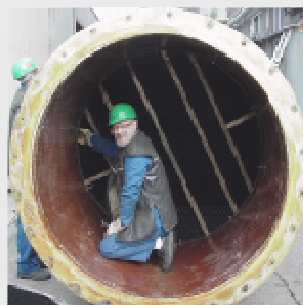


Biogasdesulfurization

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

Bulk or structured packing for gas scrubbers.



20 years of experience in industrial projects