

Selected reference list of recent projects

ODOUR CONTROL – emissions from waste water treatment plants & industrial processes



Kingdom of Saudi Arabia – 2x Sulphus 3500 - 7 to treat 54,000 m³/h of waste air with 50 ppm H₂S (average) at the WWTP of North Jeddah.

Ajman (UAE) – 8 Sulphus 3500-4 treating 15,000 m³/h with 2000 ppm H₂S at the Ajman WWTP.

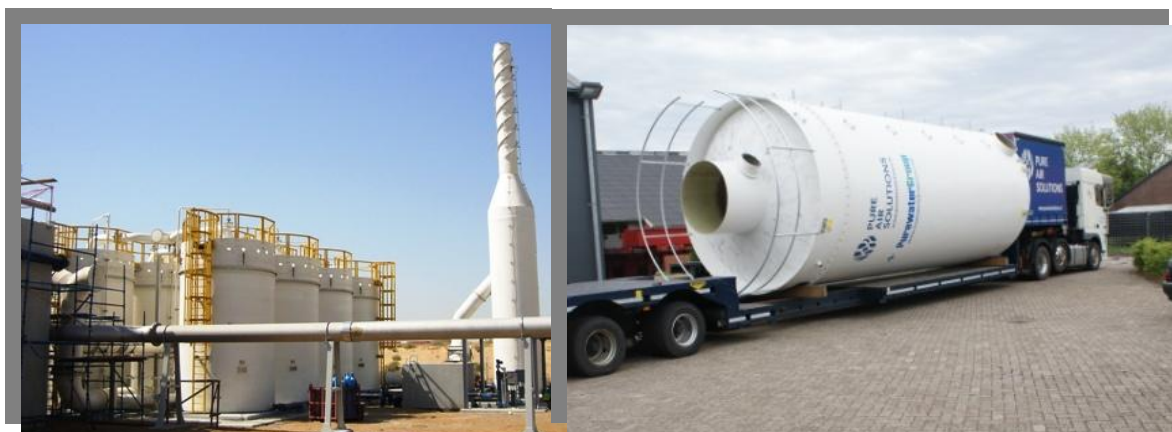
Iraq - 2x Sulphus 3500-6 for Al Sanaf Lifting Pumping Station & Inlet Pumping Station, complete with Control Container including control panel, fan, damper and accessories. 'Plug & play' ready for installation. Airflow each: 14,500m³/h

Iraq - 1x Sulphus 2200-2 for East Baquba Pumping station, fully assembled with control panel and fan & damper, 'plug & play' ready for installation. Airflow: 2,250m³/h

Iraq - 1x SulphActus 2200-3 for Baquba Main Town Pump Station, fully assembled with canopy, fan & damper, control panel, 'plug & play' ready for installation. Airflow: 3,400m³/h

Oman - 1x Actus RND for University of Buraimi. Activated Carbon adsorber, fully assembled with fan and fan control box on top and 'plug & play' ready for installation & start-up. Airflow: 500m³/h

Oman - 1x Sulphus 1200-1 for Halban Equalization Tank, completely assembled with control panel and fan, 'plug & play' ready for installation. Airflow: 300 m³/h.





China - Refurbishment and upgrade of a biofilter treating 160,000 m³/h->60°C odorous air of a Nutreco Shiha Zuhai Fish Feed factory.

Spain - 2x Sulphus 3500-6 to treat 18,000 m³/h of waste air coming from the thickener of the WWTP at the papermill company ENCE.

Spain - 2x Sulphus 3000-4 to treat 10,000 m³/h of waste air coming from the sludge treatment and sludge storage building of the WWTP.

Spain - Chemical scrubber for odour control in the workshop for Nestle Purina. Approx. 70,000 m³/h capacity.

United Kingdom - 1x Sulphus 4000-6 to treat 23,612 m³/h of waste air coming from Sewage Treatment Works of Blackburn Meadows.

United Kingdom - 3x Sulphus 2500-3 to treat 4,724 m³/h of waste air coming from Sewage Treatment Works of Carlisle.

United Kingdom - 1x Sulphus 2800-2 to treat 1,485 m³/h of waste air coming from Sewage Treatment Works of Crawley.

United Kingdom - 1x Sulphus 3000-6 to treat 11.233 m³/h of waste air coming from Industrial waste water treatment plant.

United Kingdom - 2x dual stage Orgus Biofilter System and quencher at an AD Plant treating an odour air flow rate of 24,686 m³/h coming from food and organic waste from the retail and catering sector.

United Kingdom - 6x dual stage Orgus Biofilter System at a Westcott Waste Management facility located on the Westcott Venture Park. This system treats an air flow rate of 60,000 m³/h coming from food and organic waste from the retail and catering sector.

United Kingdom - 6x Dual Stage ORGUS Biofilter System at vegetable oil refinery of ADM. 65,000 m³/h is preconditioned and purified.

United Kingdom - Biofilter at fish feed production plant of Skretting (Nutreco). 135,000 m³/h is preconditioned and purified. The turn-key project included computerised automation and the complete exhaust system.

The UK – Biofiltration at a waste handling plant (Fairport Engineering) located in Huyton (close to Liverpool), including cooling by a Heat exchanger and cooling towers. Treatment of 30,000 m³/h odorous air on 110m².

The Netherlands - 1x Sulphus 2200-2 and 1x Sulphus 3500-2. Desulphurisation of biogas for Flotech Biogas upgrade Systems

The Netherlands –Sulphus HS2300 RWZI treating 900 m³/h with 1 ppm H₂S at WWTP Harnaschpolder.

The Netherlands - Sulphus SS2200 treating 900 m³/h with 25 ppm H₂S at pompstation Geert Huizinga Groningen

The Netherlands - Sulphus SS3500 treating 1,500 m³/h with 400 ppm H₂S at Trobas Gelatine.

The Netherlands– Biofilter at vegetable oil refinery of ADM. 166,000 m³/h is preconditioned and purified. The turn-key project included computerised automation.

The Netherlands- Smilde - Biofilter at a rendering factory. A total of 60,000m³/h is being preconditioned and purified.

The Netherlands- PB Gelatines/ Tessenderlo - Biofilter at a rendering factory. A total of 20,000m³/h is being preconditioned and purified.

The Netherlands- Bosland - Biofilter at a rendering factory. A total of 30,000m³/h is being preconditioned and purified.

Italy - Odour abatement by chemical scrubbing at pet food factory of Nestle. Approx. 70,000 m³/h can be handled by the system. The turn-key project included automation to operate with varying air flows



VOCUS – bio trickling filter for solvent emissions

The Netherlands – Vocus (trickling) system at Videojet Technologies. Biological treatment of high concentrations of methyl ethyl ketone, and other VOC's in 3 towers. 18.000 m³/h with 28 ton VOC/year.

The Netherlands – Vocus (trickling) system at Papierindustrie Maasmond, a flexographic printing company. Biological treatment of high concentrations of ethanol, ethyl acetate and other VOC's in 1 tower. 15000 m³/h with 40 ton VOC/year.



The Netherlands – Vocus (trickling) system at Altacel Transparant, a flexographic printing company. Biological treatment of high concentrations of ethanol, ethyl **acetate** and other VOC's in 3 towers. 9.500 m³/h with 100 ton VOC/year

The Netherlands – Vocus (trickling) pilot plant at Straalbedrijf Boxel, a metal coating company. Biological treatment of high concentrations of xylene, toluene and other VOC's in pilot plant. 100.000 m³/h with 80 ton VOC/year.

Germany: Vocus (trickling) System at Trewe Folienruck GmbH, a flexographic printing company. Biological treatment of high concentrations of ethanol, ethyl acetate and other VOC's in 2 towers. 15.000 m³/h with 40 ton VOC/year.

Belgium – Vocus (trickling) system at Cirepa, a flexographic printing company. Biological treatment of high concentrations of ethanol, ethyl acetate and other VOC's. 12.000 m³/h with 50 ton VOC/year

Belgium – Vocus (trickling) system at Gallopin, a flexographic printing company. Biological treatment of high concentrations of ethanol, ethyl acetate and other VOC's. 12.000 m³/h with 50 ton VOC/year

Belgium- Pilot bio filter system to study removal of pentane. Airflow: 500m³/h up to 2000m³/h.



Rumania – Vocus (trickling) system at Multipack, a flexographic printing company. Biological treatment of high concentrations of ethanol, ethyl acetate and other VOC's in 1 tower. 6000 m³/h with 50 ton VOC/year

Spain – Vocus (trickling) system at Gamadecor (Porcelanosa group), a kitchen and bathroom furniture company. Biological treatment of high concentrations of butyl acetate, toluene and other VOC's. 40.000 m³/h with 100 ton VOC/year

Spain – Vocus (trickling) at Ficosa, a car mirror producer. Biological treatment of high concentrations of butyl acetate, toluene ethyl acetate and other VOC's in pilot plant. 30.000 m³/h with 100 ton VOC/year.