

Odour Control Solutions in the Middle East

Technology
for a
sustainable future

ERG is now supplying its extensive range of Odour Control Solutions to the Waste Water Treatment Industry in the Middle East.

All our systems come with a performance guarantee backed by more than 30 years of experience successfully treating municipal odours around the world.

ERG offers a competitively priced range of systems for treatment of sewage odours from:

- pumping and lift stations
- inlet works
- sludge tanks and sludge treatment areas
- complete sewage treatment works

ERG's Odour Control Systems include one or more of the following:

- **chemical scrubbers**
to treat H₂S, mercaptans, ammonia and odour – reliable and flexible operation for varying flowrates and odour loadings
- **water regenerable activated carbon filters**
cost effective and environmentally friendly treatment of H₂S, polishing to low emission concentrations, with the bed life extended up to 6 times by a simple water wash
- **caustic impregnated carbon filters**
low capital cost system for treatment of small flowrates and intermittent loads, the cheapest and simplest option in the range

ERG also offers a range of air pollution control and odour control systems for industrial applications.

Contact our Middle East office for further details:

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Case study #1

Odour Control for a Pumping station in UAE

Two-stage odour control comprising pre-filter and water regenerable carbon filter.

Design air flowrate up to 2,700m³/hr

Measured H₂S removal performance:

- 140ppm inlet, <0.1ppm outlet,
- >99.9% removal efficiency

Successfully operating since early 2009



Case study #2

Odour Control for a Packaged STP in UAE

Chemical scrubber (caustic-bleach scrubber) followed by caustic carbon polish filter

Design air flowrate 1,700m³/hr

Measured H₂S removal performance:

- no detectable odour at system outlet

Successfully operating since late 2009



Case study #3

Odour Control for a Packaged STP in UAE

Water regenerable carbon filter system (duty/standby filters)

Design air flowrate: 4,000m³/hr

Design inlet H₂S loading: up to 100ppm

Design removal efficiency: 99.5%

Scheduled commissioning spring 2010



Case study #4

Emergency Chlorine Scrubber for WTP in Sudan

Batch caustic scrubber and emergency extraction system

Design air flowrate: 5,400m³/hr

Design chlorine loading: 1,000kg release

Design inlet chlorine concentration: 2,000 mg/Nm³

Design discharge chlorine concentration: < 10 mg/Nm³

Design removal efficiency: 99.5%

Scheduled commissioning spring 2010



ERG

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