

BIORID®

With **AVAILABLE** and **COST-EFFECTIVE**

ODOUR CONTROL SYSTEMS

this **Negative Image** of **ODOUR (Foul Smell)** can easily be **RECTIFIED**

Nature of Typical Wastewater Odours

ODOURS are generated during the conveyance and treatment of wastewater due to the degradation of organic matter by micro-organism under anaerobic conditions.

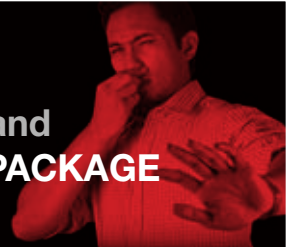
The range of odorous constituents in such biogenic **odours** is very wide and they include:

hydrogen sulphide, ammonia, thiols and other organic sulphur compounds, mercaptans, amines, indole and skatole, volatile fatty acids and a wide range of organic compounds produced by anaerobic fermentation.



EXCELAIR

ODOUR CONTROL SYSTEMS for **IDENTIFIED ODOUR SOURCES/ PROCESSES** require **CONTAINMENT (COVER with LOCAL EXHAUST)** and **TREATMENT** and must be designed and installed as an **INTEGRATED PACKAGE**



COVER

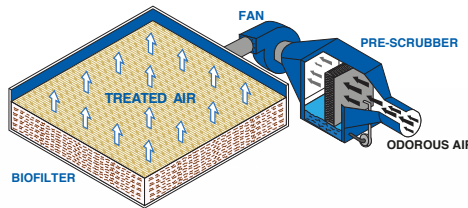


LOCAL EXHAUST



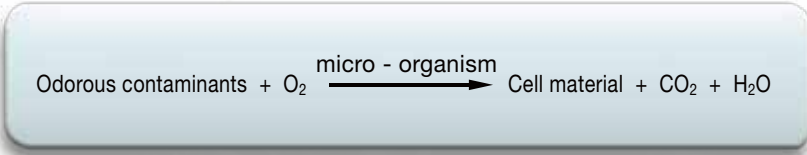
TREAT ODOUR PROBLEMS for **ODOUR ONLY AFTER REMOVAL** of **IDENTIFIED HAZARDOUS CHEMICALS**

Performance of odour control systems are determined by odour removal efficiency in odour concentration units (ou/cu.m) and measured according to MS1963:2007 (BS EN13725:2003)



In our **BIORID** Pre-Scrubber section, hazardous chemicals and solid contaminants are removed from the odorous gases.

The gases, which are now pre-cleaned, humidified and cooled but still odorous, are then passed on to the **BIORID** Biofilter where the biological processes will reduce the odour concentration units down to an acceptable final emission level.



This biological odour treatment is characterised by the ability of the selected micro-organism to transfer unwanted contaminants into harmless end products.

Odour Removal Efficiency of BIORID Odour Treatment Plant
 Ninety percent (90%) Odour Removal Efficiency for Inlet odour loads of 10,000 OU/cu.m or more **or** Less than 1,000 OU/cu.m at Outlet Discharge for Inlet odour loads of less than 10,000 OU/cu.m.

TREATMENT



For enquires contact us at:

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YOUR PARTNER IN AIR POLLUTION CONTROL