

CO₂

SO_x

NO_x

SPM

Stop Environmental Degradation !

DieSel
scrubber[®]

Man-made pollution leads to
contaminated soil, air, water, environment
etc., and Global warming will soon sink
the planet earth !



Do you know the adverse results of environmental Degradation?

Mumbai & Delhi are the most polluted cities in the world thanks to the flexible and decontrolled statutory pollution norms.

The Diesel Generator installed in your premises plays a significant role in contaminating the atmosphere !

Combustion products of diesel are predominantly CO₂, NO_x, SO_x, SPM etc.

The increasing level of CO₂ tends to warm up atmosphere associated with rising levels of sea, adverse climatic conditions alien to living biota, disruption of natural eco system.

NO_x & SO_x emission causes acid rains and it leads to irreparable damages to terrestrial ecosystem, human health, uncontrolled acidification of all kinds of water of marine & other natures, reduced visibility owing to smog, disastrous destiny of all living organisms etc., SPM (suspended particulate matter) is proved to be harmful to human respiratory organs which results in bronchitis, asthma, black lung disease etc., also SPM accelerates corrosion of metals, damage to soil, buildings, monuments, etc., it reduces visibility and worsens darkness even during day time.

Now, a system to clean up the flue gas emanated from Diesel Gensets !

DieSel Scrubber™

Flue Gas Decontamination Scrubber (FGDC Scrubber)

It washes, dissolves, absorbs and dilutes the effluents in the flue gas. A fully automatic equipment physically connected to the exhaust stack of DG Set. An automatic operating system supervises the operation of water jet injection. The absorption bed is constructed with elements of catalysts and the most significant Decontamination process takes place here. The Dissolution products of H₂SO₄ & HNO₃ (Sulfuric Acid and Nitric Acid) settles in the water reservoir placed at the bottom of the FGDC Scrubber.



320 KVA automatic DG set with FGDC Scrubber installed at Hutchison Max, Mumbai

This is vertically constructed free standing floor mounting stack of shells of various reaction zones. The standard MOC is non-corrosive. Optional MOC of partial

SS and epoxy coated MS are available on request. The self contained design and construction ensure easy installation of the FGDC Scrubber.

Our land mark installations are at STAR TV, Max Touch, BPL Mobile, HSBC etc.

If you wish to install a similar kind of FLUE GAS DECONTAMINATION SYSTEM for your DG Set, please do contact us.

FGDC Scrubbers are designed to suit Diesel Engines of leading Mfrs. Viz. Cummins, Caterpillar, Kirloskar, Greaves, Leyland, Volvo Penta, Wartsila, Black Stone etc., successfully designed & tested upto 5000 KVA DG Sets.

Sound pollution control equipment for DG Sets like acoustic Enclosure, Acoustic Hood, Containerised Acoustic Canopies, etc. are also supplied.

Suitably designed for 125-5000 KVA DG Sets
Turn key contracts also undertaken.

Installation of
DieSel Scrubber™
reduces air pollution by more than 85% !
Tested and proven for best results !

FGDC Scrubbers installed at HSBC, Mumbai (2 x 200 / 225 KVA DG sets).



Manufactured & Marketed by :



ALTENERGY TECHNOLOGIES PVT. LTD.

S 1/40, Vedant Commercial Complex, Pokhran Road # 1, Vartak Nagar, Thane 400606, Maharashtra, India,
TEL: 022-2588 6403 / 09321882840
EMAIL: altenergytech@yahoo.in / mktg.altenergy@yahoo.in

Altenergy
Technologies