



mist-air[®]

leaders in dust suppression technology 

world leaders in
dust & odour
suppression systems

**YOUR ONE-STOP SOLUTION FOR
DUST, DIRT & ODOUR**



www.mist-air.co.uk



Who is **mist-air**® Dust Suppression?

We are a British family-run company established in 1974.

We design, manufacture, install and maintain all the systems we supply.

No sub-contractors are used in our projects.

What does the **mist-air**® system do?

The **mist-air**® system eradicates all airborne dust and odour immediately, without creating any wetting to floors, stock, machinery or personnel.

What types of dust and odour does the **mist-air**® system suppress?

<i>Bauxite</i>	<i>Plastic</i>	<i>Glass</i>	<i>Sand</i>
<i>Silica</i>	<i>Cement</i>	<i>Brick</i>	<i>Asbestos</i>
<i>Wood</i>	<i>Ash</i>	<i>Paper</i>	<i>Composting</i>
<i>Food</i>	<i>Waste</i>	<i>Effluent Treatment</i>	

The **mist-air**® system also suppresses *Hydrophobic Dust* by adding the **mist-air** surfactant-based wetting agent to the fog.

Typical **mist-air**® Sites

- Quarries
- EFW (Energy from Waste)
- WTS (Waste Transfer Station)
- IVC Maturation
- Power Stations
- Particle Board Factories
- Brick Works
- Paper & Board Manufacture
- Storage Facilities
- Building Colleges
- Cement Manufacturing
- Tarmac Handling
- Mining
- Tunnelling
- Glass Manufacture
- Foundries

DUST MONITORING

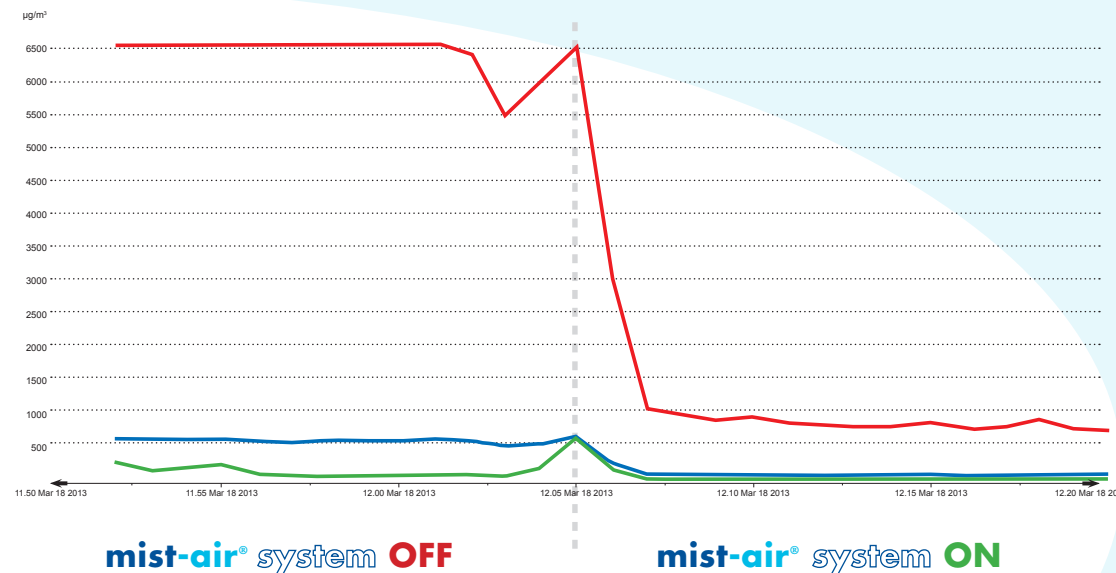
RESULTS

KEY:

- PM10: DM11649/U3000047
- PM2.5: DM11649/U3000047
- PM1: DM11649/U3000047

Date: 18/03/2013 11:50-12:20

Dust Types: PM10, PM2.5 & PM1



NOTES:

This is a graph of dust levels in a Materials Recycling Facility.

The Dust Monitor was left to run continually for 30 minutes.

00-15 minutes:
The **mist-air**® system was switched OFF

16-30 minutes:
The **mist-air**® system was switched ON



BWSC 



Aylesford Newsprint

Reasons why **mist-air®** is superior to other systems . . .

mist-air®...is a DRY dust suppression system unlike the majority of dust control systems on the market.

mist-air®...kills dust as it tries to become airborne so that it cannot be breathed by operatives.

mist-air®...prevents the migration of dust from one area to another by killing it at source. *(unlike LEV systems which drag air across a building to the vents, ensuring that the dust can always be ingested).*

mist-air®...can be retro fitted to any size or shape of building.

mist-air®...ensures zero wetting to floors, machinery or personnel.

mist-air®...ensures no moisture is added to materials or products i.e. paper, biomass etc.



Reasons why **mist-air®** offers cost advantages over other methods of dust control. . .

mist-air® ...offers low initial purchase and installation costs.

mist-air® ...has low running costs. (*A fraction of cost of running LEV extraction systems*)

mist-air® ...offers low maintenance costs without the expense and time involved emptying and cleaning filters.

mist-air® ...should not be confused with Fog Cannons, Rotary Atomisers, or Compressed Air systems.

mist-air® ...helps to prevent flash explosions caused by igniting airbourne dust.

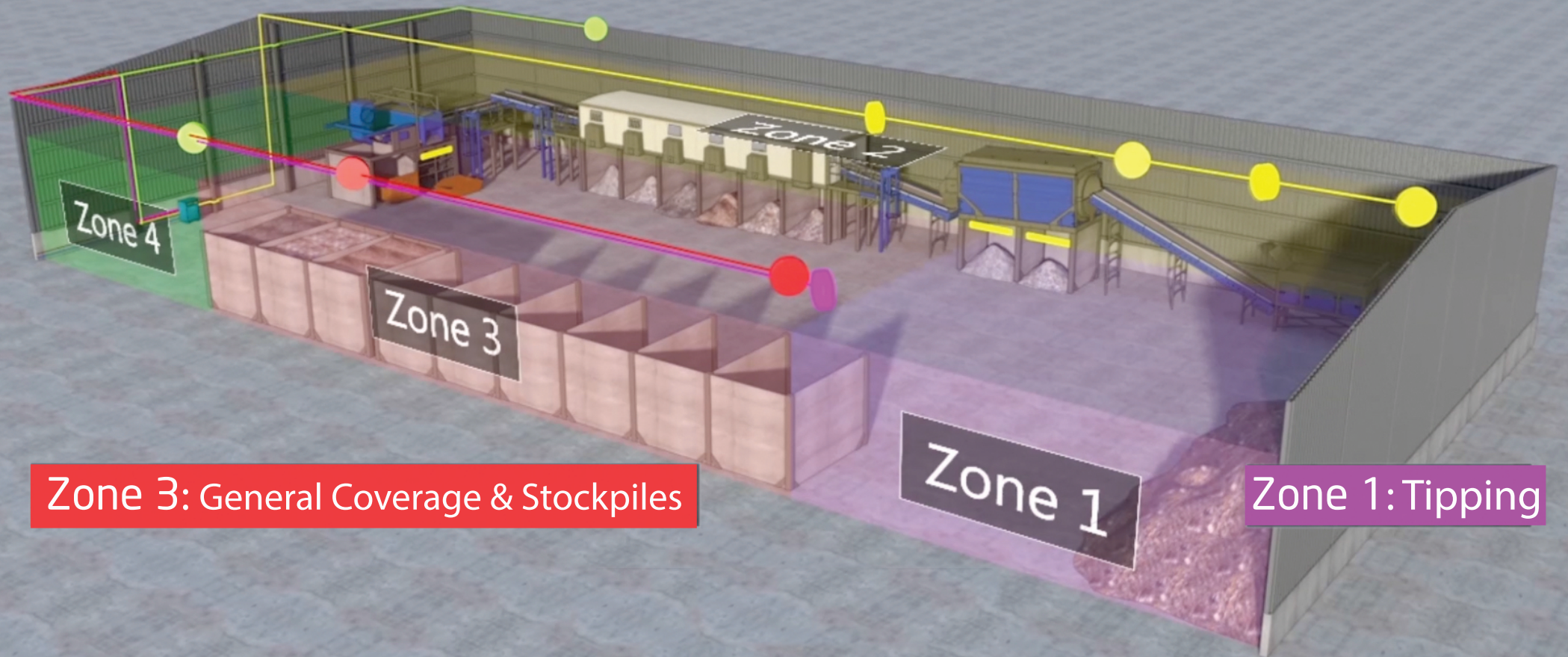
mist-air® ...all wetted components are manufactured from stainless steel or non-ferrous materials which is why we can provide a 20 year corrosion warranty.

mist-air® ...does not require a water tank or compressor.



Zone 4: Bulker Loading

Zone 2: Processing-Hopper Trommel & Air Knife



Zone 3: General Coverage & Stockpiles

Zone 1: Tipping

mist-air® is a flexible dust and odour suppression system, which can be adapted to suit all sizes of buildings or operations. It is easily fitted to any site and can be retro-fitted to existing operating sites, ensuring a dust and odour free environment.

mist-air® is adaptable to any size or shape of building, and will control dust from every operation, including: tipping, hopper loading, shredding, trommels, eddy current and loading bulkers.



**YOU DON'T HAVE TO WORK
IN A DUSTY, ODOROUS SITE**

**IT DOESN'T HAVE TO BE
LIKE THIS!**



mist-air®

IT COULD BE LIKE THIS...

Guaranteed Performance

We guarantee that dust and odours are immediately suppressed.

We have over 5000 customers worldwide to verify our claims.

Here is just one... **McKinstry Skip Hire**

We commissioned **mist-air** for our biomass processing site in Newry back in 2019.

Dust levels were high due to the process.

After an onsite meeting with Andrew, he suggested installation in certain key areas for maximum impact.

The **mist-air** installation team arrived and worked like clockwork creating a system which not only reduced the overall dust levels; and more or less eliminated dust complaints from neighbours; but more importantly delivered overall health benefits for the staff.

Our staff have embraced the system and now would not work in the shed without it. They see that the mist-air system is there to keep them safe. A safe happy worker is what we all want!

The moisture levels are so low from the **mist-air** system we have not noticed an increase in the final product.

Following the success of the biomass installation, we contacted Andrew at **mist-air** to come out to our main site where we process Biomass and also an MRF facility

where again the dust was our problem. After an investigatory meeting and walk around a plan was created. The date was set for our largest installation yet.

The team of four engineers arrived promptly on site at the agreed time, ready to work and following the RAMS to a tee. We found the team to be knowledgeable, insightful and beneficial to the best running of the system, their knowledge of the system was a fantastic help. The installation was planned for 2 weeks, these men had it working within 10 days! Working around our site and schedules to minimize downtime and making the most of the time they got in certain areas.

We would highly recommend the mist-air system to anyone with a dust issue from wood, MRF or processing.

- This system works!
- The after-care service is fantastic...
- The overall customer service is fantastic...
- The positive attitude radiates through and shows...

Michael McLaughlin
Health & Safety Manager
McKinstry Skip Hire
July 2021

GENERAL WASTE



FEEDSTUFFS



BRICK & TILE MANUFACTURERS



MINING - QUARRIES - TUNELLING



GLASS



GYPSUM



PAPER



WOOD RECYCLING - BIOMASS



POWER GENERATION COMPANIES



METAL RECYCLING FOUNDRIES



CIVIL ENGINEERING PROJECTS



EDUCATIONAL BUILDING COLLEGES

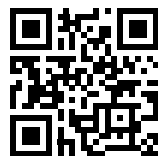
Silica Control



mist-air®
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Scan the
QR Code
to view
our Video



Over the years our teams of **mist-air®** Engineers have installed systems worldwide in almost every environment, so they have the experience and skills to design and install the perfect system for you.

So how do you get started...?

It's simple, you can just ring us for preliminary advice, or send us a sketch or PDF drawings, with approximate dimensions and any available pictures.

We will initially give you a budget cost and follow up with a site visit if desired.

To contact us you can ring on the UK number or visit our website AND take a look at our digital movie using the QR code above.

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