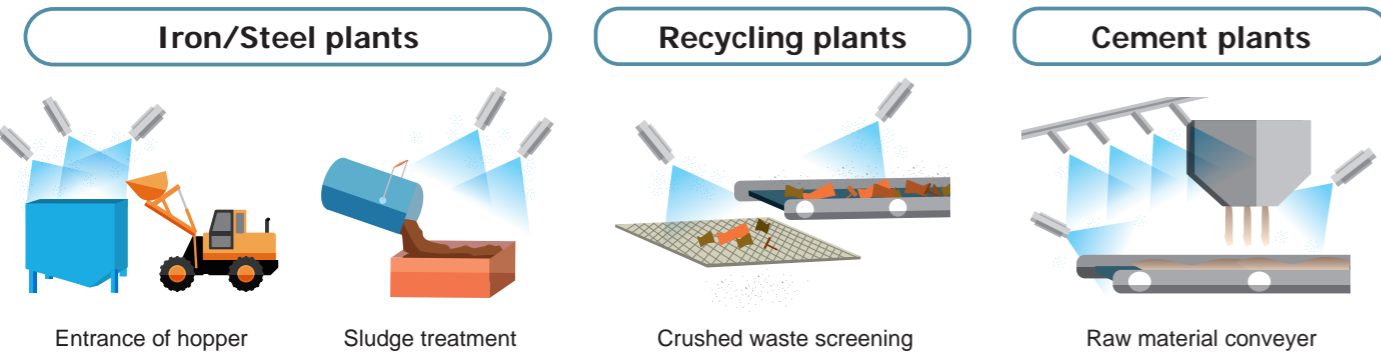
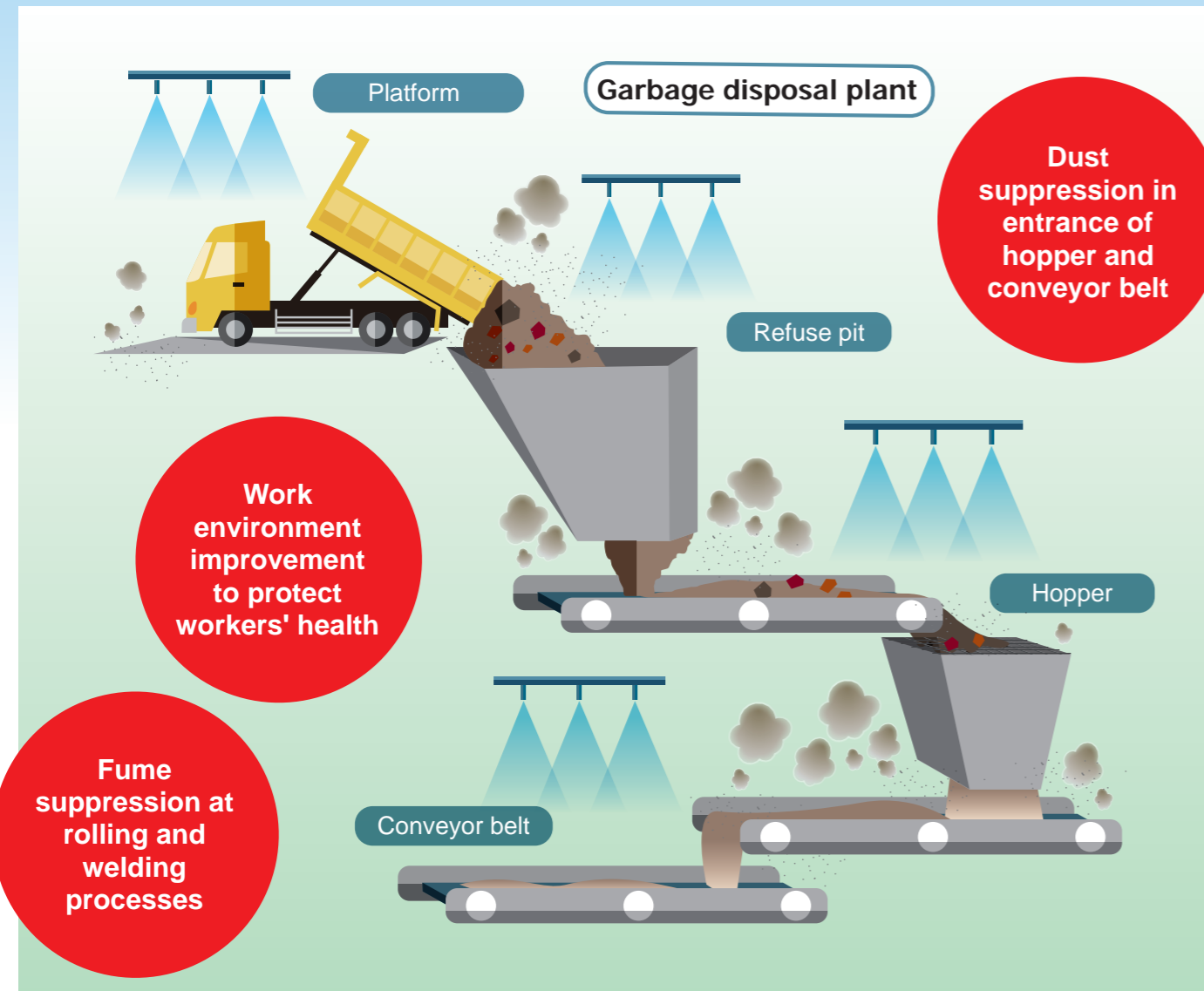


# Being used in a wide array of customer worksites



Specifications and contents of this leaflet are subject to change without prior notice for purpose of product improvement.

Please feel free to send any inquiry, request for information or quote on this product to the contacts below.

“The Fog Engineers”  
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 Please see our website for the nearest contact.

<https://www.ikeuchi.eu/about-us/ikeuchi-group/>

DSC\_191030E(IEU)

“The Fog Engineers”  
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# Dust suppression system using fog



Dust concentration  
**=1.63mg/m<sup>3</sup>**

Dust concentration  
**=0.15mg/m<sup>3</sup>**

Dust concentration **90%\* Cut**



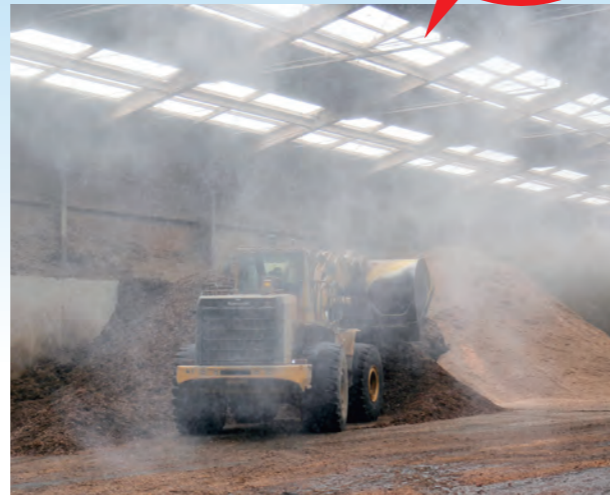
\*Dust reduction rate varies depending on the circumstances of worksite.



# Consult with IKEUCHI for Dust Control

Fine fog spray reduces dust emissions and suppresses dust

- IKEUCHI is the leading spray-nozzle manufacturer in Japan.
- We design a dust suppression fog system best-tailored to suit the needs of each worksite, through in-depth discussions with customers and assessment of the worksite.
- Control panel and sensors or other control options are available for automated spray control, that allows effective dust suppression and water savings.



# Broad Product Lineup to Help Improve Work Environment

We propose dust control system best suited for each worksite

## Header Type

Uses stainless steel piping that is weather- and corrosion-resistant for a long term use.

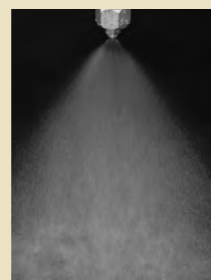


Spray headers installed at entrance prevent the release of airborne dust. Sensor control can be included.

Use optimal nozzles for each site

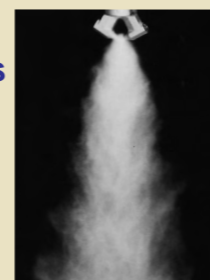
### Energy-saving Hydraulic Nozzles

Low-cost, fine spray nozzles used in a wide range of site.



### Ultrafine-spray Pneumatic Nozzles

Ultrafine atomization keeps down extremely fine dust particles.



Conventional dust control

IKEUCHI's dust control solution

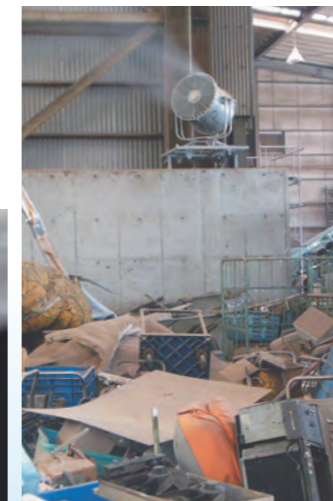
Water sprinkling has little effect on airborne dust

Dust collectors unfit for use in a large space

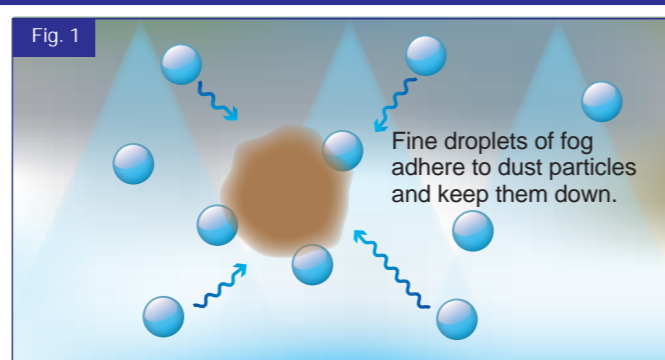
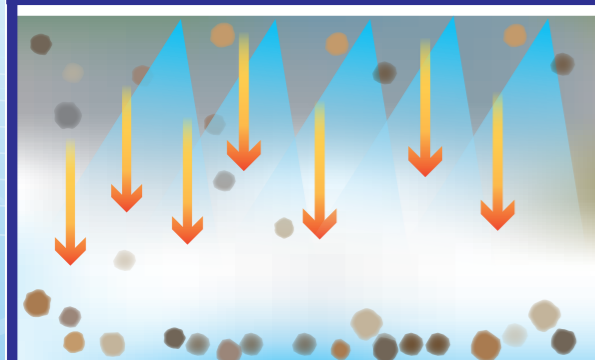
- IKEUCHI's fine fog spray system
- effectively and economically suppresses dust in a large space
  - doesn't get the worksite soaked
  - yields a cooling effect

## Fan Type

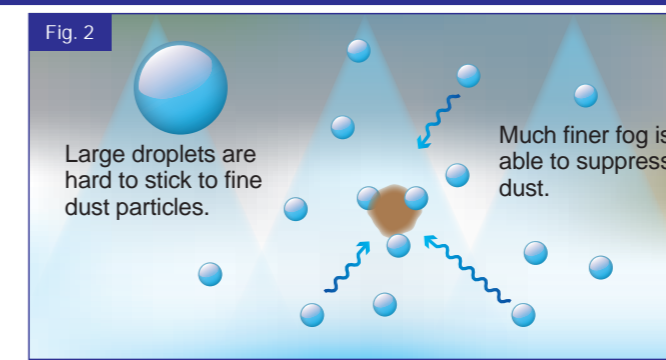
Factory fans with spray nozzles mounted are being used for dust suppression in large spaces.



## Dust suppression mechanism



Fine fog adheres to dust particles suspended in the air. The dust particles collided with the fog droplets rapidly settle out due to their increased size.



Extremely fine dust, so small that usual fog would not stick to, can be kept down by our pneumatic spray nozzles which produce finer fog.