

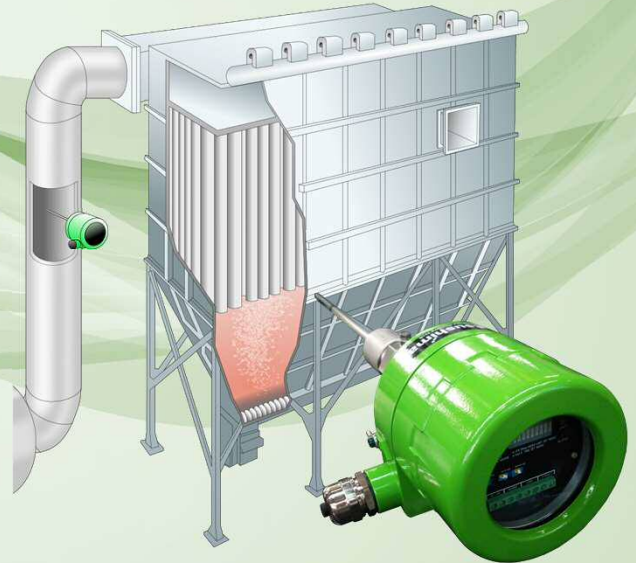
# For Casting facility

## Proposal of Matsushima products



Applicable for all environments!  
**Radar Level Transmitter**

- For cast sand storage tanks and sand bins -

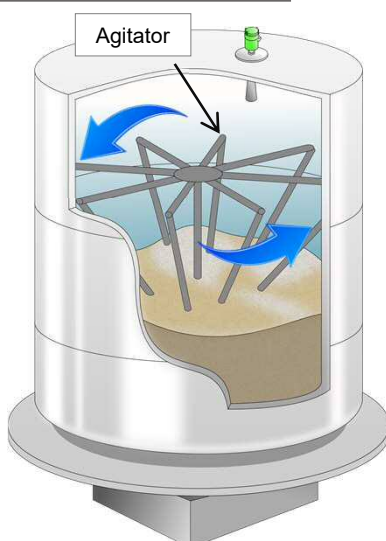


Early detection of filter breakage!  
**Dust Monitor**

- For various dust collectors -

### Radar Level Transmitter

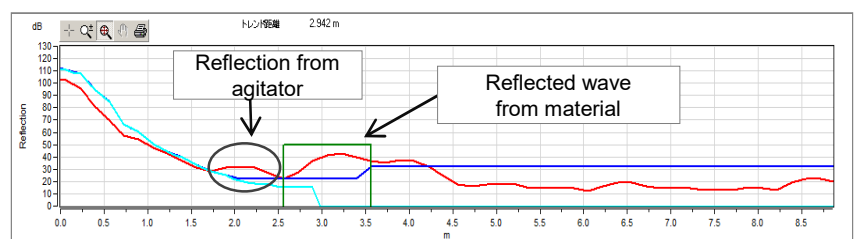
#### Sand bin level measurement



### Not influenced by agitator !

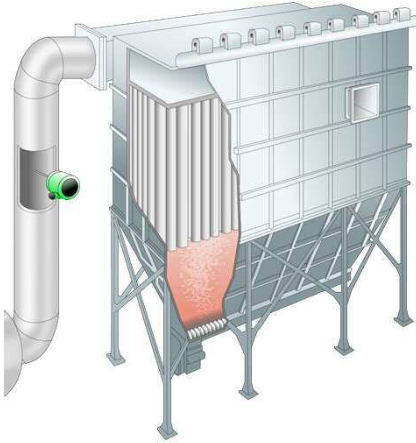
The only upper level range had been measured because the sand bin has a rotating agitator, which disturbed the level measurement for the lower level. The Matsushima Radar Transmitter can minimize the influence of agitators and continuously measure the full range level from the bottom!!

#### Measured waveform data



MC-161024-00

## Dust Monitor

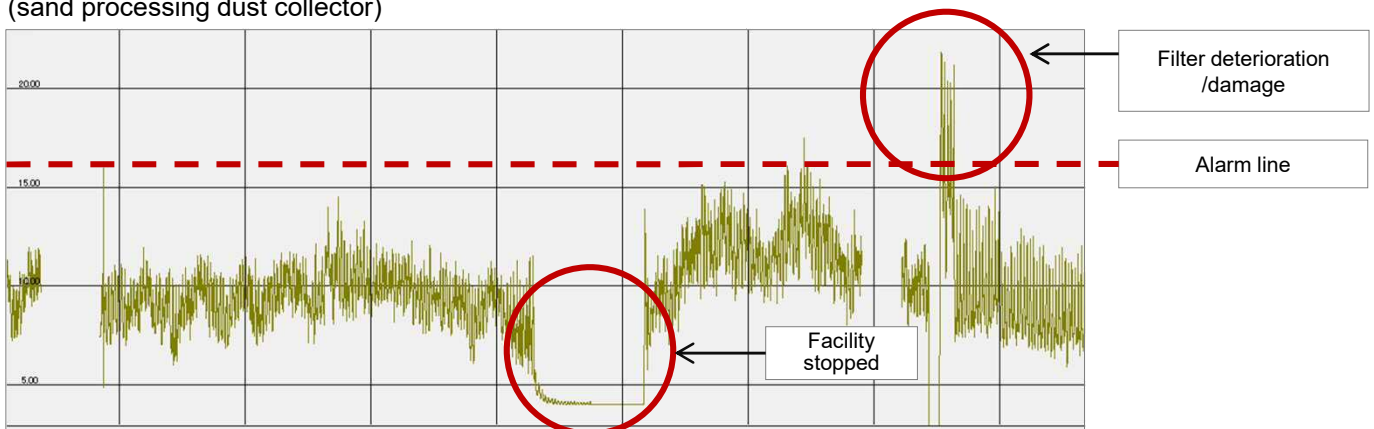


### Earlier detection of filter deterioration!

By installing Dust Monitor at the secondary side of each dust collector, the initial deterioration of the filter can be found earlier.

If the initial deterioration can be detected, the filter can be replaced on a regular basis without the operation stop, and keep high productivity and better work environment.

Measured trend data  
(sand processing dust collector)



The condition of the filter can be monitored by connecting to a recorder including a data logger.

The excess of the alarm line (Dust Monitor reference value) indicates the deterioration and damage of the filter.

### Identify deteriorated filters!

From the trend data monitored by Dust Monitor when cleaning each filter with air (backwashing), the compartment or the row of the damaged filters can be identified.

This monitoring system with Dust Monitor and backwashing results in the filter replacement on a regular basis without operation stop.

### Distributor



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