

### Application

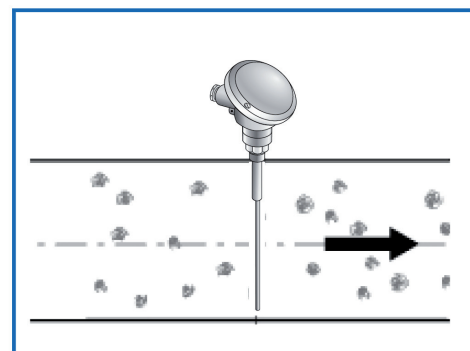
In paper manufacturer plants there is a web of raw materials for the paper production that are produced and processed. During the production different steps such as; cutting of the raw material dust is produced, this dust can be reduced or avoided through adding binders to the raw material.

The amount of dust generated in the production process should be detected and monitored for different customers, it is not desired and most customers want to reduce it.



### Process Data

Customer:	paper manufacturer (Germany)
Material:	raw material for paper production
Installation location:	cutting system
Function:	monitoring of dust production during different production steps, documentation of product quality



### Solution

During the process of raw materials for the production of paper dust generated is not desired. Therefore the AirSafe measures the dust development during different manufacturing steps. The dust development can be documented by a 4 ... 20 mA signal and this way a trend can be transmitted to the customer, if desired.

Besides the areas of explosion protection, employee protection and system protection the assurance of product quality is another great application where the AirSafe is used.



### Customer benefit

- Documentation of dust quantity in the ambient air
- Control and improvement of material quality



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