

No unnecessary operation of the pump (energy efficiency) Time saving during unloading

CUSTOMER BENEFITS

Easy installation and adjustment

switched on when material is present.

- Durability of the sensor, no material contact
- Insensitivity to material deposits on the sensor

Automatic control of the pump during truck loading:

Monitoring for Powder, Dust & Gas

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Material flow monitoring for truck unloading efficiency

APPLICATION

Various raw materials are required in the soap manufacturing process. Sodium sulfate, one of the raw materials used in the formulation of soap, is often delivered in trucks. During the unloading of trucks, it is useful to know when the truck is empty so the pump for unloading can be switched off.

In order to automatically control the pump during the truck unloading, the customer was looking for a non-contact material flow monitoring system.

In the application described, the FlowJam is installed at the unloading of trucks and monitors the material transport lines. With the material flow information, the pump for unloading the vehicles can be operated automatically. This means that the pump is only

PROCESS DATA

Customer:	Manufacturer of detergents
	(Chemical industry)
Material:	Sodium sulfate
Installation:	Input pipe, connected to the truck
Function:	Monitoring the material flow to control the truck unload



SOLUTION

The Flow Jam is a sensor for non-contact monitoring of material flow for "Flow" or "NoFlow".

The system works contactless and uses microwave technology where the material movements can be detected by utilizing the Doppler effect. The sensor is developed to be simple to install, adjust and maintain.





CASE STUDY

PROCESS

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