

Cellulose manufacturing

Initial situation	Project objectives	
<p>A fire detection system consisting of i.a. six aspiration smoke detectors (ASD - 4 sensor pipes each) installed in a cellulose production plant over 4 floors.</p> <p>Environmental conditions: spray pollution, high humidity</p> <p>Frequent interruption of operation due to blocked openings of the sensor pipes</p>	<p>The use of automatic air-blast systems of Techconnet should significantly reduce process interruptions due to increasing the availability of sensor pipes.</p>	
Problem solution	Results	Contact person
<p>A pilot installation of one BO 2.4 HD (4-pipe system) operated by cool and oil-free compressed air (at 5 bar pressure) and a blow off interval of four times daily, one of 6 ASD systems should provide comparative data over a 6-month period.</p> <p>The ASD with the highest interference potential was selected.</p> <p>In case of positive results, further air-blast units would be installed.</p>	<p>Increasing the cleaning intervals from 4 times a day to 6 times a day (after 2 months operation of the air-blast system) stabilized the aspiration smoke detector.</p> <p>No deposits in the sensor pipes.</p>	<p>Techconnet GmbH Tel: +49 30 221994580 A. Wiedemann</p>