



Nanogate at FILTREX in Cologne:
Maritim Conference Center, Stand 12

PRESS RELEASE

Nanogate AG introduces new PermaStatic® products for improved filter efficiency and begins international marketing
First successful product developed based on new N_charge® technology platform – Proven significant improvement in fine dust filtration for a large number of filter media – Many applications in industry, buildings, automotive and household

Göttelborn/Cologne, 7 October 2008. At the European filtration trade fair FILTREX, Nanogate AG (ISIN DE000A0JKHC9) is presenting PermaStatic®, its first product development based on the new N_charge® technology platform. PermaStatic® refines filter media by means of an electric storage layer so that they are statically charged permanently. Filtration performance is improved significantly and conventional systems can be converted into high-performance filters easily and economically. PermaStatic® both delivers a high and reliable filtration performance and leaves the air permeability of the filter media unchanged. Individual filter fibres are covered in a layer of less than 100 nanometres. The potential application areas of PermaStatic® are many and varied. They range from industrial use and building and automotive filters to household filtration systems.

In air filtration the degree of particle separation by the filter medium is the key factor, especially where fine dust is concerned. Improving filter performance by means of a permanent electrostatic charge poses a constant challenge for the filter industry with the steady increase in demands that are made on it, especially in respect of fine dust, and is therefore of immense importance. PermaStatic® improves conventional filter media by actively attracting and retaining fine dust particles with its static charge while leaving the fibre density



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of the filter medium unchanged. A "normal" filter medium is thereby converted into a filtration system that reaches a new performance level without requiring any change in the design of the filter medium. And PermaStatic® can be integrated into existing production processes very easily and economically. In future, clean room filters in industry or passenger compartment filters in, say, cars could be improved significantly.

"Fine dust pollution is an urgent challenge that affects us all. In PermaStatic® we offer a solution that can be integrated into many systems and make a significant and lasting contribution toward clean air, thereby helping both mankind and the environment," said Nanogate AG Authorised Officer Holger Zytur. "PermaStatic® is best described as an intelligent dust magnet that actively attracts the finest particles with its invisible tentacles," he added. "The swift and systematic PermaStatic® product realisation shows the great technological and commercial implementation potential of our new N_charge® technology platform. Nanogate AG expects the first customers and sales contributions from it as early as 2009," said Nanogate AG CEO Ralf Zastrau.

Nanogate AG is exhibiting PermaStatic® to a wider public for the first time at the filtration and separation trade fair FILTREX 2008 in Cologne on 7 and 8 October.

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Nanogate AG:

Nanogate is a leading international enabler in the nanotechnology growth market and so opens the gate to this technology for its customers. The firm, which is based in Göttelborn (Saarland), enables the programming and integration of additional properties such as non-stick, anti-bacterial, anti-corrosive and ultra-low friction. Nanogate thereby gains a competitive edge for its customers by product refinement using chemical nanotechnology. Nanogate covers a wide range of industries, functions and substrates already on the basis of technology platforms. The company thus provides a decisive interface for the commercialisation of chemical nanotechnology, bridges the gap between raw materials and their industrial conversion into products and concentrates as an enabler on one of the most attractive segments in the industry. As a partner in innovation, Nanogate provides many services along the value chain – from development and production of innovative nanocomposites and nanostructured materials to powerful support for innovation and product integration.

The Nanogate Group currently has 72 employees in all (as of 1 September 2007) and since commencing operations in 1999 has been a pioneer in nanotechnology. Nanogate is a high-growth company and has operated profitably since financial year 2004. In financial year 2007 it boosted consolidated sales by about 32.8 % to around EUR 10.4 million. The earnings before taxes (EBT, according to IFRS) increased by about 32.8 % to around EUR 1.5 million. The company has first-class customer references (e.g. ABB, Bosch-Siemens Hausgeräte, Kärcher and Koenig & Bauer) and many years' experience of different industries and applications. It has also entered into strategic cooperation with international companies such as Dow Corning. The Group's consolidation entity includes Nanogate Advanced Materials GmbH, which specialises in complex applications like high-performance optics, and a strategic investment with a majority option in Holmenkol AG.

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