



***Hall 6 Stand E11 (NANO stage) at the Hannover Messe  
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**PRESS RELEASE**

**Hannover Messe 2009: Nanogate AG continues its  
innovation offensive by launching new product lines and  
expanding strategic partnerships**

**Presentation of the new permaResist polymer and permaProtect metal  
surface systems – range already successfully launched with pilot clients  
– exclusive partnership in the field of functional nanocoating**

**Göttelborn/Hanover, Germany, 21 April 2009. Nanogate AG (ISIN  
DE000A0JKHC9), a leading international enabler in nanotechnology, is  
significantly expanding its expertise and technology partnerships. The new  
permaResist polymer range provides visually attractive, highly abrasion-  
resistant enhancement for plastic surfaces which experience high stress levels.  
In the area of energy efficiency Nanogate is introducing the permaProtect metal  
project platform aimed at increasing efficiency during energy production.  
Nanogate also agreed an extensive cooperation agreement with Special  
Coatings GmbH & Co. KG, a provider of specialised surface systems. Together  
with its new partner, Nanogate AG is in a position to provide an innovative  
complete coating solution for mass-produced small parts, for which Nanogate's  
new permaResist and permaProtect product systems can already be used.**

**Innovation highlight permaResist polymer**

The innovative plastic surface systems introduced by Nanogate at the trade fair feature multifunctional characteristics: high chemical, weather and abrasion resistance, easy to clean, transparent, easy to process and an excellent visual appearance. The product range is suitable for almost all commonly used plastics and as such can be employed in a wide range of new application possibilities across all of Nanogate AG's business areas – such as products for automotive interiors, the furniture industry, plastic housings, optical systems or large-scale applications such as plastic noise barriers on motorways. These



systems provide clear advantages: the surfaces are more resistant to damage, easier to clean and hardly show signs of wear and tear, even after years of use. In recent months Nanogate has already succeeded in integrating the product system into an initial mass production run with a specialised helmet visor provider.

### **Innovation highlight permaProtect metal**

The new permaProtect product line is aimed primarily at applications in the field of energy technology, with a particular focus on the efficiency of energy components (heat exchangers) in industrial facilities. The newly developed, highly-efficient anti-corrosive coatings feature a much lower lamination strength than traditional systems. This guarantees optimal heat transfer combined with long-lasting surface protection, even under high strain. The protective coatings provide both constant energy efficiency and optimal performance efficiency and are currently primarily used in heat exchangers, e.g. as part of a building's heating equipment. Nanogate has already successfully integrated this system into a first round of series production (leading international provider). *"Energy efficiency is a pressing concern,"* said Michael Jung, a member of Nanogate AG's Management Board. *"Nanogate is rising to the challenge by helping industrial facilities to conserve more resources and be more energy efficient in the future with its surface enhancement technology."*

### **New partnership in innovative coating methods**

By joining forces, Special Coatings GmbH & Co. KG and Nanogate AG are now in a position to deal efficiently with the mass-produced small parts market and expand into new areas of application. Drum coating with the high-tech SC-Coater® is highly cost-effective as it allows decorative or functional coating materials to be applied directly to a large number of parts (e.g. high-quality screws or electronic components) in bulk simultaneously. *"Our exclusive cooperation with Special Coatings GmbH & Co. KG in the area of functional nanocoating allows us to expand into accessible markets and position ourselves as a system partner in an additional segment,"* said Andreas Weis, the new head of Nanogate's Automotive/Mechanical Engineering division.

After having its textile enhancements used as standard in the "2009 Car of the Year", Nanogate is continuing its innovation offensive and following through with its strategy programme NEXT by presenting these new technologies at the 2009 Hannover Messe. The central components of this strategy are expanding the technology portfolio as well as



internationalising the company, expanding partnerships and alliances, and strengthening Nanogate's expertise in strategic growth fields and sectors.

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**Innovation-driven competitive advantage:**

This is the guiding motto Nanogate AG is using as it confronts the current economic challenges and opens up new growth prospects for its clients. To achieve this, Nanogate AG has stepped up its efforts significantly and will be presenting a multitude of innovations in the current financial year. Since going public the company has invested millions in developing new technology platforms and has transformed these into marketable products. Nanogate has successfully illustrated its expertise in more than 150 cases, using innovation to offer its clients added value and a competitive advantage.

**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 Göttingen (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 76 employees in all (as of April 2009) 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, BSH Bosch-



Siemens Haushaltsgeräte, Kärcher and Koenig & Bauer AG) 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, FNP GmbH in the area of sport/leisure and a majority shareholding in Holmenkol AG.

**Special Coatings GmbH & Co. KG:**

Special Coatings GmbH & Co. KG (SC for short), which is based in Gilching/Munich and has a northern branch in Wuppertal, can look back on more than ten years of involvement in the sale and development of tailored coating systems. It is distinguished by many years of well-founded expertise in the area of drum coatings for mass-produced small parts, coating materials and proprietary facility technology. The high-tech SC-Coater® uses a spray gun to coat mass-produced small parts in a cost-effective manner. Decorative or functional coating media are applied directly to the plastic or metal parts to be coated in bulk. Special Coatings GmbH's many years of experience and substantial expertise in the area of drum coatings for mass-produced small parts, coating materials and proprietary facility technology form a technology platform complemented perfectly by Nanogate AG's value creation principle.

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