



PRESS RELEASE

Nanogate AG: NanoGuard® concrete coating halves the ongoing cleaning efforts of keeping Europe's longest urban tunnel clean – Follow-on project in Washington

NanoGuard® makes Stockholm's Södra Länken tunnel much lighter and easier to clean – Substantial cost saving plus environmental benefits and improved road safety – Refinement of Swedish embassy in Washington realised

Göttelborn, Germany/Stockholm, Sweden, 3 June 2009 – Nanogate AG (ISIN DE000A0JKHC9), a leading international nanotechnology enabler, has given a practical demonstration of the high level of effectiveness of its NanoGuard® surface sealant. Initial evaluation has shown that the effort of cleaning Stockholm's Södra Länken tunnel has decreased by more than half since the new coating was applied. Cost- and time-intensive general cleaning is no longer needed and environmental pollution by dust, exhaust fumes, rust and aggressive cleaning residues has been reduced considerably. Cooperation with Nanogate and the successful use of its product NanoGuard® so convinced the Swedish authorities that Nanogate was called in to help refine the "House of Sweden", the Swedish embassy in Washington, D.C. This was the first use of NanoGuard® on natural stone for surface protection on an extensive area.

In cooperation with ALRON, the Swedish manufacturer of special construction chemicals, parts of Europe's longest urban motorway tunnel in Stockholm, such as the tunnel walls and concrete crash barriers, after a thoroughly general cleaning were refined in fall 2008 with a coating of NanoGuard® to reduce what had previously been expensive cleaning works. "By using NanoGuard® we have



been able to achieve outstanding results in cleaning the tunnel, and we look forward to continuing the project and our cooperation with Nanogate," said Robert Petterson, managing director of Svevia, the company in charge of maintenance of the tunnel system. Cleaners face exceedingly tough conditions here as more than 100,000 vehicles a day pass through the tunnel and are held up by congestion, staining the light-coloured concrete walls with their exhaust fumes and soot particles. In addition, the resulting reduction in reflectivity impairs road safety.

The NanoGuard® product range seals and refines mineral surfaces such as concrete. Thanks to chemical nanotechnology, dirt adhesion is reduced significantly and cleaning is made much easier and, at the same time, more environment-friendly. Treated surfaces are given lasting protection from harmful environmental influences of various kinds, and their value is maintained. "After a preliminary evaluation of the winter season we can confirm that the cost of ongoing cleaning can be reduced by more than 50 %," said Peter Bock, Head of Nanogate AG's Buildings/Interiors division. "That leads to significant cost savings and also eases the burden on the environment considerably because aggressive cleaning agents no longer need to be used," he added.

The successful cooperation led to a prestigious follow-on project: The company from the Saarland region of Germany was called in to help refine the Swedish embassy building in Washington, D.C. Both the location and the building itself are prestigious: the House of Sweden won the premier Swedish architectural award, the Kasper Salin Prize, in 2007. "The Washington project is a far-reaching success for us that confirms the high performance of Nanogate Technologie®. We are confident of realising further projects of this kind in 2009," said Nanogate AG's CEO Ralf Zastrau.

The success of those two projects also confirms the German company's added value principle. Its aim is to achieve competitive benefits for the customer by means of nanotechnology. At the same time, Nanogate follows the "Green Nano" principle and sees nanotechnology as a key to sustainable economic activity and to improving environmental protection.



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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 (Lower Saxony), 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 almost 17 % to around EUR 12.2 million. The earnings before taxes (EBT, according to IFRS) amounted to around EUR 1.1 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.

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