



PRESS RELEASE

Nanogate expects major new business in the specialised market for tunnel coatings – project in NRW successfully completed

New business in the mid-six-figure euro range expected by the end of 2012 – successful cooperation programme with the Swiss tunnel specialist Kapyfract – road tunnel in Birth on the A44 motorway in North Rhine-Westfalia coated

Göttelborn, Germany, 22 September 2011. Nanogate AG (ISIN DE000A0JKHC9), the leading international integrated systems provider for nanosurfaces, is counting on sales potential from the tunnel coatings market in the mid-six-figure euro range by the end of 2012. The company is currently registering strongly growing interest in its innovative materials. The coating of a road tunnel in Birth (NRW) has now also been successfully completed in cooperation with Kapyfract AG, a leading European provider of fire protection for tunnels. The partnership began in early 2011 and aims to internationally market and implement innovative coating solutions for traffic tunnels based on Nanogate-Technologie®.

Ralf Zastrau, CEO of Nanogate AG, comments: "Within just a few months our cooperation programme with Kapyfract has already achieved first successes. Although road building is often notorious for long project lead times, the advantages of the new coating system meant that another order was quick to follow. Based on the talks currently underway with interested parties we are expecting further projects in the months ahead. The market for tunnel coatings is growing fast and offers attractive margins."



After Kapyfract AG and Nanogate had successfully coated a section of the Kreuzstraßentunnel in Tuttlingen at the end of 2010, the Birth tunnel (near Düsseldorf) was modernised using a new system for tunnel coatings as part of a complete overhaul in August 2011. The high-performance systems used were from the NanoGuard® product line and are marketed under the names KapyCoat E and KapyCoat E+. The hydrophobic, dirt-resistant coatings make road tunnels brighter and easier to clean. In an ADAC test last year the tunnel had been given poor marks for visibility and other safety aspects. Around 7,800 square metres of the tunnel walls were coated with the innovative material (in white RAL 9010) to prepare the 807m long tunnel for the demands that will be made of it by the heavy traffic on this route. The new surface improves road safety in the tunnel because dirt cannot cling to it, which means its reflective properties are maintained for longer. This means improved visibility over the long term. It also cuts the costs of cleaning and maintaining the tunnel significantly, as chemical detergents are no longer required for future cleaning cycles. At the same time, the walls absorb less moisture, which substantially reduces frost damage due to freezing water.

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Nanogate AG:

Nanogate is the leading international integrated systems provider for nanosurfaces, concentrating primarily on enhancing high-performance surfaces. The firm, which is based in Göttelborn (Saarland), enables the programming and integration of additional properties – such as non-stick, antibacterial, anti-corrosive and ultra-low friction – into materials and surfaces. As an enabler, Nanogate gains a competitive edge for its



customers by means of product refinement using chemical nanotechnology. Nanogate covers a wide range of industries, functions and substrates. The company thus provides a decisive interface for the commercial use of chemical nanotechnology and bridges the gap between the suppliers of raw materials and industrial conversion into products. In doing so, Nanogate concentrates as an enabler on one of the most attractive segments in the industry. Nanogate has a unique combination of extensive materials expertise paired with comprehensive, first-class process and production know-how. As a systems provider, Nanogate covers the entire value chain, from the purchase of raw materials, to the synthesis and formulation of the material systems, right through to the enhancement and production of the finished surfaces. Nanogate focuses primarily on plastic and metal coatings for all surface types (two and three-dimensional components).

The Nanogate Group currently has approximately 250 employees in all and since commencing operations in 1999 has been a trailblazer in nanotechnology. The company has first-class customer references (e.g. Audi, BMW, Bosch-Siemens Haushaltsgeräte, Junkers, Kärcher, Hörmann Group, Opel and REWE International AG) and many years' experience of different industries and applications. Several hundred projects have already gone into mass production. Nanogate has also entered into strategic cooperations with international companies such as the GEA Group and Dow Corning. Nanogate consists of Nanogate Industrial Solutions GmbH, Eurogard B.V., FNP GmbH for products in the sport/leisure sector, majority stakes in Holmenkol AG and GfO Gesellschaft für Oberflächentechnik AG, and an equity holding in sarastro GmbH.

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