



PRESS RELEASE

Nanogate wins major new order for energy-efficient heating systems

Order from August Brötje GmbH in the seven-figure euro range – Nanogate already well ahead of the EUR 1 million sales mark in business with energy-efficient coatings in 2013

Göttelborn, Germany, 14 May 2013. Nanogate AG (ISIN DE000A0JKHC9), a leading international integrated systems provider for high-performance surfaces, is expanding its market position for energy-efficient heating systems. August Brötje GmbH, a heating specialist from Rastede, is to join the ranks of renowned global manufacturers using Nanogate technology. The latest generation of high-performance surfaces from Nanogate AG has been in use in heat exchangers from another provider since autumn 2012. The new order from August Brötje GmbH, part of the BDR Thermea Group, one of the world's leading manufacturers of heating technology, has an annual volume in the seven-figure euro range and will make a significant contribution to sales and earnings as early as this year. Nanogate will therefore exceed the million euro mark in sales of energy-efficient heating systems in 2013, instead of from 2014 as originally expected.

Ralf Zastrau, CEO of Nanogate AG, commented: "Modern heating systems have the task of saving energy and lessening the impact on the environment. The bulk of energy used in buildings is for heating and hot water. Our technology ensures that the performance of the enhanced heat exchangers remains at a high level. The fact that August Brötje GmbH gives its customers a ten-year guarantee speaks volumes about the outstanding quality of the high-performance surfaces that we supply. As an integrated systems provider, Nanogate has developed the technology and is now responsible for the ongoing series coating. Our systems confirm Nanogate's strong position in the field of advanced metals."



Stefan Harms, Technology Director at August Brötje GmbH, says, "Consumer demand for energy-saving condensing boilers is growing continuously. Nanogate is an experienced and reliable partner who is providing us with efficient systems. Our energy-efficient, long-lasting heat exchangers benefit consumers and the environment in equal measure."

Energy-efficient heat exchangers confirm cleantech strategy

Nanogate equips aluminium gas-fired condensing boilers from the heating specialist August Brötje GmbH with an energy-efficient coating. The Group developed the high-performance surface itself as part of its innovation drive lasting several years. As an integrated systems provider, Nanogate is responsible for manufacturing the material, producing the surface and finally for enhancing the heat exchanger on behalf of its customer. Technology from Nanogate ensures that the efficiency of the heat exchanger stays constant over a long period, as well as extending the total useful life of the heating system. The coating stops condensing flue gas from polluting the heating system, as is the case with conventional boilers. "Given the advantages of our technology, we are confident of building on our position. This market has annual sales well in excess of EUR 100 million. Our focus on environmental applications and cleantech systems is increasingly paying off", says Zastrau.

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August Brötje GmbH (<http://www.broetje.de>):

BRÖTJE can look back on more than 90 years of experience in heating technology. Its company history is marked by a succession of innovative and high-quality products, and its success is based on comprehensive expertise and exceptional performance in the field of heating systems. Over the course of its history, BRÖTJE has developed a wide range of new technologies and products for gas, oil and solar-powered boilers. These cutting-edge developments – especially in the field of condensing technology – have always sparked new trends and enjoyed great success. BRÖTJE is a member of the BDR Thermea Group, a leading global manufacturer of heating technology. Through close cooperation with BDR Thermea companies throughout Europe, BRÖTJE will be in a position to keep presenting innovations for the heating technology market in the future. As a provider of systems technology, it currently develops and produces condensing boilers, micro-CHP systems, ventilation systems, oil and gas boilers, heat pumps, solar technology, radiators as well as the required auxiliary equipment, and distributes these products via a three-stage sales channel. BRÖTJE products are sold exclusively to qualified fitters via the wholesale partners GC Group and Pfeiffer & May Group.

Nanogate AG:

Nanogate is a leading international integrated systems provider for high-performance surfaces. The Group, which is based in Göttelborn (Saarland), enables the programming and integration of additional properties – such as non-stick, scratchproof and anti-corrosive – into materials and surfaces. Nanogate opens up the diverse possibilities of multifunctional surfaces based on new materials for companies in a wide range of industries.

Nanogate provides its customers with technologically and optically high-quality systems. To do so, the company uses its extensive knowledge of innovative materials, including existing expertise in nanomaterials, nanosurfaces and nanostructures. The aim is to improve products and processes by means of high-performance surfaces while achieving environmental benefits. The Group concentrates on the four sectors of Automotive/Mechanical Engineering, Buildings/Interiors, Sport/Leisure and Functional Textiles. Nanogate has a unique combination of extensive materials expertise paired with comprehensive, first-class process and production know-how. As a systems provider, Nanogate offers services throughout 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 optically high-quality plastic and metal coatings for all surface types (two and three-dimensional components). Its value drivers are the opening up of new, international markets, the development of new applications for the growth markets innovative plastics (e.g. glazing) and energy efficiency, as well as external growth. In the medium term, Nanogate also intends to achieve a considerable revenue share from environmentally friendly systems and cleantech applications.

The Nanogate Group has first-class customer references (e.g. Airbus, Audi, BMW, Bosch-Siemens Haushaltsgeräte, Junkers, Kärcher, Hörmann Group and Jaguar). Several hundred projects have already gone into mass production. The company also has strategic partnerships with many international corporations. Nanogate comprises Nanogate Industrial Solutions GmbH, Eurogard B.V., Nanogate Textile & Care Systems GmbH, a majority stake in GfO Gesellschaft für Oberflächentechnik AG and a strategic 76 % holding in Plastic-Design GmbH.

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