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Genthe-X-Coatings GmbH (GXC) was established in June 2000 and is a leading company for nano-coating of transparent materials. Our business is the development, application, production and marketing of nano-coating materials according to an improved sol-gel-method to increase the functionality of glass and polymers.

Application areas are to be found in the automobile industry, aviation, optical, ophthalmic, white goods and medical industry as well as construction industry. GXC is focussed on optics and safety applications in the automobile, motor cycle, metrology and medical sector. The strategy of developing new materials was concentrated on the business potential in the automobile industry. First products launched were focused on avoiding condensation / fogging of inner surfaces of head lamps ("anti fog"). New products now available in series are anti scratch, anti-glare, chemical resistance and antimicrobial coatings.

GXC has a leading technology position at nano-coating materials to increase the functionality of transparent materials. GXC uses nano-coatings which are based on the sol-gel method. This method allows a selective and re-producible synthesis of multi-functional, nano-particulate systems which are used to optimize the functionality of surfaces of materials.

The coating materials are, as far as possible, water-based and solvent-free. The systems can be adjusted individually on all current coating methods such as flow coating, spraying or dip coating by adjustment of the rheology of solids content. Likewise the hardening of such materials at ambient temperature can occur by heat or radiation.

GXC has established itself a leading position at technology and products in the supply chain of automotive suppliers. The range of activities contains development, application technology, production and distribution and is dedicated to the transfer of high tech into reliable series production.