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## Innovation Award to KRANTZ Clean Air Solutions

KRANTZ Clean Air Solutions, a business unit of caverion GmbH located in Aachen, has won the '2007 AVK Innovation Award' in the environment category. This Innovation Award given by the 'Industrievereinigung Verstärkte Kunststoffe e.V.' (AVK) [Federation of Reinforced Plastics] is intended to foster the development of new solutions to problems encountered by the industry of glass fibre reinforced plastics. The award was handed over on 05/11/2007 during the 10th International AVK Conference held in the congress centre of the new Stuttgart fairgrounds. At an evening ceremony, the three best competitors, selected from a great number of candidates, were presented to the audience and it is caverion GmbH that was proclaimed award winner by Dr. Kleinholz, the president of the jury.



The award-winning system is a most economical process used for cleaning exhaust air containing styrene at the German company Lamilux Heinrich Strunz GmbH located at Rehaus. The order for the exhaust air treatment plant was won by KRANTZ Clean Air Solutions along with present-day AGO AG Energie und Anlagen (formerly M+W Zander Energie und Anlagen GmbH) in spring 2006, which is exemplary of the fruitful cooperation between different business units of caverion GmbH.

Lamilux produces sheets from glass fibre reinforced polyester resin for use as body skin components for caravans and mobile homes. A great amount of styrene is emitted during the production process. According to environmental regulations, these emissions have to be cleaned in an exhaust air treatment plant. The multi-stage plant designed and supplied by KRANTZ Clean Air Solutions in 2006 is a regenerative thermal oxidiser that not only does not require any additional fuel, but also provides a surplus of energy that enables to produce superheated water. This extra superheated water, which is required for production throughout the year, provides relief for the superheated water boiler located in the boiler house.

Thus, the exhaust air treatment plant provided by KRANTZ Clean Air Solutions complies with the environmental regulations while contributing to cutting running costs down. Another positive side effect



(L to R): Mr Pfund, CEO of caverion GmbH, Dr. Dötsch of the business unit KRANTZ Clean air solutions, and Dr. Kleinholz, President of the Jury for the AVK Innovation Award



of this system is the fact that the CO<sub>2</sub> emissions of the manufacturing facility have been reduced by more than 70% against a conventional system.

On the strength of the positive experience made with the thermal oxidiser of KRANTZ Clean Air Solutions, Lamilux has already placed another order for two new multi-stage exhaust air treatment plants worth EUR 1.3 million in total.



The exhaust air treatment plant