

# Technologies for a clean environment

With 55 years of experience behind it, Kraftanlagen München GmbH (KAM) is one of Europe's leading companies in the field of pipeline and plant engineering. KAM has a 2,000-strong team that plans and delivers projects in the fields of energy, environmental, generating and distribution technology and supplies the chemical and petrochemical sectors. KAM builds biomass plants, waste disposal plants, gas and steam power stations and combined heat and power systems using gas turbines and diesel and gas engines.

In 2000, KAM embarked on a partnership with the German Aerospace Center (DLR) to develop solar thermal power stations, initially as a subcontractor to DLR. Since 2004, KAM has itself taken on the role of project coordinator for a number of joint research projects. The procedure for the open volumetric receiver had been developed by DLR in the 1990s, initially in collaboration with several different industrial partners. From 2001 to 2004 a receiver supplied by KAM was successfully trialled. Several joint research projects ensued to develop this technology further. In 2005 DLR and KAM concluded a comprehensive cooperation agreement covering the evaluation and further development of the technology concerned.

Biomass power plant,  
Mannheim

The idea of an experimental solar thermal plant on German soil was first discussed in 2003. In late 2004, on the strength of a feasibility study carried out by KAM, DLR and Solar-Institut Jülich (SIJ), KAM and DLR signed a declaration of intent along with Jülich town council, the Jülich municipal services agency (Stadtwerke) and the SIJ, making it possible for the Stadtwerke to be brought in as the owner and operator of the experimental generating station. In cooperation with its partners, KAM is testing the practical application and economic viability of the

new technology with a view to deploying German know-how in those countries where sunshine can make a substantial contribution to the energy supply.

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