



# News service MAN Group

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## RENK quality in demand – 100 th AEROGEAR supplied

On the 13 th November 2003 the 100 th AEROGEAR was shipped from the workshops of RENK AG in Augsburg. The AEROGEAR is a new gear unit series which was introduced to the market in 2001 by RENK. AEROGEARS have been designed to suit the demands of large wind power stations. With this series RENK reacted to the serious difficulties many wind power station builders were faced with using other gear unit brands.

Within the scope of an exclusive agreement all 100 gear units were supplied to the wind power station builder “REpower Systems AG” in Hamburg and Husum. For a market sector where we are used to speaking in thousands, a quantity of 100 pieces may seem rather modest but it has to be considered that with the patented AEROGEAR a completely new technology was introduced. For this reason, sales were carried forward with utmost care taking a close look to the prototypes before the go-ahead was given for series production by the management.

Despite a stagnation in demand for wind power stations, more and more RENK AEROGEARS are favoured by operators backing on long-term operational safety. All supplied AEROGEARS excel by a 100% availability and completely flawless operation. In addition, the high-quality gear units manufactured in Augsburg offer excellent noise values and an outstanding efficiency.

The AEROGEAR series manufacture comprises the power classes 1500 and 2000 kW to be installed in “REpower” plants of the types MD 70, MD 77, MM 70 and MM 82.

Rated for 2000 kW, the 100 th gear unit is going to complete a MM 70 station. The input speed, i.e. the speed of the power stations rotor with a diameter of 70 m, totals 20 revolutions per minute, the output speed, i.e. the speed of the double-fed asynchronous generators, totals 1800 revolutions per minute. Before the end of this year, said wind power station will be connected to the power grid near Flensburg.