

Newsletter March 2009

Dear customers,

With this newsletter we wish to provide you with regular information about new products and developments. We would also like to introduce you to the people who contribute to the success of our company.



In March it is our pleasure to introduce you to Klaus Treusch:

Klaus Treusch is the Technical Manager for Production and Quality Management at ROTEK and has developed the ROSYNC motors. Before the foundation of ROTEK he worked as an engineer for commercial vehicle electronics at VDO. After completing his Abitur [equivalent to A-levels in the UK] he studied electrical engineering in Darmstadt and thereby continued a family tradition: he was the 3rd generation of his family to graduate there. Previously his father and grandfather had both studied electrical engineering in Darmstadt.

He is 43 years old and married to Birgit Treusch. Their daughter Isabell is nine years old and whenever Klaus Treusch is not busy with the development of new motors, he spends his time in the garden with his family or enjoying a good red wine in the evening. If he has any more spare time then he spends it on the construction of historic sailing ships.

ROSYNC motors and ROTEK planetary gears - the ideal team

The planetary gears of ROTEK are characterised by a high level of efficiency and their compact construction.



They can be ideally combined with the new energy saving engines of the ROSYNC range and thereby form a highly-efficient and compact drive unit for the highest demands. Due to the simultaneous intervention of each of the three planetary gears per level, high amounts of force can be transferred to the smallest area.

The gears are available in the sizes 42mm, 52mm and 62mm. For fields of application where interfering operating noise is not desired, they are also available in an especially quiet design. Gear ratios of up to 308:1 and drive torque of up to 50Nm are possible. The gears can be overloaded by up to 50 percent for a short period. A further plus point is the optimum power density under long-term load capacity. At the request of the customer all planetary gears can be supplied with special shafts and flanges, special lubrication and IP53 protection.

DC motors from SPG for standard applications

The DC motors are characterised by high starting torque and a good degree of efficiency. They can be supplied for outputs of 6 - 300W and for nominal voltages of 12, 24 and 90 volts, and are designed for a nominal speed of around 3000 Upm. The speed depends directly on the voltage and the load.



They can be equipped with spur gear transmissions with gear ratios from $i=3:1$ to $200:1$. Higher gear ratios can also be reached by additional inter-decimal gear-heads ($i=10:1$). The transferrable torque ranges from 3 - 30Nm. A PWM control system is recommended for setting the speed of the engine.

ROTEK has been distributing these engines in German-speaking countries since 2003.

New foreign sales partners in Denmark, Switzerland, Israel and India

In 2008 we were able to establish further valuable contacts. Since the summer there is a new foreign sales partner in Denmark.



There is large interest in ROTEK engines all over the world. This was noticed once again by the ROTEK team at the SPS Trade Fair in Nurnberg in November. The result of conversations held there are new partners in Switzerland, Israel and India.

With it ROTEK now has network of 25 foreign sales partners.

ROTEK is a member of the energy efficiency export initiative

„Energy efficiency - Made in Germany“ is the energy efficiency export initiative of the [German] Federal Government and the Federal Ministry of Economics and Technology.



It wants to support German companies in the marketing of their products and services on foreign markets with regards to energy efficiency. German products and brands should become synonymous with energy efficiency and quality in many countries thanks to the export initiative. An aim of the initiative is for „Energy efficiency - Made in Germany“ to be perceived even stronger as a central quality mark for German products and services abroad.

The portal intends to become a central point of contact in the search for partners and suppliers from Germany. It should help German companies to establish contacts quickly and easily in new export markets. To date approx. 600 German companies are members of this network.

The new sponsored elephant is called Lempaute

ROTEK supports an elephant protection project in Kenya. At an orphan breeding station, elephant cubs whose parents have for example been shot by hunters, are raised and then returned to the wild. In 2002 ROTEK took over the sponsorship for Mvita for the first time. In 2008 she joined a wild herd.



The new sponsored cub was born in October 2006 and is called Lempaute. He was separated from his family at the age of two weeks during a stampede by his herd and was found by rangers at the „West Gate Conservancy“. Thanks to donations, elephant protection projects and anti-hunting campaigns are financed in East and Central Africa.

Each elephant cub has a lot of sponsors. Sponsorship is possible from just 25€/year. It introduces children and school pupils to the issue of the protection of nature and endangered species. The money from the sponsors is used to pay for food, blankets, medicines, stables, cars for transportation, the wages of the carers and the veterinary. Intensive educational work is also carried out to inform people about the threat of extinction for African elephants.

We hope that this information has been of interest to you. If you no longer wish to receive our newsletter, please send an e-mail to:

newsletter@rotek-motoren.de

Kind regards

Your ROTEK team

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