

Media Release

Voith GmbH & Co. KGaA
Group Communication
St. Poeltener Strasse 43
89522 Heidenheim, Germany
Tel.: +49 7321 37-8303
Fax: +49 7321 37-7110
www.voith.com

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Voith received first order for two VECO-Drives from Guangzhou China Resources Thermal Power Co., Ltd. in China

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- **Two VECO-Drives will replace the existing boiler water feed pumps speed control in the NanSha thermal power plant**
- **Significant improvement of overall efficiency and reduction of energy consumption as well as greenhouse gas emissions**

Guangzhou, China. On August 27, 2018 Voith and Guangzhou China Resources Thermal Power Co., Ltd. signed an order for two VECO-Drive speed control products for the NanSha thermal power plant located in Guangzhou City, part of the Guangdong province. The order covers two separate units, which will replace the existing speed control components for the boiler water feed pumps. The VECO-Drive solution aims to significantly improve the overall efficiency of the plant in the long-term.

With the integration of the new VECO-Drive products, Guangzhou China Resources Thermal Power Co., Ltd. is able to significantly decrease energy consumption and greenhouse gas emissions of the plant. According to upfront conducted simulations, the two VECO-Drives will lead to a reduction of approx. 4,000 metric tons in standard coal and 13,500 tons in CO2 emissions each year.

The VECO-Drive is an electric superimposing gear and combines a mechanical planetary gear with frequency-controlled servo motors. It is inspired by the established principle of the Voith Vorecon with more than 600 installations and is the most efficient way to make speed variable, by using servo motors to drive a planetary gear. Since they only need a small part of rated power, an overall component efficiency of more than 97 percent is reached. This saves valuable energy and reduces operating expenditures every day.

About the company

Voith Turbo, a Group Division of Voith, is a specialist for intelligent drive solutions, systems and comprehensive services. Customers from highly diverse industries such as oil and gas, energy, rail and commercial vehicles, ship technology, mining and mechanical engineering rely on the advanced technologies and solutions-driven expertise of Voith Turbo.

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Voith is a global technology group. With its broad portfolio of systems, products, services and digital applications, Voith sets standards in the markets of energy, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, Voith today has more than 19,000 employees, sales of € 4.2 billion and locations in over 60 countries worldwide and is thus one of the largest family-owned companies in Europe.

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Voith and Guangzhou China Resources Thermal Power Co., Ltd. signed an order for two VECO-Drives to improve the efficiency of the NanSha thermal power plant.

Contact:

Robin Wankerl

Global Market Communication Manager

Tel. +49 7321 37-8303

Robin.Wankerl@Voith.com

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