

PRESS RELEASE

For direct publication

High-pressure pumps for concentrated solar power (CSP)

Rheinhütte Pumpen supplies vertical GVSO molten salt pumps to a 50MW solar power plant in China.

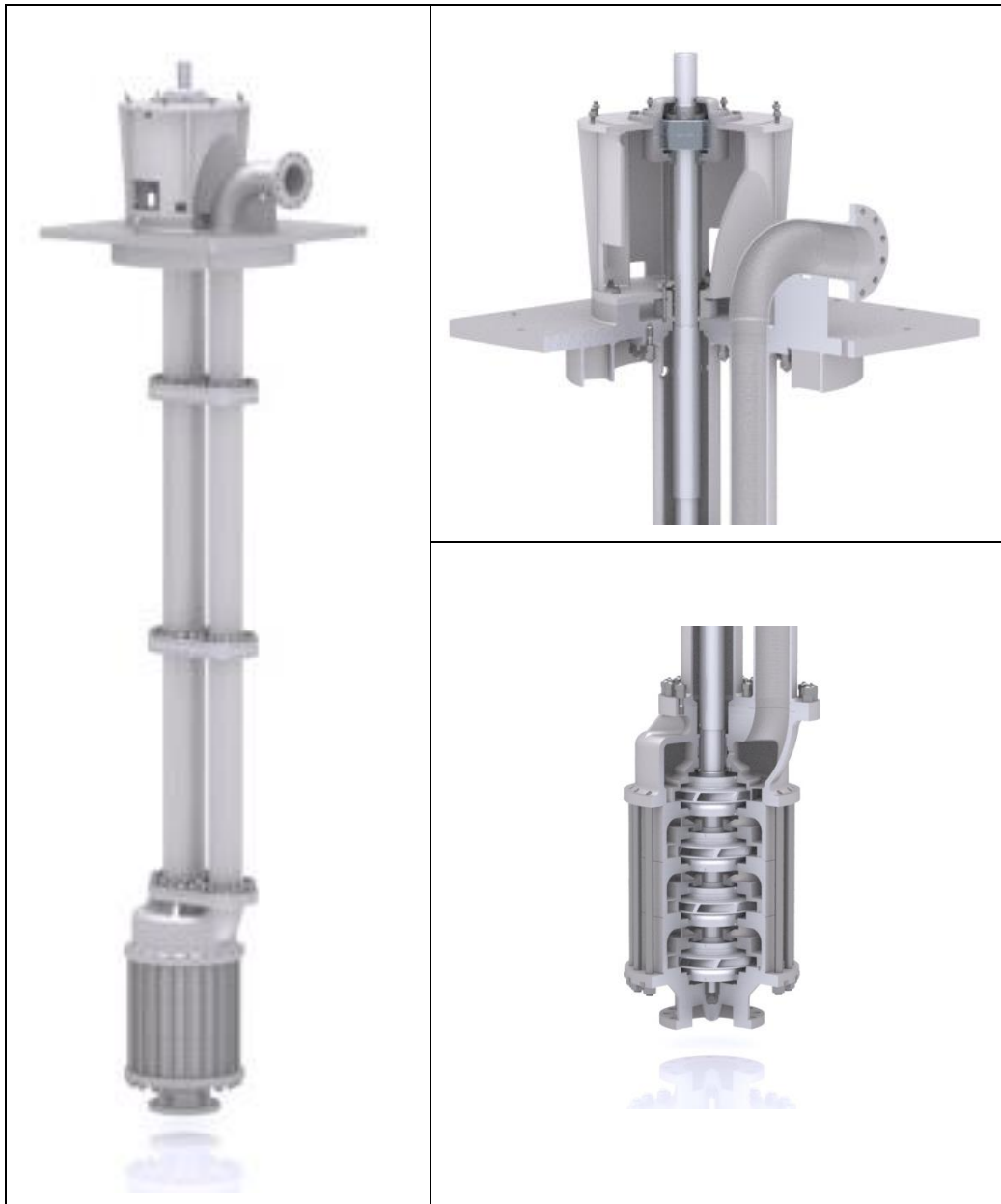
Wiesbaden (Germany), November 2015. Delingha 50MW is the first commercially operating solar thermal power tower in China, and Zhejiang SUPCON Solar Energy Technology has developed modular solar thermal power plant technology for the project.

Rheinhütte Pumpen will deliver vertical GVSO molten salt pumps for the solar power plant by the first quarter of 2016. First unveiled at AICHEMA 2015, this further development of the **enhanced multi-stage hydraulic design** will secure the pioneering position of the GVSO series in **high-pressure and high-temperature applications**. The chemical submersible pump is used for pumping aggressive, hot and contaminated media. It is capable of pumping hot molten salt at temperatures of up to 600°C up to a delivery head of 320 m in solar thermal power towers. Dr. Jürgen Weinerth, Head of Division Rheinhütte Pumpen, is convinced that the experience the company has gained in molten salt applications was a significant reason for award of contract. “Pumping of molten salts used as a heat transmission and storage medium represents a challenging task in solar power stations. Rheinhütte Pumpen has over 40 years of experience and technical know-how in high-pressure and high-temperature applications for solar thermal storage systems. The enhanced multi-stage hydraulic design represents the union of the reliable advantages enjoyed in the GVSO to date with the future market requirements of our customers.”

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Images:



Vertical **GVSO multi-stage** for high-pressure applications up to temperatures of 600°C – sectional view of the sole plate (top) and hydraulic mechanism (bottom)

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Dr. Jürgen Weinerth, Head of Division Rheinhütte Pumpen

The Company

As a specialist in corrosion- and wear-resistant materials, **FRIATEC AG - Division Rheinhütte Pumpen** has leading expertise in many specific areas. The company develops innovative pump technologies for the most demanding applications. The comprehensive pump range includes horizontal and vertical pumps for nearly all industries and made from metallic, plastic and ceramic materials, according to its claim “The right solution. For any fluid.”

FRIATEC AG – Division Rheinhütte Pumpen is part of FRIATEC AG in Mannheim, Germany. FRIATEC AG is a leading international specialist for corrosion and wear-resistant products and materials. FRIATEC provides innovative solutions on a global level, being active in the three areas of specialisation: connection technology for pipe systems, state-of-the-art high-performance ceramics as well as pumps for sophisticated applications.

Comprehensive know-how, intensive R&D activities and customer-oriented product implementation have been forming the very basis for the company’s successful performance on both national as well as international markets.

FRIATEC AG has been part of the ALIAXIS Group since 2003. The Group has its headquarters in Brussels, Belgium. ALIAXIS is the global leader in the manufacture and distribution of plastic pipeline systems used in construction industrial sectors and utilities.

The Group is represented by around 100 companies in 40 countries around the

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world.

FRIATEC AG today employs about 1,100 personnel, with approx. 850 of these located at our headquarters in Mannheim, Germany. The company generated a turnover of 169.3 million euro in the 2014 business year.

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