

Media Release

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Voith signs contract for Henan Tianchi pumped storage plant

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He Nan Province, China: In December 2017, Henan Tianchi Pumped Storage Co., Ltd. (Tianchi PSP) and Voith Hydro Shanghai Co., Ltd. (VHS) signed a contract to purchase equipment at the Henan Tianchi pumped storage plant site. Voith will supply four 300 MW Francis reversible pump turbines and generators and also auxiliary equipment. The power plant will have a total installed capacity 1,200 MW. The rated head of the plant is 510 meters, and the rated speed of unit is 500 rev / min.

Henan Tianchi pumped storage plant project is intended for energy storage at valley periods to make up for peak periods, frequency and phase regulation, backup for incidents and black start for the power system of the Henan Province. The contract was awarded to Voith because of their expertise in large pumped storage plants and the owner's trust in Voith's pumped storage technology. Currently, Voith has installed more than 200 pumped storage units around the world with a total installed capacity of over 25,000 MW.

According to the contract plan, the contracted equipment will be completed by December 2020. The first unit will be put into operation by the end of September 2021, and the last unit will commence commercial operation in June 2022.

About Henan Tianchi Pumped Storage Plant

Henan Tianchi Pumped Storage Co., Ltd. is a subsidiary of State Grid Xin Yuan Company Limited. The Tianchi Pumped Storage Plant is located in Mashiping Town, Nanzhao County, Nanyang City, Henan Province, at the upper reaches of Huangya River. Constructed by Henan Tianchi Pumped Storage Co., Ltd., the plant is composed of upper reservoir, water-carriage system, underground powerhouse system, lower reservoir and ground

switch station. It will be a first-class large-scale project upon completion. In addition, as part of the upgrade, oil and grease-free bearings were installed to avoid environmental damage.

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The importance of Hydropower

Renewable energy is undoubtedly the most sustainable answer to the rise in energy demand. Hydropower plays a key role in sustainable and environmentally friendly power generation and is the leading renewable source of electricity generation globally. Worldwide it makes an indispensable contribution to a stable power supply and thus to economic and social development – both in industrialized countries and in regions seeing strong growth. Since the early days of hydropower exploitation, Voith has been a leading supplier of this technology and is constantly refining and improving it.

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About Voith

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.



Caption: Representatives at the signing ceremony: Mr. Chen Qiu, Secretary of the Party committee, Vice General Manager of Henan Tianchi Pumped Storage Co., Ltd. and Mr. Tang Xu, Executive Vice President of Voith Hydro Shanghai Co., Ltd.



Caption: Group photo with all delegates

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