

# 杭州杭开新能源科技股份有限公司

# Hangzhou Hangkai New Energy Technology Co., Ltd.

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## **Company Profile**

Hangzhou Hangkai New Energy Technology Co., Ltd. (Hangkai Technology for short, stock code: 835561) is a wholly-owned subsidiary of Hangkai Group.

Established in 1958, Hangkai Group (former Hangzhou Switch Plant) has many subordinate companies, mainly including traditional manufacturing companies, technology companies and incubation high-tech companies. Hangkai Technology is a national high-tech enterprise integrating secondary water supply equipment, integrated prefabricated pump station for urban drainage, water treatment equipment, smart water affairs and other softwares and hardwares. Hangkai Technology and Grean Water (stock code: 837365), two holding subsidiaries of the Group at present, went public on National Equities Exchange and Quotations in 2016; Dewos and Fangzheng were listed on main board in a packaged way (stock code: 002196); Hoymiles Converter Technology plans to go public on the main board this year. Total output of Hangkai Group reached ¥10 billion yuan in 2016.

Hangkai Group hopes to integrate other resources dominated by Hangkai Technology on the principle of win-win cooperation and resource sharing, such as overall strength of Grean Water (undertake three water quality testing equipment subjects during the 11<sup>th</sup> and 12<sup>th</sup> Five-Year Plan with water quality analysis and equipment as the main research direction, and research achievements toxicity analyzer, particle analyzer and mobile water quality laboratory are widely used), Hoymiles Converter Technology (General manager doctor Yang Bo won the second prize of National Natural Science in January 2017. Micro inverter of Hoymiles has passed certification of a third-party authoritative testing organization of the United States with peak efficiency up to 96.7% and CEC weighted efficiency up to 96.5%, which takes the lead in the world with a great prospect along with photovoltaic power generation.) and other technology companies to promote cooperation with Shaanxi Water Affair Group in the whole industry chain and give play to their advantages to develop better products on the platform of industrial park and serve water affair system construction of the Great Northwest.

## Water Supply Equipment



## **Electric Control Equipment**





#### Photovoltaic system

- The most advanced micro inverter is applied.
- Basic equipment: photovoltaic module, micro grid -connected inverter, photovoltaic support, grid-connected distribution box, etc.
- Operating principle: solar energy is converted into DC electric energy, which is then changed into AC electric energy by micro inverter. Photovoltaic power generation system outputs electric energy for load of the building, and excess or insufficient power is automatically regulated through the power grid connected.
- Photovoltaic power generation is a technology that converts sun light energy into electric energy on the basis of photovoltaic effect.





Hangzhou Energy Research Institute Rooftop photovoltaic plant 10kW



Hangzhou Xie'an Zijun Rrooftop photovoltaic plant 22kW



Jiangsu Fremantle Lighting Technology Co., Ltd. Rooftop photovoltaic plant 2MW



Kecheng District of Quzhou city . Rooftop photovoltaic plant  $343 \rm kW$ 

#### Water quality analysis equipment

Online analysis			
GR-1501 online laser particle	GR-2110 online	GR-2116 online CODCr	GR-2126 online ammonia
	permanganate	analyzer	nitrogen analyzer
	index monitor		
GREAN <sup>10</sup>			
GR-3410 online ammonia	GR-5800 online	GR-700 multi-parameter	GR-6120 dissolved oxygen
nitrogen monitor	heavy metal	controller	analyzer
	monitor		
Laboratory instruments			-
	CERTIFICATI		
GR-1500A desktop laser	GR-4210 desktop	o CODcr, ammonia nitrogen, tota	l PDV6000plus
particle analyzer		nitrogen integrated analyzer	heavy metal tester

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