

To the Press

Press-Information

VZ CHN

Date 2003-11

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Fact Sheet: Voith in China

Facts and Figures:

12 locations in total

Voith Paper: Shanghai, Liaoyang, Kunshan, Dong Ying, Beijing

Voith Fabrics: Kunshan

Voith Turbo: Shanghai, Hong Kong, Peking, Guangzhou, Beijing

Voith Siemens Hydro Power Generation: Shanghai

In total, approximately 600 people are working for Voith in China. In the business year 2001/2002, the turnover with China amounted to approximately € 100 M, the order intake was worth approximately € 240 M.

History of Voith in China

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| 1909 | Voith delivers the first turbines to China for Shi Long Ba hydro power station in the province of Yunnan. |
| 1937 | The first Voith paper machine in China is started up at Shanghai Zhong Ban Paper. |
| 1958 | During this year, Voith delivers a total of 45 turbines and a complete paper machine to China. |
| 1965 | Voith delivers the first turbo transmission to Chinese State Railways. |

- 1979 Following China's opening to the West, Voith holds a symposium in China and makes important business contacts.
- 1985 Voith Turbo opens a subsidiary in Hong Kong.
- 1986 The first Voith automatic transmissions arrive in China for installation into eight-year-old city buses. Passengers are delighted. A new standard has been set.
- 1988 Voith Paper signs a co-operation agreement with Shanghai Paper Machinery Work and Liaoyang Paper Machinery Works. During the next few years, 12 projects (new paper machines or paper machine rebuilds) are carried out jointly.
- 1991 The turbines for the pump storage plant with the highest head in China, Yang Zhou, are supplied by Voith.
- 1994 Voith and Siemens equip Guangzhou II, the world's largest pump storage plant, with turbines and generators.
- 1994 Establishment of SHEC (Shanghai Hydro-Power Equipment Company Ltd.) a Joint-Venture of Voith, Siemens and Shanghai Electrical Machinery Manufacturing Works. The three companies each own a third of this joint enterprise.
- 1996 Voith receives the contract for the delivery of two of the world's largest paper machines at Gold East Paper in Dagang. Voith Fabrics opens a production site in Kunshan, Voith Paper starts a production site at Liaoyang.
- 1997 Three Gorges – the consortium around Voith Siemens Hydro receives the contract for the delivery of six turbines and generators for the world's most powerful hydro power station.
- 1998 Voith receives a contract for 600 axle drives and 430 Scharfenberg couplers for Line 2 of Shanghai Metro.
- 1998 Voith receives an order for a second board making machine from Hongta Group in Zhuhai, which strengthens Voith's leading position as board machine supplier in China.
- 1999 During the last five years, Voith has received orders for 19 paper machines for China.
- 2000 During the last ten years, Voith Siemens Hydro was involved in nearly all major hydro power projects in China.

- 2000 China has the world's highest potential of usable hydro power, of which only 16 per cent have been exploited by 2000. Hydro power covers 1/5 of China's energy requirements. By 2010, the volume of electricity generated from hydro power will have more than doubled.
- 2001 Voith Turbo opens a subsidiary in Shanghai which is expanded into a production site one year later.
- 2001 4.000 Voith automatic transmissions are in service in Chinese city buses.
- 2001 Voith receives an order for 416 axle drives and 270 Scharfenberg couplers for Metro Line 2 in Guangzhou. Delivery to start in 2002.
- 2001 Over the last few years, the per-capita consumption of paper in China has continuously increased and is now 29 kg per year. A further increase is expected. In comparison: in Germany, the annual per-capita consumption of paper is 225 kg
- 2002 At Gold East Paper in Dagang, a Voith paper machine achieves a speed world record with 1,524 m/min. As a result, the number of world records achieved by the two Voith fine paper machines in Dagang since 1999, grows to six.
- 2002 Voith Paper lays the foundation stone for two new service centers in Kunshan (near Shanghai) and in Dong Ying in the province of Shandong.
- 2002 Voith Siemens Hydro stages a classical concert in one of the generator stands at Three Gorges.
- 2002 Guangzhou II, the world's largest pump storage power plant whose entire electro-mechanical equipment has been supplied by Voith Siemens Hydro, is officially opened.
- 2002 Voith Turbo receives an order to the delivery of 224 Scharfenberg couplers for Metro Line 4 in Shanghai and 160 Scharfenberg couplers for Metro Line 1 in Nanjing.
- 2002 New legislation in China stipulates that all coaches have to be fitted with retarders.
- 2002 35.000 turbo transmissions are installed in locomotives and railcars in China.
- 2002 Voith Siemens Hydro receives a contract worth € 65 M for the equipment of Tai'an pump storage power plant.

- 2002 Voith Siemens Hydro increases its share in SHEC to 75 per cent. Voith Paper takes over 100% of the previous Joint-Venture company Liaoyang Paper Ltd. Co.
- 2003 Voith Siemens Hydro announces an order for Longtan hydro power station worth € 80 M
- 2003 Delivery of the first of altogether 304 Voith final drives for Shenzhen Metro.
- 2003 The Voith Turbo market share for variable-speed drives is 80%. Voith Turbo is one of the most important suppliers of components for application in the Chinese heavy industry sector.
- 2003 2000 Voith Retarders ensure safety on China's roads.
- 2003 Three Gorges – the first Voith turbine is flooded.
- 2003 By the end of this year, five new Voith paper machines will have taken up service (customers: Shandong Huatai Paper, Shandong Bohui, Jinfeng Spike Paper, Mudanjiang Hengfeng Paper, Minfeng Speciality Paper).
- 2003 SHEC is renamed Voith Siemens Hydro Power Generation Shanghai Ltd.
- 2008 Beijing will host the Olympic Summer Games – massive infrastructure projects are to be expected.
- 2009 Three Gorges will be fully operational – with 18,200 MW it will be the world's most powerful hydro power plant.
- 2010 World Expo in Shanghai

For further information please contact:

Voith AG

Corporate Press Office

Markus Woehl

Tel: +49 7321 37-2219

Fax: +49 7321 37-7107

E-Mail: markus.woehl@voith.com

www.voith.com