

## ITT Pumps Optimize China's Largest Petrochemical Facility

To help realize its objective of building the most optimized petrochemical facility in the world, an industrial giant in China turned to ITT's Goulds brand pumps to provide efficient industrial process pumps.

Strong economic growth in China has led to increased demand for petrochemical products and, as a result, several major new production facilities are under construction in the country. One of the largest of these new plants has been developed by the Shanghai SECCO Petrochemical Company, Ltd. Founded in November 2001, Shanghai SECCO is a Sino-foreign joint venture with investment by Sinopec, Shanghai Petrochemical Co. Ltd. (SPC) and BP East China Investment Co. Ltd. respectively.

The complex has been constructed in the Shanghai Chemical Industrial Park and, with a total investment of \$2.74 billion, represents one of the largest chemical ventures in China.

The SECCO complex will begin operations in 2005. Using the world's most advanced technology, combined annual production of the plant will be approximately 2.28 million tons of high quality chemical products.

Combined, this project internationally competitive production facility will produce high-quality petrochemical products supplying primarily to the domestic China market and serve as import substitutes to meet sharply increasing market demand.

### Goulds Brand Pumps Helps Optimize Plant Operations

As China moves quickly to modernize its industrial base, plant upgrades featuring efficient pump systems are crucial to process optimization. ITT China was contacted to work as a major supplier of industrial process pumps to help SECCO to realize its objective of building the most opti-



Shanghai SECCO Acrylonitrile project plant

mized petrochemical unit in the world.

In the Acrylonitrile (AN) plant, ITT has provided a total of 89 Goulds brand pumps, consisting of 55 units of model 3196 chemical process pumps, 17 units of model 3796 horizontal, ANSI chemical process pumps, 16 units of model 3620 API radially split single stage pumps, and one unit of the model 3996 vertical in-line chemical process pump. In order to meet customer's schedule, SECCO requested the ITT service team to complete the start-up and training work in a very limited period.

As noted by Cao Yun Bo, the Acrylonitrile maintenance superintendent at SECCO, "It was a heavy task to complete all the commissioning work in such a limited time. But (ITT's) Mr. Zhang Hao, along with other site engineers from LDI and SECCO worked overtime in the cold weather by the seaside." Noting the solution of a number of technical issues at the plant, Cao Yun Bo said that, "Mr. Zhang Hao, who has sufficient experience in this field, put forward many good ideas and methods while dealing with the on-site prob-

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lems. For instance, the exhaust problem of 41P3003A/B/C, the validation problem of mechanical gas rotation direction of 41P2003A/B and 41P2004A/B, rework problems resulting from the reversed rotation direction of 41P8010A, and the problem of application methods for dry gas - all of which provided SECCO with strong support."

"We are aiming to build the most optimized petrochemical unit in the world, using the most advanced petrochemical production technology and equipment. To reach this goal, SECCO needs the most reliable products. We have chosen Goulds Pumps, hoping this will prove to be our best choice", said the official in charge of SECCO project. "The good reputation of ITT in the industry and its excellent performance and service capacity in China are important reasons for us to choose ITT's Goulds brand pumps."

ITT is a world leader in the manufacture of pump systems and accessories for industrial applications including chemical processing, pulp and paper, power generation, oil refining, gas processing, mining and mineral processing and general industry.



Seen here is the SECCO Acrylonitrile project with seven ITT Goulds brand 3196 pumps.