

# China Buys Side-Scan Sonar



China's state-owned Guangdong Construction Engineering Group (GCEG) has purchased JW Fishers side-scan sonar system. The sonar is being used to map the bottom of various waterways before and after construction projects. It is providing engineers with information on the make up of the bottom (mud, sand, rock, etc.), as well as helping to locate and identify debris or any obstructions. GCEG was founded in 1953 and is the largest corporation in the province in terms of size and scale of construction projects. It consists of 38 subsidiary companies, spread throughout China and abroad with 39,000 employees and 11.5 billion yuan (US\$1.22 billion) in assets. The group is responsible for number of award-winning projects such as the Guangdong International Hotel, Guangzhou Haiyin Bridge, Shantou International Finance Hotel, Guangzhou City Mansion, and the China-Guangdong Olympic Stadium. The company has also played a key role in water conservation and hydroelectric projects including the Feilaixia Structure Project and the Dongjiang-Shenzhen Water Supply Project.

Using Fishers side-scan sonar and SONAR VIEW software, GCEG engineers are able to produce detailed maps of the bottoms of rivers, lakes, and the ocean. The sonar images can be displayed on a standard laptop computer or Fishers Splashproof PC. The SONAR VIEW software offers a wide array features including a sizing tool, allowing the sonar operator quickly determine the length, width, and height of any object. Connecting a GPS allows position coordinates to be displayed and saved with the sonar data. Clicking the mouse on any target automatically shows its position coordinates. Stored data can be replayed at any time and the sonar images edited. The system is powered by a 12 volt battery, making it highly portable and easy to deploy from a small boat.

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<https://www.hydro-international.com/content/news/china-buys-side-scan-sonar>

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