



Rehabilitation of Dongjiang Water Mains

The Dongjiang water mains are a major supply of fresh water from mainland China to Hong Kong. The existing water mains were found to have deteriorated after years in service and required rehabilitation. The Tyfo[®] Fibrwrap[®] system have passed the vigorous testing required by Water Supplies Department and is proven to be able to strengthen pipes for both fully-structural and semi-structural scenarios. In this project, rehabilitation using Tyfo[®] Fibrwrap[®] system is carried out to more than 6km of water mains, size ranging from 1200mm to 2300mm diameter.

The scope of works included the following:

- Survey for existing pipe conditions
- Pipe rehabilitation design
- Installation of the Tyfo[®] Fibrwrap[®] Composite System for pipe rehabilitation