

Rural Drinking water safety improvement - Lianyungang

Case: Rural drinking water safety improvement project of Lianyungang
Donghai water authority

PE 100+ member: Sinopec Shanghai Petrochemical Co. LTD

Author:

Period: 1 January 2020 - running

Country/Region: Donghai County, Lianyungang, Jiangsu province, China

Network owner: Donghai Water Bureau

Engineer/Installer: Lianyungang Xin yu Water Engineering Co. Ltd.

Pipe producer: Anhui Glant Advanced Material Co. Ltd.

The project was set up to secure drinking water supply for 1,24 million people in 22 towns and villages of Donghai County. Already in 2019 pipe converter Glant started to supply pipes and pipe fittings. During the progress of the project Glant delivered high quality PE 100 pipes according to project schedule. The support of the project by professional technicians guiding the construction works on site convinced the network owner, the supervisor and the construction company about the advantages of PE 100. Due to the good experience, in 2020 the project was carried out again in PE 100 granting a smooth progress of the project, finally assuring a safe drinking water supply for 1,2 million people in Donghai county.

The whole project was realised with ranges in diameter from DN 20 mm up to and including DN 315 mm. The unambiguous advantages of PE 100 helped to replace ductile iron and other traditional materials.

One further aspect for using PE 100 pipes was its competitiveness against traditional materials.

Moreover, another advantage for using PE 100 was that it has no impact on the environment throughout its lifetime.



Pipe laying near river