

Shell Nanhai CSPC Project

Case study 2003

Focus products: Interzone® 485 protecting buried pipes

Location: Zhuhai, China

Project owner: CNOOC / Shell

Applicator/fabricator: China Petroleum First and Sixth Construction Corporation; Sinopec Fourth and Tenth Construction Company; China Petroleum Jilin Chemical Engineering & Construction Co., Ltd; Japan Gasoline Company; France Technip Co.

ISO12944 environment: Im2

Background

Developed in response to the rapidly growing demand in China for petrochemicals, this project has involved one of our largest ever start-ups. The processing complex covers 2.6km² with this huge area presenting tremendous challenges for the commissioning team. This project is made up of an integrated chemicals complex with steam and electricity generation, two storage, handling and shipping facilities, and an ethylene cracker.

The solution

Interzone 485 @ 1500µm was applied to buried cooling water pipes within this project. Interzone 485 has provided excellent performance and protection for the buried pipes, even though the CSPC project is near seawater. After completion the owners decided to change all buried FRP pipes to carbon steel pipes. Interzone 485 was again applied to all the new buried pipes for long term protection.



“Interzone 485 has provided excellent performance and protection for the buried pipes”