COLD BONDING PIPE SUPPORTS WITH BELZONA

CUSTOMER
Refinery, Shaanxi, China

APPLICATION DATE
March 2017

APPLICATION SITUATION
Installation of new VOC treatment pipe rigs onto oil tanks.

PROBLEM
The Ministry of Environmental Protection in China required VOC treatment to be implemented on all oil tanks across the country. This required the customer to attach pipe rigs to the tank wall. With hot work restricted in the tank farm, a cold bonding solution was therefore chosen as an option.

PRODUCTS
Belzona 1111 (Super Metal)

SUBSTRATE
Carbon steel

APPLICATION METHOD
The application was carried out in accordance with Belzona Know-How System Leaflet TCC-6 and VPF-15. To ensure optimum bond whilst observing the safety requirements in the tank farm, surface preparation was conducted using water jet blasting equipment.

BELZONA FACTS
The conventional attachment by welding required hot work and all the tanks should be cleaned first, which is not only time consuming but also expensive (cost between £40,000 to £100,000). Belzona cold bonding technology avoids hot work and tank cleaning. The application is completed on site within two days per tank. The customer considers Belzona’s cold bonding as the most cost effective solution. Due to the success of the first 18 tanks, there will be more than 200 tanks to be upgraded in this region and more tanks in other regions.

PICTURES
1. Water jet blasting for surface preparation
2. Application on top of the tank
3. Application on tank wall in process
4. Application completed