

## BELZONA REPAIRS 42 BAR ACTIVE GAS LEAK

### CUSTOMER

Egypt

### APPLICATION DATE

2018

### APPLICATION SITUATION

Fertilizer plant gas leak was causing health and safety problems.

### PROBLEM

Natural gas active leak developed and their safety department was about to shut down the plant to repair this dangerous leakage. This gas leak was also causing a loss in pressure to the rest of the plant, reducing efficiency and output.

### PRODUCTS

Belzona 9611

Belzona 1111 (Super Metal)

### SUBSTRATE

Steel pipe

### APPLICATION METHOD

Belzona 9611 was applied into the immediate leak area with a clamp to hold it in place during curing. The application was carried out by 7 technicians at the same time due to the limited curing time. The pipe was then reinforced with Belzona 1111 to complete the repair. The application was carried out in accordance with a Belzona Know-How System Leaflet VPF-11.

### BELZONA FACTS

The only alternative to the Belzona solution would have been to shut down the plant, as this vessel was reducing gas pressure for the whole plant. A shutdown would have cost millions in lost production, so it was critical to keep the plant running. Conventional welding repairs were not an option due to the gas leak. Based on an existing relationship with the Customer, they wanted to try a cold-curing repair which worked exceptionally well. The application duration was one working day and they inspected the repair by a gas detector device.

### PICTURES

1. Pressure gauge on pipe showing 42 bar.
2. Belzona 9611 clamped down on the repair.
3. The application of Belzona 1111 underway
4. Application complete.



1.



2.



3.



4.

For more examples of *Belzona Know-How In Action*, please visit <http://khia.belzona.com>



ISO 9001:2008  
Q 09335  
ISO 14001:2004  
EMS 509612

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