

# BELZONA STOPS STRESS CORROSION CRACKING

ID: 7932

**Industry:** Oil & Gas  
**Application:** TCC-Tanks and Chemical Containment Areas  
**Substrate:** Steel  
**Products:** \* Belzona 1111 (Super Metal) ,  
 \* Belzona 1591 (Ceramik XHT) ,

**Customer Location:** Egypt  
**Application Date:** 2018

## Problem

The column was suffering from dozens of cracks due to stress corrosion cracking (SCC) and some of them were leaking.



## Photograph Descriptions

- \* 1 - The site ,
- \* 2 - The cracking ,
- \* 3 - The completed Belzona 1591 ,

## Application Situation

Production facility of an Oil & Gas company

## Application Method

Belzona 1591 was applied over the cracked areas to eliminate further cracks formation and Belzona 1111 was used to repair the leaking cracks from outside. Copper wire brush was the only suitable surface preparation tool due to the presence of flammable material. This application was completed in accordance with a modified version of Belzona System Leaflet TCC-01.

## Belzona Facts

Hot work was not an option due to flammable material inside the column and the large number of cracks. The plan was to replace the column after 6-8 months but Belzona's performance was exceptional. It stopped the leakage and no further SCC was observed. The column is still in operation after 5 years.

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

ISO 9001:2015  
 FS 695214  
 ISO 14001:2015  
 EMS 695213

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