



Project Profile - Utilities

PROJECT

Tobago Airport aviation fuel supply line

SUMMARY

External corrosion protection of 4" diameter aviation fuel pipeline prior to burying

PRODUCTS

**Cemprotec E942
Curing Membrane**

CLIENT

National Petroleum Marketing Company, Trinidad

CONTRACTOR

Trenchcoat Limited

BACKGROUND ▶

On behalf of the client, Trinidad's National Petroleum Company, an innovative solution was sought to the problem of corrosion of a buried aviation fuel supply line.

Located in soft sand in close proximity to both the coastline and swamp area, the environment is particularly aggressive leading to concern over the long term integrity of the main feed into the tank farm at Tobago Airport.

THE SOLUTION ▶

After exposing and preparing the pipeline, a 2mm layer of **Cemprotec E942** was applied directly to the steel surface to provide immediate passivation. Once cured, the **E942** forms a highly durable barrier to the fuels for corrosion, blocking out water and chlorides whilst also providing enhanced chemical resistance. **E942** exhibits good resistance to cathodic disbondment and is therefore compatible with the CP system which was installed. Following holiday detection testing, the pipe was inspected and buried to give many years of corrosion free life. **Cemprotec E942** is water-based and therefore offers an environmentally friendly alternative to traditional coatings.



FM 41091
EMS 597350
OHS 597351

Quality
Environmental
Health & Safety

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