

Petrol PLAZA

OPW, Fibrelite & KPS products specified for 20+ site Qatar upgrade programme



One of over 20 forecourt sites built during the first stage of the project | © OPW Global

Project Overview

In this case study, OPW is proud to show how their products (including the Fibrelite and KPS ranges) provided a leading Middle East oil company with a long-term underground containment and fuel transfer solution for their Qatar expansion programme (over 20 new fuelling stations) through their in-country distributor/agent Rumco.

Key requirements of this project included robust installation training and products which could stand up to the tough environmental conditions.



Vacuum testable Fibrelite GRP sumps provide a strong, durable, liquid-tight containment solution | © OPW Global



KPS piping's compact electrofusion fittings require the minimum welding time possible | © OPW Global

Problem

As part of their Qatar expansion programme, this client required a reliable long-term solution for underground containment (tank, dispenser and remote fill sumps) fuel piping, and safety valves and fittings.

A solution was required that could withstand the constant high temperatures of Qatar summers (up to 50°C+) and the corrosive environment and high water tables at most sites.

Installation training and support was also a key requirement.



Vacuum testable Fibrelite GRP sumps provided a strong, hard-wearing, liquid-tight containment solution | © OPW Global



Robust installer training was provided by OPW, including onsite support | © OPW Global

Solution

OPW, through their distributor/agent Rumco, provided an easy-install long-term solution combining Fibrelite GRP composite tank, dispenser and remote fill sumps; Fibrelite GRP manhole covers; KPS double and single wall piping; and OPW valves and fittings (overflow prevention valves, shear valves, vapour recovery/fill adaptors and caps, and pressure vacuum vents).

Robust installer training was provided by OPW, including onsite support.

OPW Products Specified for This Project

- FIBRELITE GRP COMPOSITE TANK, DISPENSER AND REMOTE FILL SUMPS

Vacuum testable Fibrelite GRP tank, dispenser and remote fill sumps provided a strong, durable, liquid-tight containment solution.

All Fibrelite GRP sumps are one-piece moulded and highly effective at preventing water ingress (preventing potential damage to equipment and water contamination to fuel). They also have a smooth surface for easy, safe manual handling and installation of entry boots.

- FIBRELITE GRP COMPOSITE MANHOLE COVERS

The industry standard on forecourts around the globe, Fibrelite GRP manhole covers are lightweight (typically a third of the weight of an equivalent-size cover produced in metal or concrete), watertight and have an inherent resistance to corrosion.

Fibrelite covers are also an excellent insulator against heat, a key feature in areas with constant high temperatures like the Middle East.

- KPS POLYETHYLENE FUEL PIPING

Conductive double and single wall KPS piping was chosen to further simplify installation. Designed for fast, easy installation, the compact KPS electrofusion fittings require the minimum welding time possible. In fact, KPS double wall fittings require fewer welds than any other system available. KPS piping can be trusted to perform year after year, with approvals including EN 14125, ATEX 137 and EN 13463-1 as well as a number of other country and fuel-specific standards.

- OPW VALVES AND FITTINGS

OPW overfill prevention valves, shear valves, vapour recovery/fill adaptors and caps, and pressure vacuum vents ensure fuel flows safely, protecting people and the environment.

All OPW products are designed and manufactured to withstand the toughest environmental and climatic conditions for the lifetime of the site.



Fibrelite GRP manhole covers are typically 1/3 of the weight of an equivalent-size metal cover | © OPW Global



Fibrelite manhole covers are an excellent insulator against heat | © OPW Global



Fibrelite spill container covers can be quickly and safely removed manually | © OPW Global

Results

The oil company (who's worked with OPW products for many years) expressed pleasure at both the quality of the products and the level of technical support provided. OPW products have since been specified for the remainder of the upgrade programme.

For More Case Studies, Visit The OPW Website Here

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