

CASE STUDY:

Military Fleet Fuelling, Suffolk, UK

KPS & Fibrelite Provide Retrofit GRP Tank Access & Piping System for UK Military Vehicle Refuelling Facility

The below ground sumps and associated fuel piping at this UK military vehicle refuelling facility were due for replacement as part of an underground risk management upgrade. The facility required a retrofit liquid tight replacement which could be fitted to their existing GRP fuel tanks.



KPS & Fibrelite provided a retrofit liquid-tight solution at this UK military refuelling facility



Custom 10m lengths of KPS straight pipe simplified installation

Key Requirements

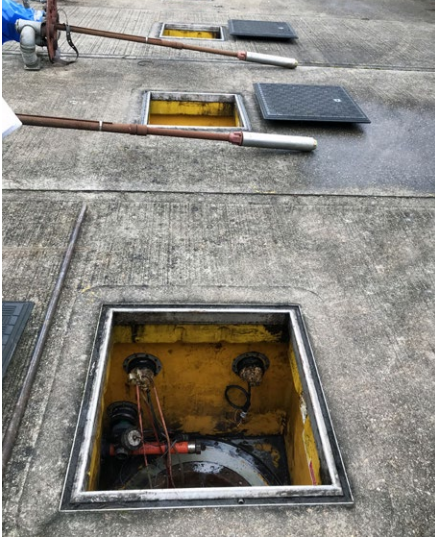
- A retrofit tank sump system which could be fitted to existing GRP fuel tanks.
- Adherence to a tight build schedule, minimising site downtime.
- Technical support including on-site surveys and installation support.
- A liquid-tight system which would last for the length of the site.
- Easy safe fast access to tank sumps.
- Fast, simple installation.
- A conductive double wall piping system for additional safety.



KPS double wall piping and Fibrelite tank sumps ensure complete containment and conductivity



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The existing installation allowed water ingress



A solution which would interface with the existing GRP fuel tanks was required



GRP chamber tank collars fibre-glassed to the GRP UST to retrofit the Fibrelite tank sumps

The KPS & Fibrelite Solution

- Fibrelite's GRP tank access collar and collar ring chamber system allowed direct connection to the existing UST's, providing a liquid-tight seal.
- Fibrelite GRP EL-T-Q510-P3-6 dispenser sumps provided a hard-wearing containment solution that will last for the lifetime of the site.
- KPS 2" (75/63 mm) conductive double wall piping and fittings in custom non-standard 10-metre lengths minimised the number of welds required.
- Lightweight Fibrelite FL90 manhole covers allow safe fast manual access to tank sumps using the Fibrelite ergonomically designed FL7A lifting handles.
- The Fibrelite and KPS technical team provided support from specification to installation including on-site installation support and vacuum testing of the sumps to ensure liquid-tightness.
- Adherence to the client's tight build schedule.
- KPS piping's installer-friendly system simplified installation, with compact electrofusion fittings which require a minimum number of welds, welding both pipe walls simultaneously.



KPS piping's installer-friendly system simplified installation



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