

Major Parisian data centre specifies KPS piping to fuel backup generators

A renowned international data centre management company required a conductive, leak free zero-permeation plastic pipe system for their new data centre in Paris, France. This system supplies diesel to the backup generators that provide electricity to the facility in case of interruption of the regular power supply. KPS piping was specified for this project to connect the diesel tanks with the backup generators on the roof, and to connect the remote fill points to the diesel tanks, providing an easy-install electrostatically safe solution.



Problem

A power outage at a facility like this could be catastrophic to the service it provides, making a reliable emergency power system critical. To solve this problem, the facility has several backup generators in case of an interruption of the regular power supply.

This French data centre required a high-performance piping system for their generators which would

allow a 933 litre/minute flow rate.

Due to the data centre's location in an urban centre, generators were installed on the roof of the building, while the fuel tanks were located below ground.

Scroll images in the carousel to see the details of the project:



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Solution

KPS' conductive double wall polyethylene piping proved a perfect solution for this data centre.

Installed following the installation of the fuel tanks and chambers, KPS' 4" (125/110mm) double wall piping was installed to connect the remote fill points (the point where fuel tankers deliver fuel) to the

below ground tanks, and KPS' 2" (75/63mm) double wall piping was installed to connect fuel tanks to metal piping running up the outside wall of the facility, and from where the metal piping terminated on the roof, to the backup power generators.

>> KEY FEATURES OF KPS PIPING FOR THIS PROJECT

- KPS 4" piping allows a flow rate of 933 litre/minute enabling fast fuel delivery
- KPS double wall piping includes an interstitial space between the inner and outer pipes, providing an extra layer of security
- Electrostatically safe (conductive), avoiding potential static build-up
- Installed by a certified professional (KPS offers an installer training and certification programme)
- Fast, simple installation (compact electrofusion fittings)
- Zero permeation: liquid/watertight
- Corrosion-free

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Results

KPS' plastic (polyethylene) pipe system provides data centres and cloud facilities like this one with reliable, safe fuel transfer solutions to supply facilities' backup generators in case of an interruption of the regular power supply.

As the use of data centres has increased, their requirements have evolved significantly. In recent years, this has led to an increasing need for efficiency, reliability, and reduced downtime risk, driving an increased focus on value over cost.

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