



Customer success story

How we helped an international Data Centre operator upgrade their generator diesel storage and transfer systems to ensure 100% uptime



The Challenge

In mid-2019 a leading international data centre operator was looking to refresh the existing diesel storage and transfer system at one of their flagship facilities in the South of England.



Existing corroding steel pipe with new Doubletrac™ pipework being installed beneath

The existing 6 x generator day-tanks, transfer pipework, pump set and leak detection infrastructure was ageing; with the single skin welded steel pipework system showing signs of corrosion and decay.

The site's location close to the coast meant that corrosion resistance of the external components was a key concern, as was environmental safety and system reliability.

The client and their facilities management partners were looking for a specialist supplier with the experience and knowledge to help them specify and source best-in-class products that would add value and ensure uptime...

The PFS Fueltec Approach

After an initial phone call, and having received and reviewed initial technical drawings, PFS Fueltec's technical sales team visited the site several times to meet face to face with the client and understand their exact requirements.

The client benefitted from our vast experience of fuel systems, gained through the work we do across multiple industries. Using a consultative approach we proposed several innovative solutions and products which had not been on the table before our involvement.

The Solution

- **Bulk tank fill cabinet:** for 2 x existing underground bulk tanks, with integral level gauging and overfill alarms
- **Duplex day-tank feed pump sets:** sized for the application, with integrated non-return valves and flow control monitoring
- **Doubletrac® pipe-in-pipe system:** fire resistant stainless steel corrugated internal pipe, with corrosion resistant nylon outer barrier layer. Zero joints or elbows required = zero leak paths & up to 30 year warranty
- **Stainless steel pipe manifolds:** for day-tank feed and gravity return, with integrated isolation and pressure relief valves
- **Class 1 leak detection system:** constant leak monitoring of the entire pipe-in-pipe system
- **Bespoke sized Day Tanks:** integrated bulk tank and generator feed and return pipework, actuated control valves and high and low fuel level electronic switches

The Results

By selecting the correct solutions and tweaking the system design up front we helped the client achieve their goals whilst adding value and reducing complexity and cost at every step of the process.

PROJECT PHOTO GALLERY



New bulk storage tank filling cabinet with integrated tank gauging & high-level overflow alarm system



1 of 2 duplex skid mounted pump-sets



Pump-sets either side of twin day-tank pipework feed manifolds



Twin pipework leak detection systems



Flexible Doubletrac® pipework system



Zero joint pipework runs, fast to install + fire and corrosion resistant.
(Note: Original steel pipework is still installed at this point due to the phased installation - you can see the corrosion)



New day tank in-situ with pipework connections finished



Speak to us and begin your journey to success today

PFS Fueltec Ltd
Unit 1 Domsey Farm,
Domsey Chase, Feering,
Essex, C05 9ES

☎ Call: +44 (0)1376 535 260

✉ Email: pfssales@pfsfueltec.com

➡ Visit: www.pfsfueltec.com