

The news that leaves you...

# Spelbound

from SPEL Products



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Issue 7

## Features

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*SPEL ESR installation*

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**Hyde Park Nurseries**  
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**HS2**  
*Britain's transport network*

**Etihad Rail**  
*Connecting key centres of trade*



Image credit: HS2 Ltd



# Prologis DIRFT III

SPEL Stormceptor ESR Range Separators for optimum SuDS Mitigation



Image Credit: prologis.co.uk

## State-of-the-art Intermodal Rail Freight Terminal protected by SPEL Products

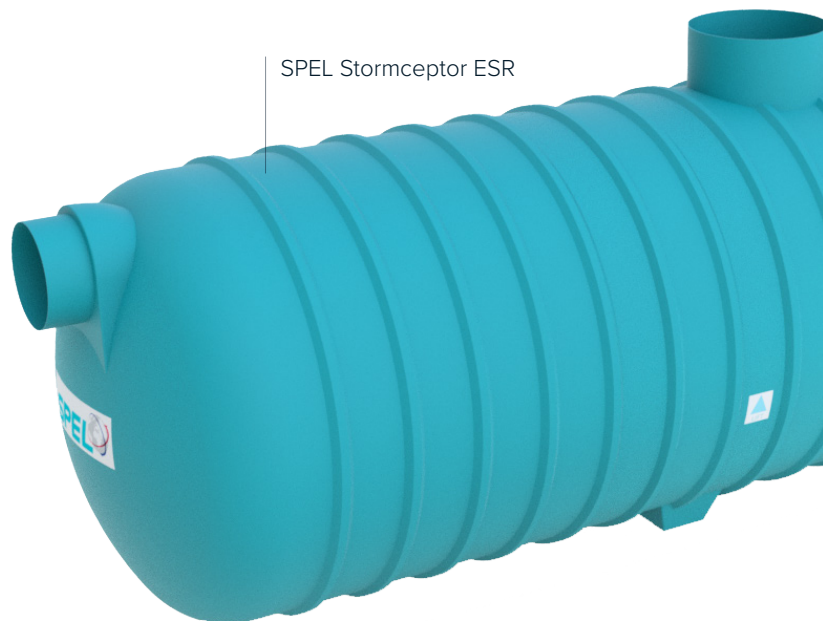
The two SPEL Stormceptor ESR Range separators installed on this important site provide SuDS mitigation indices of **TSS 0.8**, **Metals 0.6** and **Hydrocarbons 0.99** in accordance with the British Water SuDS mitigation How to Guide.

Two SPEL Puraceptors were also supplied to combine a total protection of the stormwater run-off, ensuring peace of mind and a positive move to protect our rivers, streams and coastal waters.

With three inter-modal rail freight terminals on site and direct access to major UK motorways, there is a certain risk of pollution.

The tested and proven Mitigation Indices witnessed by the Water Research Council (WRC) for the SPEL ESR Range Stormceptors make them suitable to mitigate the hazard indices for this site. Sites such as this one can benefit from having the spill and pollution risk fully mitigated in one device.

SPEL Stormceptor ESR



### Products supplied:

2 Stormceptor ESR ESR70/C1  
2 Puraceptor® P300/1CSC



# World's Largest Offshore Wind Farm

Dogger Bank Wind Farm will be capable of powering 6 million British homes

Image Credit: doggerbank.com

Dogger Bank Offshore Development Zone is located between 125 and 290km off the east coast of Yorkshire. It extends over approximately 8660km<sup>2</sup> in water depths of over 60m.

One product that SPEL are supplying to the substations fed by this impressive wind-farm is a dump tank. In this case a 150,000 litre tank that sits underground and receives rainfall from the substation.

An explosion proof DrainGuard system will pump safe rainwater out to the drain, but if an oil layer is detected the pump will stop and alarm. The large tank can then fill until investigated. Significant fuel spills, or critical transformer failures containing thousands of litres of hot oil, will be captured in this large tank and so the local environment and waterways are protected from this damaging pollution.



One rotation of GE's Haliade-X turbine can power a UK household for two days

SPEL are delighted to be part of a progressive project such as this one. With construction starting back in 2010, this ongoing project will provide clean, renewable energy to 4.5 million homes, contributing significantly to UK climate change targets for the UK.



SPEL were involved in the onshore works, supplying separators and a spill tank to site.

#### Products supplied:

SPEL Puraceptor® P015/1CSC  
SPEL Puraceptor® P004/1CSC

SPEL Tankstor® Underground  
Cesspool Tank 18,200L



# Hyde Park Nurseries

Project Progress: Installation Phase vs. Today



## £5M hi-tech 'super nursery'

The Royal Parks Charity opened the 'super nursery' at the heart of London's Hyde Park. Its primary use is to handle the growth of 450,000 bedding plants and shrubs that are used as part of the displays across eight London parks, including the famous floral display in front of Buckingham Palace.

Grown here are the scarlet pelargoniums that are uniquely matched to the exact colour of The Queen's Guard at Buckingham Palace.

42,000 litres of storage capacity has been provided by SPEL tanks. These tanks harvest rainwater to an environmental advantage where potable water is not required.



March 2017



Tailored pipe system

With the UK weather being notoriously wet, it seems only logical to store and make use of the excess rainwater. Once collected, the stored water is sprayed onto the plants, whilst being carefully combined with a tailored mix of fertiliser and plant food to ensure optimum quality and growth.



Today



# Paultons Park

Sewage Treatment for the UK's Number 1 Family Theme Park



Paultons Park is an amusement park located within the New Forest National Park. It is home to The Peppa Pig World themed resort and has over 70 rides and attractions.

The park in total covers 140 acres of land with an impressive collection of around 80 species of birds and animals.

SPEL have provided a sewage treatment plant on site to be installed as part of a new on-site office development. SPEL Sewage Treatment Plants (STP) can treat from 100 population equivalent (PE) to 4,000 PE.

SPEL STP Tanks are designed with developers and installers in mind. All tanks are designed using robust GRP and invert depths can be provided to suit the installation.

These easily installed units work efficiently to ensure a high level of water quality discharging from site, keeping valuable sites like Paulton's Park fully compliant.



**PROJECT TYPE**  
Sewage Treatment



**LOCATION**  
New Forest



**PRODUCT SUPPLIED**  
Sewage Treatment Plant  
400 Series, 80000 L

Image credit: Paulton's Park

# HS2 (Phase 1)

Forming the backbone of Britain's transport network

SPEL have provided various products and systems throughout the HS2 network. With over 55 years of industry knowledge we are delighted to be part of the progression taking place in this monumental development.

HS2 will serve over 25 stations which will connect around 30 million people. The improvements on the existing network serving stations to Scotland will create 500,000 jobs and 90,000 homes around the new and existing HS2 stations.

Several SPEL Puraceptors® and Stormceptors® were provided along the Phase 1 network. SPEL Separators are designed in reinforced plastic (GRP) to a very high specification utilising the latest technology in filament winding.

**SPEL Stormceptors®** are used globally on all types of applications. Areas up to 55 hectares can be covered with a single unit.

**SPEL Puraceptors®** are suitable for sites with high risk oil/fuel storage and handling areas and rail maintenance yards, making them an obvious choice to protect the stations along the HS2 network.

## SPEL Tank Locations | HS2



### A selection of products supplied so far:

#### SPEL Puraceptors®

- 1 SPEL Puraceptor P006/1CSC
- 1 SPEL Puraceptor P010/1CSC
- 1 SPEL Puraceptor P200/1CSC
- 1 SPEL Puraceptor P030/1CSC
- 1 SPEL Puraceptor P006/1CSC
- 1 SPEL Puraceptor P600/1CSC
- 1 SPEL Puraceptor P065/1CSC

#### SPEL Stormceptor®

- 1 SPEL Stormceptor 340/SC
- 1 SPEL Stormceptor 5200/SC
- 2 SPEL Stormceptor 215/SC
- 1 SPEL Stormceptor 410/SC
- 1 SPEL Stormceptor 206/SC
- 1 SPEL Stormceptor 470/SC

#### Vertical Package Pumping Stations

- 1 VPPS 220
- 1 VPPS 245 XHVV

#### SPEL Tankstor®

- 1 SPEL Tankstor 400 Series



# Etihad Rail Stage 2 & 3

Connecting the UAE's key centres of trade



**PROJECT SCOPE**  
600km+ Expansion



**LOCATION**  
Dubai



## Products Supplied:

1 SPEL Puraceptor® P600/1CSC  
2 SPEL Puraceptor® P400/1CSC  
1 SPEL Puraceptor® P050/1CSC  
1 SPEL Puraceptor® P250/1CSC  
1 SPEL Stormceptor® 215C1/SC  
1 SPEL Stormceptor® 206C1/SC  
1 SPEL Puraceptor® FP1C/SC

Image Credit: etihadrail.ae

The Etihad Railway is intended to contribute to the modernisation of the UAE's freight (road) transport distribution systems. This will help by linking its ports, population centres, sources of raw materials and industry by rail.

The Etihad Rail Network comprises a proposed railway network, which will link freight facilities and passenger stations, and form a part of the planned Gulf Cooperation Council (GCC) railway network.

The railway will run from the Saudi Arabian border, via or close to the cities of the Gulf coast, to the Northern Emirates and the East coast.

As of now, the Etihad Rail network is planned to be developed in four main stages.

SPEL have supplied Puraceptor and Stormceptor systems to Stage 2 and 3 of the development. With a wealth of experience and several successful projects completed throughout the Middle East, we are pleased to have been selected to provide our products and expertise to this key project.

Extra support is provided with our Middle East agents who are close site liaisons for real-time guidance as and when it is needed.

## Operation 322

### in aid of Ukrainian refugees

In response to the unfolding crisis in Ukraine, RRT, a charity who SPEL are glad to donate to, has launched Operation 322 to deliver emergency food, essential baby supplies, water and hygiene products to those displaced by this humanitarian crisis.



RRT volunteers in the United Kingdom, Germany, France and Sweden are working together to provide much needed aid to the people of Ukraine. With essential food and personal care products in high demand, RRT has loaded lorries filled with Food Boxes containing non-perishable food items, Care Kits equipped with personal care products, Baby Care Kits filled with formula and nappies, bottled water and blankets.



£250,000 reached in 20 hrs  
New target of £1,000,000 met



28 truckloads of essential supplies to Ukrainian refugee camps



Food boxes, care kits, baby care kits, bottled water & blankets



Quality food & refreshments provided by RRT

### Donate

Visit <https://rapidreliefteam.enthouse.com/cf/operation-322> to put your **compassion into action** and to assist the people of Ukraine.

For more information visit:  
[rrtglobal.org](http://rrtglobal.org)