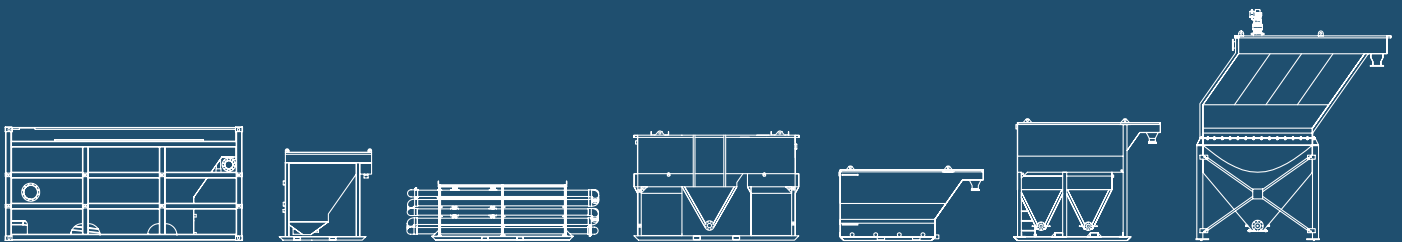




# Effluent treatment in the Food & Drink Industry



**Hire, Sales & Technical Support**

# Capability Statement

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## Heinz

### Rapid response

H J Heinz Kitt Green, Europe's largest food-processing complex, required a temporary effluent treatment solution when the site experienced an increased level of chemical oxygen demand (COD) which was in danger of compromising the site's effluent discharge consent.

SPS supplied a D100 lamella DAF unit to the complex, as well as a pipe flocculator, chemical dosing equipment, a polymer make-up kit and a 4m<sup>3</sup> sludge holding tank with a variable speed sludge transfer pump.

Extremely fast mobilization by SPS solved the problem, resulting in the successful treatment of effluent onsite within two days.



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## Chocolate Manufacturing Site

### Reducing energy and water consumption



SPS was called in by a well-known, global brand to explore ways of reducing loading of its effluent treatment plant at one of its chocolate manufacturing sites.

After careful plant analysis, SPS utilised a D50 packaged lamella DAF unit with pipe flocculator and chemical dosing, to considerably reduce loading.

The installation phase of this project was completed in just two weeks, to meet the client's tight timescale

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## Premier Foods

### Lightening the load during peak production

The effluent treatment plant at Premier Foods' Ambrosia Creamery in Lifton, Devon, has experienced overloading in the run up to Christmas each year, so Premier Foods sought assistance from SPS.

SPS temporarily installed a D100 packaged lamella DAF plant to tackle overloading and reduce operating costs.

This reduced the COD on the biological treatment stage by about 30 per cent, ensuring a stable operation with vastly reduced operating costs and compliance with discharge consents.





## J H Lamberts Ltd

### Developing a world class abattoir

J H Lamberts, part of C&K Group, approached SPS to help it meet planning conditions for its new multi-million-pound abattoir in Suffolk.

SPS provided a 40ft containerised treatment plant, including a feed pump, three stage reaction tank, D5 lamella DAF unit, chemical dosing systems, sludge pump, control panel and designated secure chemical storage. A 40m<sup>3</sup> balance tank, above ground pump sump, and screening were also installed.

The complete system from SPS treats 50m<sup>3</sup> of effluent per day, enabling compliance with planning conditions and discharge to sewer consent limits.



## Chivas Brothers

### Achieving effluent discharge compliance

Chivas Brothers, the internationally renowned distillers, sought to enhance the capacity and performance of its effluent treatment plants in order to ensure compliance with tightening discharge consents, while accommodating increasing production volumes.

SPS supplied four Packaged Lamella DAF units to Chivas Brothers, including two D25 units at the Glenlivet distillery to alleviate pressure on the settlement tanks and one DAF unit each at Aberlour and Glenallachie to reduce suspended solids and copper concentrations. A fifth unit has recently been supplied, this time at the newly refurbished Tormore distillery.

The SPS DAF units have significantly enhanced the performance of Chivas Brothers' effluent treatment operations, proving their worth in ensuring discharge compliance for both new and old treatment plants.



## First Milk

### Effluent plant switch over

The effluent treatment plant at First Milk's Haverfordwest Creamery in Pembrokeshire needed to be upgraded during a busy period without affecting production.

With limited space available on the site, SPS installed a compact lamella D100 DAF unit within the space of a week.

The final switch over was achieved in a matter of hours, ensuring no loss of production time.





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