

# GREENCORE, BOW



Greencore Food to Go produce sandwiches and complementary food to go products at their site in Bow, East London. FLI CAP Technology had already successfully delivered two projects within the Greencore Food to Go business in the London area. In 2019 we were awarded this contract to construction a third project to treat the effluent produced at their Bow site. The contract was a full turnkey project under the CDM regulations. It included a raw effluent screening station at the front of the site, transfer of effluent to the ETP located over 300 m away, balancing, DAF clarification before the treated effluent was returned to the sewer connection via a monitoring station.

**CLIENT:** GREENCORE FOOD TO GO PLC  
**LOCATION:** BOW, LONDON  
**PROJECT VALUE:** CONFIDENTIAL  
**DURATION:** 1 YEAR  
**SERVICES PROVIDED:** TURNKEY PROJECT INCLUDING DESIGN, ALL CIVIL WORKS, M&E INSTALLATION



## FLI CAP Technology Role:

The project included all aspects of the design, scope of supply, M&E installation and commissioning of the project. It also included all civils works.

All trade effluent drains flowed to a collection sump at the front of the factory where a temporary plant had been installed. This was not capable of meeting the consent conditions imposed by Thames Water Plc. As there was no available space and it was not desirable to operate an effluent treatment plant at the front of the factory, it was decided to provide a screening station within a purpose built building by the raw effluent sump, then transfer screened effluent to a more appropriate location at the rear. Over 300 m of stainless steel pipe was installed around the perimeter of the site.

A 80 m<sup>3</sup> aerated balance tank was constructed inside a containment bund. A DAF plant designed to process effluent at a rate of 15 m<sup>3</sup>/hour was installed within a dedicated ETP building. All associated chemical storage, preparation and dosing facilities were provided. Treated effluent was then returned to a monitoring station before discharge into the sewer.

The plant was designed for minimal operator intervention, all being fully automatic through a central plc control system with alarm and monitoring capability being relayed to the main factory.

The project was undertaken throughout the current Covid crisis. With careful management it was delivered safely without incident in these challenging times. It was completed on budget within the agreed time schedule.