

CASE STUDY

Hull Saltend



The issue

Odour Issues

Located in Saltend, Yorkshire Water's Hull WwTW provides sewage treatment for a population equivalent to over 1 million people.

The refurbishment of the sludge treatment facility required the detailed design and construction of a new elevated inlet works for the preliminary treatment of raw sewage flow to full treatment of 2000 l/s as well as the refurbishment of the existing sludge treatment facility.

Sludge is a bi-product of waste water treatment and the anaerobic digestion process produces bio-gas which

is used to fuel a combined heat and power engine which heats water for the process and generates electricity. This electricity will be used to power the site, and any surplus electricity will be transferred to the electricity grid. The site processes 40 million gallons of sewage and industrial waste every day and the brief was to resolve odour problems, which had been ongoing for over a decade.



The solution

Energy reduction

Suprafil's innovative aeration solution delivered a 50% energy reduction once work had been completed at Hull Saltend Sewage Treatment Works.



The result

Quick turnaround to resolve the issue

The £2.2million contract, which was our largest to date, required a quick-turn around and was delivered on time in May 2016 for client Yorkshire Water.