

CASE STUDY



Mogden STW - Thames Water Surplus Activated Sludge Thickening ODOUR CONTROL SYSTEM



What was the problem?

Provide a system to remove odours produced by the newly constructed Surplus Activated Sludge Thickening System at Mogden Sewage Treatment Works.



How did OSIL approach the challenge?

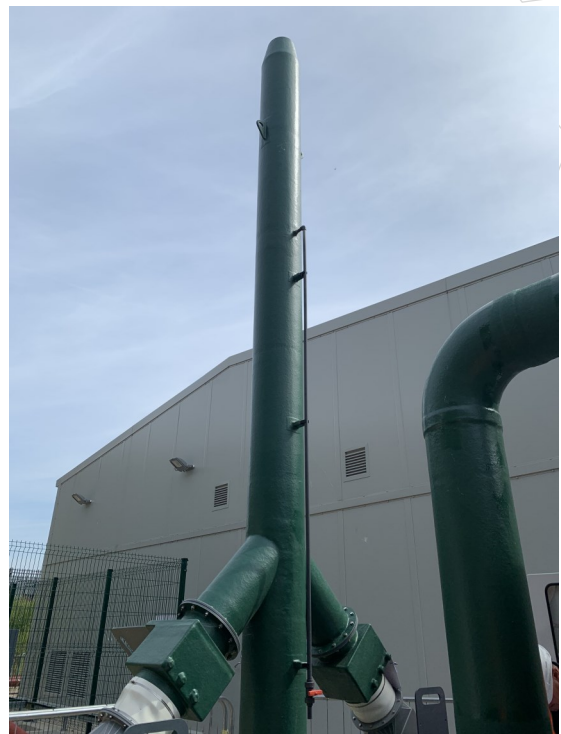
OSIL designed and manufactured a CuCarb® Odour Control System including fans, ductwork, exhaust stack, local control panel, instrumentation along with connecting ductwork and supports to 6 (Six) gravity belt thickening machines inside the new SAS building.

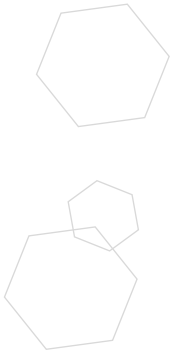
The challenge was designing a simple system that could overcome the difficult space requirements within the SAS building.



Delivering the Solution

Whilst the installation of the Odour Control Unit was straightforward due to OSIL's vast experience in this area, installation of the internal ducting proved more of a challenge as ducting had to be installed above installed tanks at a high level with limited space to manoeuvre. The solution was to erect mobile access towers/ladder system to allow easy and safe access. OSIL sought the expertise of GAP Hire Group who undertook a site survey with OSIL to determine a safe & practical solution for access to the odour control connection points on top of the Gravity Belt Thickeners.





How did the Client win?

Thames Water now have a fully operational Odour Control System on their new SAS Thickener System. Odour levels are reduced to a guaranteed required standard of no greater 1000 OUE/m3.

The system is based on a fully automatic Duty/Standby fan system to ensure that the unit is running efficiently 24 hours a day.

Monthly service and maintenance plans have been implemented to ensure that the system is functioning as designed.



Testimonial

We do not have a specific testimonial. However, we believe our works to have been well received due to the ongoing award of service & maintenance OSIL have received since installing the system for Eight20.

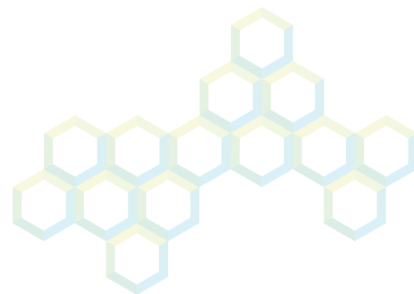


Downloadable content

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[Service & Maintenance Brochure](#)

[LavaRok Media Data Sheet](#)



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