



## Mogden STW - Thames Water

### Surplus Activated Sludge Thickening

### ODOUR CONTROL SYSTEM



#### What was the problem?

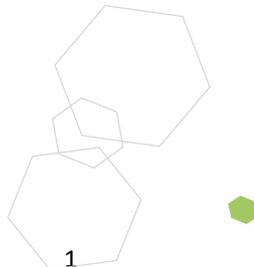
Provide a system to remove odours produced by the newly constructed Surplus Activated Sludge Thickening System at Mogden Sewage Treatment Works.



#### 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.

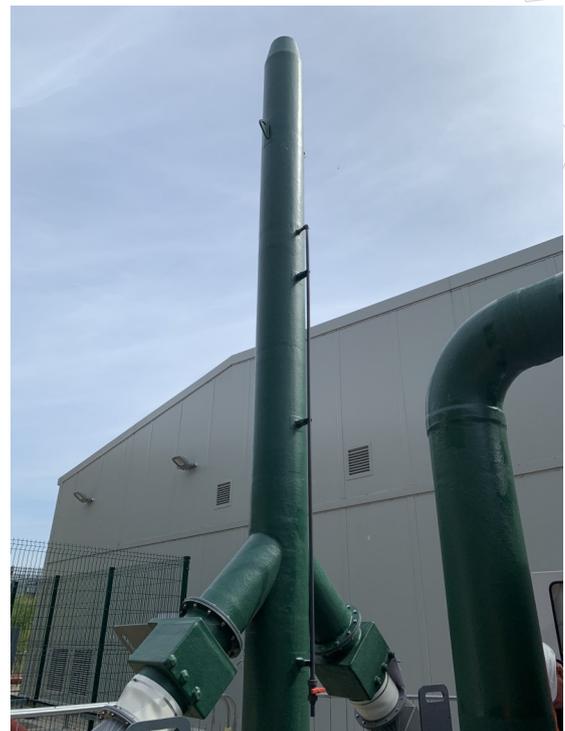
The challenge was designing a simple system that could overcome the difficult space requirements within the SAS building.

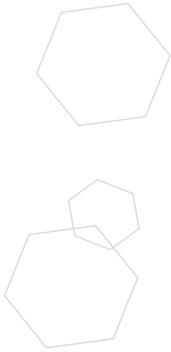




## Delivering the Solution

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 Thickeners 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.

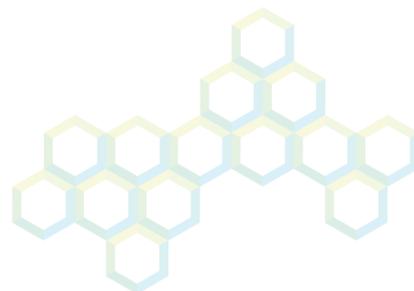


### Downloadable content

[OSIL Brochure](#)

[Service & Maintenance Brochure](#)

[LavaRok Media Data Sheet](#)



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