

Matthew Smyth, Aqua Enviro BSc, MRes, Exec MBA, MCiwm, CSci

Matt is Associate Technical Director at Aqua Enviro. Matt's expertise spans the domestic, industrial and organic resource sectors. His role includes troubleshooting and optimising digesters, as such he encounters and resolves common operational problems, including:

- digester foaming;
- poor mixing leading to digester stratification and short circuiting;
- inhibition/toxicity events;
- under and overloaded digesters;
- underperforming dewatering assets; and
- liquor treatment.



In the industrial sector he is involved with multiple sites wishing to install short retention time AD systems to reduce Mogden charges, generate renewable energy and with the potential for water reuse. For waste AD, Matt works with a number of merchant anaerobic digestion facilities in the UK where he optimises the balance between gate fee, digestate costs and energy generation. And finally, for the water companies Matt has been involved with numerous thermal hydrolysis plants including Bran Sands, Howdon, Davyhulme, Riverside, Cotton Valley, Longreach, Cardiff and Afan.

Matt has project managed a number of WRAP contracts including: 'Optimising the Value of Digestate and Digestion systems', 'Phosphorus Recovery from Organic Waste' and the training course 'Improving Operations at AD Facilities', which has been delivered to in excess of 350 industry professionals and The Environment Agency over the past 4 years.