

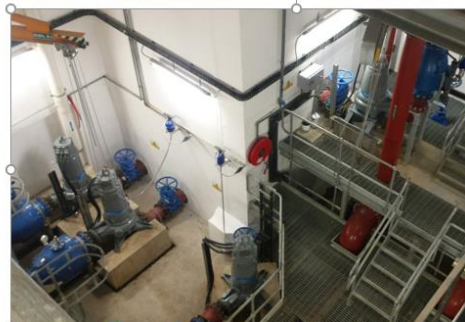
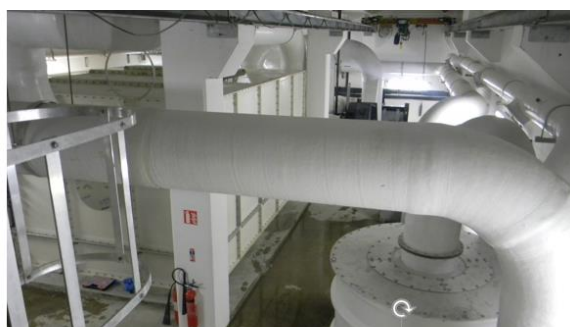
Mónashell

Case Study



“Anua Clean Air International offer proven, patented clean air bio-technologies, which provide best-in-class process performance with the lowest utility and life cycle costs”

Product	Mónashell Single Stage & GAC Polishing Filter	
Industry	Municipal Wastewater	
Site Location	Dublin, Ireland	
Application	Pumping Station	
Year System Installed	2012	
Air Volume Being Treated	5,500 – 17,700 m ³ /hr	
Plant Dimensions [l x b x h]	6.25m x 5.03m x 3.05m	
Volume of Media	56 m ³	
Typical Media Life	> 5 years	
Compound Being Treated	Inlet Concentration Range	Removal Efficiency
Odour	0 - 500 OU _E	98% +
H₂S	2 - 20ppm	99% +



Anua Clean Air International Limited.
Maynooth Works, NUIM, Maynooth, W23 F2H6 Co. Kildare, Ireland
T: +353 45 579 783 W: www.anuacleanair.com

Anua Clean Air UK Limited.
Unit 2 Mansfield Park, Hawick, TD9 8AJ, Scotland
T: +44 1450 420017 W: www.anuacleanair.co.uk

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Product	2 No. Mónashell Dual Pass OCU's	
Industry	Municipal Wastewater	
Site Location	Cavan, Ireland	
Application	Wastewater Treatment Plant	
Year System Installed	2014	
Air Volume Being Treated	6,700 m ³ /hr Each	
Plant Dimensions [l x b x h]	6.1 m x 2.5m x 2.7m	
Volume of Media	45 m ³ /Unit	
Typical Media Life	> 5 years	
Compound Being Treated	Inlet Concentration Range	Removal Efficiency
Odour	1000 - 50,000 OU _E	98%
H₂S	0 - 10ppm	> 99%
VOC's	70 - 100 mgC/m ³	> 50%



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Product	Single Pass & GAC Polishing Filter	
Industry	Municipal Wastewater	
Site Location	Crossness, London	
Application	STW's - Primary Treatment	
Year System Installed	2014	
Air Volume Being Treated	30,420 m ³ /hr	
Plant Dimensions [l x b x h]	11.13m x 9.91m x 2.59m	
Volume of Media	203 m ³	
Typical Media Life	>5 years	
Compound Being Treated	Inlet Concentration Range	Removal Efficiency
Odour	10,000 – 30,000 OU _E	> 99.9%
H₂S	15 - 50ppm	> 95%



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Product	CrumRubber/Monashell Triple Pass Hybrid OCU	
Industry	Municipal Wastewater	
Site Location	Dublin, Ireland	
Application	Treatment of High Levels of H ₂ S from the Sludge Centrifuges.	
Year System Installed	2014	
Air Volume Being Treated	10,000 m ³ /hr	
Plant Dimensions [l x b x h]	CrumRubber [Stage 1] [7.5 m x 5 m x 3.8 m] Mónashell [Stages 2 & 3] 14.8m x 5 m x 3.8 m	
Volume of Media	321 m ³	
Typical Expected Media Life	> 7 years [Stage 1] 2 Years Stage [2 and 3]	
Compound Being Treated	Inlet Concentration Range	Removal Efficiency
Odour	1,044,000 OU _E	99% +
H₂S	50 - 505ppm (950ppm Peak)	98% +

