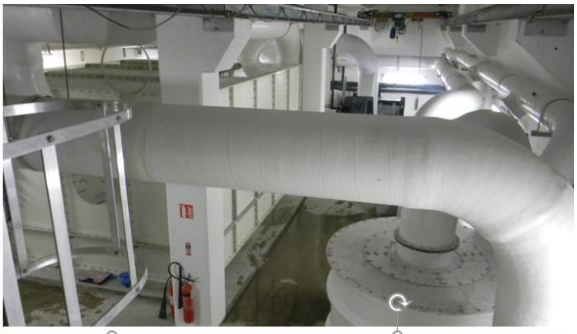
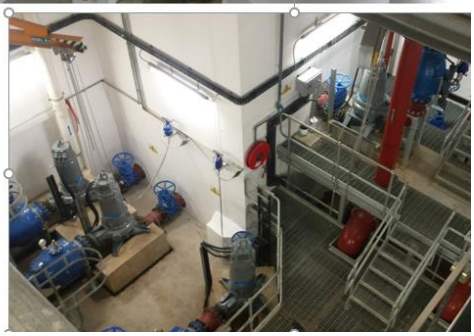
Mónashell
Case Study

"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% +
H_2S	2 - 20ppm	99% +

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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%
H_2S	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%
H_2S	15 - 50ppm	> 95%

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CrumRubber/Mónashell
Case Study

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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_2S 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% +
H_2S	50 - 505ppm (950ppm Peak)	98% +

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