

**“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”**

<b>Product</b>	Mónafil	
<b>Industry</b>	Rendering	
<b>Site Location</b>	Madrid, Spain	
<b>Application</b>	Rendering (Beef) Cat. 1, Cat. 3	
<b>Year System Installed</b>	2007	
<b>Air Volume Being Treated</b>	40,000 - 80,000 m <sup>3</sup> /hr	
<b>Plant Dimensions [l x b x h]</b>	16m x 16m x 3.2m	
<b>Volume of Media</b>	520 m <sup>3</sup>	
<b>Typical Media Life</b>	> 10 years	
<b>Compound Being Treated</b>	<b>Inlet Concentration Range</b>	<b>Removal Efficiency</b>
<b>Odour</b>	1000 - 10,000 OUE	75% - 98%*
<b>Amines</b>	0 - 5 mg/m <sup>3</sup>	90% +
<b>Ammonia</b>	0 - 20 mg/m <sup>3</sup>	95% +

\* *Dependant on Contact Time Applied*



# Mónafil

## Case Study



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<b>Product</b>	Mónafil	
<b>Industry</b>	Composting	
<b>Site Location</b>	Nice, France	
<b>Application</b>	Municipal Solid Waste Composting	
<b>Year System Installed</b>	2010	
<b>Air Volume Being Treated</b>	144,000 m <sup>3</sup> /hr	
<b>Plant Dimensions [l x b x h]</b>	30m x 30m x 3.2m	
<b>Volume of Media</b>	1,800 m <sup>3</sup>	
<b>Typical Media Life</b>	> 7 years	
<b>Compound Being Treated</b>	<b>Inlet Concentration Range</b>	<b>Removal Efficiency</b>
<b>Odour</b>	1000 - 20,000 OUE	98% +
<b>H<sub>2</sub>S</b>	10 mg/m <sup>3</sup>	99% +
<b>VOC's</b>	50 - 200 mgC/m <sup>3</sup>	80% +



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<b>Product</b>	Mónafil	
<b>Industry</b>	Composting	
<b>Site Location</b>	Barcelona, Spain	
<b>Application</b>	Composting Plant	
<b>Year System Installed</b>	2009	
<b>Air Volume Being Treated</b>	300,000 m <sup>3</sup> /hr	
<b>Plant Dimensions [l x b x h]</b>	39m x 39m x 3.2m	
<b>Volume of Media</b>	3,000 m <sup>3</sup>	
<b>Typical Media Life</b>	> 7 years	
<b>Compound Being Treated</b>	<b>Inlet Concentration Range</b>	<b>Removal Efficiency</b>
<b>Odour</b>	< 40,000 OUE/m <sup>3</sup>	98% +



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<b>Product</b>	Mónafil	
<b>Industry</b>	Rendering	
<b>Site Location</b>	Avellino, Italy	
<b>Application</b>	Rendering (Beef)	
<b>Year System Installed</b>	2012	
<b>Air Volume Being Treated</b>	23,450 – 57,500 m <sup>3</sup> /hr	
<b>Plant Dimensions [l x b x h]</b>	14m x 14m x 3.2m	
<b>Volume of Media</b>	390 m <sup>3</sup>	
<b>Typical Media Life</b>	> 5 Years	
<b>Compound Being Treated</b>	<b>Inlet Concentration Range</b>	<b>Removal Efficiency</b>
<b>Odour</b>	1000 - 10,000 OUE	> 90%*

\* *Dependant on Contact Time Applied*

