

## ABOUT US

FogBusters™ technology has now arrived in North America!

The FogBuster System represents a breakthrough in treating process effluents containing high levels of fats, oils or greases (FOG). It can be applied in a variety of situations where FOG is produced, such as the food industry. FogBuster removes FOG and other impurities more efficiently and economically than any conventional system. This elegantly simple system gets wastewater cleaner than ever before...at a lower cost...with less labor...less maintenance...and greater reliability!

FogBuster units have had tremendous success in Europe in Industrial and Institutional applications. Our clients include major Meat and Poultry, Snack Foods, Oils and Spreads, Biofuels and many other industries. The extracted "FOG" is often 99% pure and readily marketable for biofuels feedstock, earning \$0.15/lb or more. The resulting de-oiled effluent is frequently under 100 mg/l FOG, significantly enhancing downstream process efficiencies, or often ready for direct sewer discharge.

## FEATURES

- Easy to install and evaluate without disrupting ongoing operations.
- High effluent throughput (from 10 to 600 GPM).
- Modular design for larger volumes or separate applications.
- Handles lard, margarine, palm oil and other "problem oils".
- Small footprint (400 GPM unit is only 18'L x 8'W), fully skid mounted, indoor/outdoor use.
- FDA, USDA approved components to recapture valuable by-product.
- Works at any pH.
- Proven installations in many food processing sectors.

## Solutions for Sustainability

### CONCERNS

Do you have:

- Challenging FOG, BOD, COD and TSS?
- High operating costs, surcharges, penalties?
- High labor and maintenance costs at WWTP?
- Complicated and inefficient treatment systems?

### NEEDS

Would you like to:

- Lower operating costs?
- Reduce or eliminate sludge disposal?
- Improve carbon footprint?
- Generate \$\$\$ from your oily effluent?
- Simplify process effluent management?

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**FOGBUSTERS, INC.**

# ▶ Technology and Applications

FogBusters' superior performance stems from its unique and elegant design. Unlike DAF and other complex mechanical separators, FogBusters extracts emulsified contaminants hydraulically. Separation occurs without any mechanized parts...minimizing maintenance and increasing reliability. FogBusters uses no agitators, skimmers or chemicals. The result is an improved carbon footprint solution based on four significant environmental advantages: cleaner water, no chemicals, no sludge and a by-product that is marketable as biofuel feedstock.

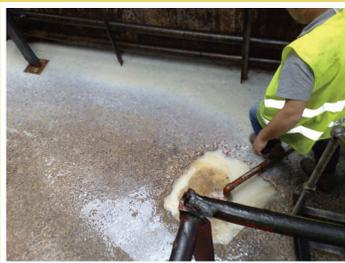
Breakthrough technology delivering superior economics and sustainability!



Oil side



Water side



Before



After

## SUCCESS STORIES

Application	Problem	Installation Benefits
<b>Chicken Roasting</b>	<ul style="list-style-type: none"> <li>• High maintenance cost</li> <li>• Low efficiency</li> <li>• Compliance</li> </ul>	<ul style="list-style-type: none"> <li>• \$45,000/yr savings in sludge disposal</li> <li>• 80% reduction of surcharges</li> <li>• \$8,500/mo recovered fat revenue</li> </ul>
<b>Chocolate Processing</b>	<ul style="list-style-type: none"> <li>• High maintenance cost</li> <li>• Frequent pipe plugging</li> <li>• Compliance</li> </ul>	<ul style="list-style-type: none"> <li>• FOG under 60 mg/l</li> <li>• No pipe cleaning needed</li> <li>• Minimized operator intervention</li> </ul>
<b>Biscuit Bakery</b>	<ul style="list-style-type: none"> <li>• High operating costs</li> <li>• Compliance</li> </ul>	<ul style="list-style-type: none"> <li>• Eliminated chemicals</li> <li>• FOG under 100 mg/l</li> <li>• Minimal supervision</li> </ul>
<b>Edible Oils Plant</b>	<ul style="list-style-type: none"> <li>• Frequent violations</li> <li>• Under cease &amp; desist order</li> <li>• Unmanageable and aging plant</li> </ul>	<ul style="list-style-type: none"> <li>• \$4,500/wk recovered fat revenue</li> <li>• Consistently under compliance</li> <li>• Eliminated fines</li> </ul>
<b>Snack Foods Plant</b>	<ul style="list-style-type: none"> <li>• Needed two pH adjustments</li> <li>• High O&amp;M costs</li> <li>• Frequent upsets</li> <li>• Compliance</li> </ul>	<ul style="list-style-type: none"> <li>• No pH adjustment needed</li> <li>• FOG under 100 mg/l</li> <li>• 85% reduction of surcharges</li> <li>• \$115,000/yr savings in chemicals</li> <li>• \$80,000/yr revenue from oil</li> </ul>
<b>Meat Preparation</b>	<ul style="list-style-type: none"> <li>• High cooker downtime</li> <li>• Sanitation taking too long</li> <li>• High O&amp;M cost</li> </ul>	<ul style="list-style-type: none"> <li>• 75% Improvement in productivity</li> <li>• Eliminated fat haul-off cost of \$80/ton</li> <li>• \$2,250/week recovered fat revenue</li> </ul>

Say goodbye to:

- ~~X~~ Chemical Costs
- ~~X~~ Sludge disposal
- ~~X~~ Upsets
- ~~X~~ Fines
- ~~X~~ Complications
- ~~X~~ pH Problems

**SLUDGE**



Say hello to:

- ✓✓✓✓ Simplicity
- ✓✓✓✓ Sustainability
- ✓✓✓✓ Oil revenue
- ✓✓✓✓ No sludge
- ✓✓✓✓ No chemicals
- ✓✓✓✓ Compact size

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