



Vekkos Cornelius

Import and Trade Of Eco Garden Supplies

POWER YOUR FACILITY WITH YOUR WASTE VEGETABLE OIL!

The CHiP combined heat and power system turns your waste vegetable oil into electricity and hot water on your site. The fully automated equipment is located on your site meaning you never need to worry about an overflowing oil barrel, a missed collection, or the mess associated with oil storage ever again. The best part is that you get the direct benefit of lower energy bills and Renewable Obligation Certificates (ROCs), as well as eliminating your waste oil disposal bills! Just put your waste oil into the system and the CHiP does the rest!

CHiP FEATURES

- Make money from every litre of waste oil you dispose of
- Automated production of electricity and hot water
- Seamless integration into your existing services
- Automated waste oil cleaning and processing
- Remote monitoring capability
- Worry free maintenance
- Compact onsite unit
- Quiet Operation – 55 dba
- No capital expenditure
- Range of size to suit your waste oil – 200 litres/week upwards



YOUR BENEFITS

- Reduced electricity costs
- Reduced hot water energy costs
- Eliminates waste oil collection and disposal costs
- Reduces fees associated with grease traps
- Reduces vermin associated with waste oil drums
- Become a more sustainable business

ENVIRONMENTAL BENEFITS

- Reduced waste transportation related CO₂ emissions
- Elimination of waste streams associated with Biodiesel production
- Reduced waste in landfills and sewerage facilities
- Reduced carbon footprint
- Local electricity generation eliminates grid losses and increases reliability
- Reduced CO₂, NO_x and mercury emissions from electricity generation plants
- Earn Renewable Obligation Certificates (ROCs)
- Reduce the dependence on fossil fuels

TECHNICAL SPECIFICATIONS

Size (10Kw)	Depth	1.0m
	Width	2.0m
	Height	1.8m
Electrical	Input	Single phase 240v 16amps
	Output	220/240/380/415 Volt AC 50Hz single or 3 phase
Size:	10kW upwards	
Oil Consumption/wk:	200 litres upwards	

TYPICAL PERFORMANCE AND SAVINGS

Litres/wk	Electrical Energy Output KWh/week	Thermal Energy Output KWh/week	ROC Value £/week	Weekly Rental	Relative Value for Waste Oil £/litre	Savings Year 1	Savings after 5 years
250	769	1384	£70.50	£137.01	£0.26	£3,394	£24,618
500	1587	2697	£142.86	£205.51	£0.41	£10,730	£69,107
1000	3175	5080	£285.71	£365.35	£0.45	£23,263	£146,600
1500	4918	7377	£442.62	£509.67	£0.49	£38,071	£236,280
2000	6793	10189	£611.41	£628.41	£0.54	£56,519	£346,030

- Figures above are based on typical commercial energy values and utilisation of energy produced by CHiP

For details of any of the above applications or to arrange a site visit please contact:

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