

# Our green story



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## Introduction

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We recover the organic resources that are left over from food business manufacturing, catering or retail operations. Having collected these waste streams as efficiently as possible, we then convert them into renewable energy helping our customers and the country to reduce carbon emissions.

We are passionate about achieving 100% resource recovery for our customers. To that end, we believe in providing food businesses with a virtuous cycle that recycles their organic waste, such as used cooking oil and food waste, into sustainable resources like biodiesel and biogas.

Our recycling centre, built on a brownfield site in Liverpool, is the country's leading site for processing used cooking oil into biodiesel using the heat and power generated from Anaerobic Digestion. This makes Olleco biodiesel the most sustainable transport fuel in the world.

As a company we also take an active role in government discussions about how our industry can best help the country meet its targets; and remain passionate about achieving our goals. We were delighted to achieve ISO 14001 certification and now operate our carbon emissions reporting to the standard of ISO 14064.

Whether our customers are independent caterers or national food service providers we know you care about the environment and Olleco is here to help you do your bit to achieve a greener future.

### Video links:

#### Circular Economy

[www.olleco.co.uk/about-us](http://www.olleco.co.uk/about-us)

#### Biodiesel

[www.olleco.co.uk/green-fuels/biodiesel](http://www.olleco.co.uk/green-fuels/biodiesel)

## Our credentials at a glance

95% GHG savings

ISCC accredited

ISO 14064-1 standard carbon reporting

Recycles over 30% of the UK's UCO

Active members of the Renewable Energy Association

Registered waste carrier certificate

Awarded Carbon Trust Triple Standard

## What happens to your used cooking oil?

Olleco have created an organic recycling initiative that provides a circular solution to the problem of waste produced by the food manufacturing, catering and hospitality sector.

In 2014, we completed the construction of our Liverpool organic waste recycling centre which features a biodiesel plant powered by the outputs of an Anaerobic Digestion plant. The project is complex in its design but simple in its concept. We collect waste food and used cooking oils and fats from its 50,000 food industry customers: hotels, restaurants, pubs, fast food outlets and canteens who would otherwise throw waste food into landfill and pour used oils into the drains. Once collected, the wastes are transferred to our recycling facility, which cleverly uses the waste food to produce renewable heat and power which in turn is used to run a conversion technology that produces biodiesel from the used oils and fats: a great example of a successful circular economic model where nothing is wasted.

Bringing together leading edge technology and innovations has enabled us to achieve a transport fuel that reaches heights of Greenhouse gas savings most businesses dream of. Using ISO 14064 methodologies, Olleco has shown consistent GHG savings for its biodiesel of over 95% and the project has achieved ISCC sustainability standards. The only other output of the process is rich compost which is sent to land and used as a chemical free fertiliser.



## Tell me more about Olleco...

The hospitality industry is under increasing pressure from consumers and governments to provide environmentally conscientious and sustainable services - of which waste management is one.

By managing your waste and recycling cooking oil, Olleco - with your help - are displacing fossil fuels with a process that emits more than 95% CO<sub>2</sub> savings than regular biodiesel, helping the UK to comply with the EU target for a 20% reduction in greenhouse gases by 2020. Along with reducing customer's carbon footprints, our aim is to diversify UK energy production through this sustainable and renewable form

of waste management.

Below are some useful facts attached to the process of recycling UCO:

- 1) 1Mt UCO produces 4MWh
- 2) All diesel fuel sold on garage forecourts contains about 5% biodiesel and this is projected to increase to 10% by 2020
- 3) Every litre of refined UCO produces 0.1262kgCO<sub>2</sub> when burnt, where every litre of diesel produces 2.6391kg CO<sub>2</sub> meaning that our biodiesel saves over 90% on carbon emissions.

**Olleco Support Office**  
**Northampton Road**  
**Blisworth**  
**Northampton**  
**NN7 3DR**  
**T: 01604 857 001**



## Helping with your carbon management

It is important to measure accurate performance levels and we offer an online management information suite of reports to our customers available through our website: [www.olleco.co.uk](http://www.olleco.co.uk) This system produces the following reports:

- Monthly collections report
- Monthly tonnages and carbon savings
- Detailed breakdown of collections by entire customer estate, customer division or individual site
- Zero collections report, showing locations that could be experiencing theft of their used cooking oil
- Food waste collection report, showing food waste tonnages and energy produced per tonne from Anaerobic Digestion
- All information can be downloaded to Excel, for further bespoke reporting

### ISO 14064-1 Greenhouse Gas Reporting

To prove our environmental awareness, we have been reporting our Greenhouse gas emissions in line with the internationally recognised ISO 14064 standard. This demonstrates our proactive response to the global demand for transparent, consistent and comparable emissions reporting.

It enables us to accurately:

- Benchmark annual carbon footprints
- Identify areas for reduction
- Compare competitor's carbon footprints
- Include in RFP (requests for proposals)
- And ultimately improving our service to you

**“Olleco have been reporting their Greenhouse Gas emissions in line with the internationally recognised ISO 14064 standard.”**

## Award wins



**WINNER**



[www.olleco.co.uk](http://www.olleco.co.uk)

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