



## Get in touch

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Or visit us online at: [viridor.co.uk/services](http://viridor.co.uk/services)

### Viridor Collection Services:

- Paper and cardboard recycling
- Glass recycling
- Plastics recycling
- Electricals (WEEE) recycling
- Food and organics recycling
- Mixed recycling
- General waste
- Confidential waste
- Liquid waste
- Hazardous and clinical waste
- Plus many more

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# Giving your food and organic waste new life.



Viridor



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# Giving your food and organic waste new life.

UK households and organisations discard a staggering £13 billion of food waste every year.\*

As a nation we know we need to buy and consume more sensibly, but where this is unavoidable, Viridor is converting this into high-quality compost products called Revive and generating electricity.

What a great idea, to turn waste organics into products that can help grow the resources of tomorrow.

“Our plants at Chelsea benefit from Revive’s excellent moisture retentive properties, and in the high temperatures we experience when building the display, Revive helps our Dahlia’s stay fresh and reduce wilting.”

Jon Wheatley, award-winning exhibitor at the Chelsea and Hampton Court Flower Show.



\*Guardian 2017 wrap update

## What’s in it for you?

As well as the feel-good factor of knowing that your organisation is playing its part in reducing its environmental impact, recycling food and organics will also help you:

- Reduce costs by diverting food waste away from landfill
- Meet or exceed your sustainability targets
- Enhance your green credentials: customers and prospects are looking to work with organisations who are ethical and sustainable
- Peace of mind: by working with a compliant, trustworthy provider
- Reduce the size and weight of your general waste bin by diverting heavy food and organics into recycling containers
- Generate revenue: by partnering with Viridor you could also be entitled to a rebate, turning the waste at the bottom of the bin, into ££s on your bottom line



### Award-winning infrastructure

We have made huge advances in recycling the organic waste that we receive, and we are now producing a selection of high-quality, organic soil conditioners and composts that are perfect for commercial and domestic use. Our Revive compost and soil conditioners are made from 100% natural, organic materials from our customers.

Viridor is an experienced compost producer, and much of it is certified to the National BSI PAS 100 quality assurance standard, accredited by the Association for Organics Recycling. We process food and organic waste from local authorities and businesses of all sizes. We produce a soil conditioner compost from garden waste that has been used to win awards at the Chelsea and Hampton Court Flower Shows.



We are constantly looking at ways to increase recycling rates amongst our customers, and improve the outgoing product quality. We invest heavily in the right process and equipment to make that happen.

Detailed analysis and reports are available to our customers, with compliance being key, ensuring you are never at risk of breaching environmental regulations.

### A trusted advisor

Partner with Viridor and you partner with a true expert in food and organics recycling - if required we can make you experts too. We can offer training and educational resources to help your organisation make the most out of your waste.



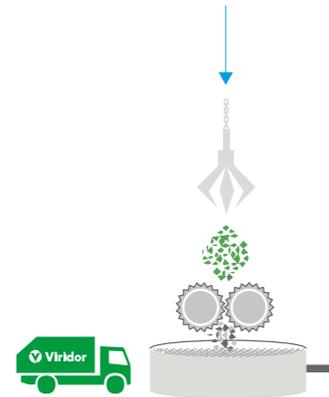
# A typical Viridor organics processing plant

## 01: A typical Viridor Anaerobic Digestion (AD) facility

## 02: A typical Viridor In-Vessel Composting process (IVC)

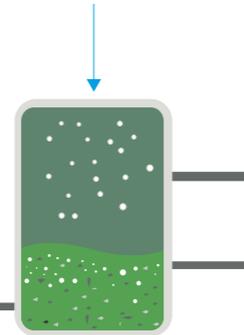
### 01 Organic waste delivered

It is fed into a giant shredder and is mixed with water to make slurry.



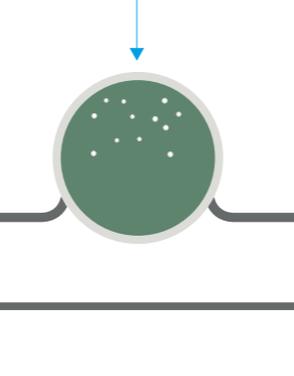
### Slurry is then put into large digester tanks

Methanogens (bacteria) are added to the slurry in an oxygen-free environment. The bacteria breaks down the material over 12-14 days.



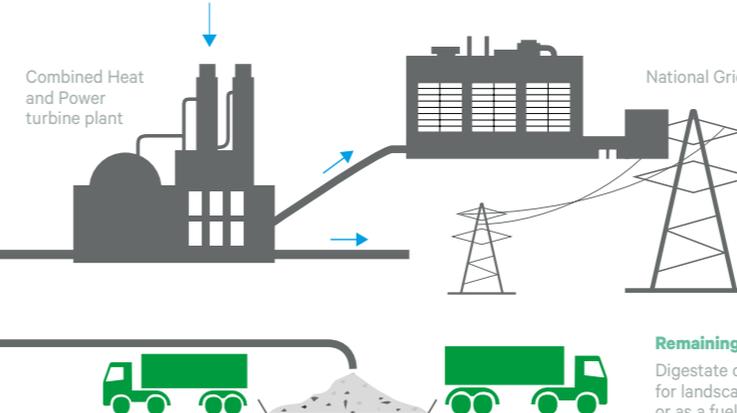
### Biogas produced

Biogas is cleaned, compressed and sent to a Combined Heat and Power turbine plant (CHP) to produce electricity and heat.



### Heat and power generated

Heat is generated for use on or off-site and electricity is fed into the National Grid.

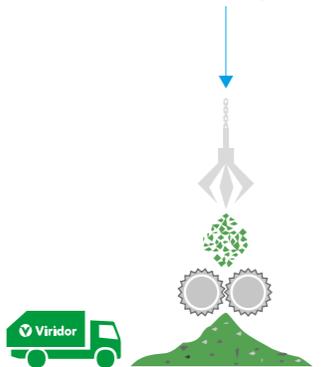


### Remaining digestate

Digestate can be used as a soil conditioner for landscaping and site restoration/remediation or as a fuel.

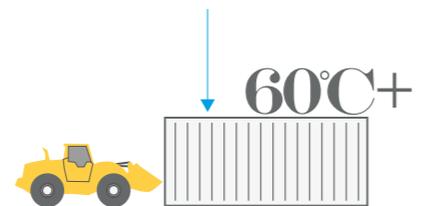
### 02 Organic waste delivered

Clean, green garden waste and organic waste arrives and is fed into a giant shredder.



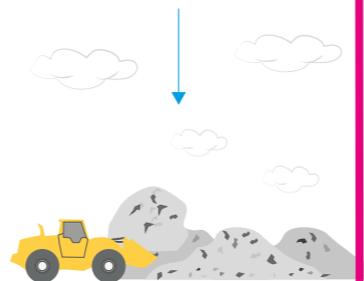
### Decomposition begins

The shredded material is then collected and the decomposition process begins. It is put into a series of piles, filling long tunnels. Air is pumped into the tunnels to aid aerobic decomposition. This allows the temperature to remain above 60°C to kill off any bacteria and seeds, and to accelerate the composting process.



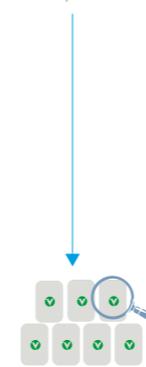
### Material broken down

After two weeks the material is broken down. It is taken outside and turned over once a week for four weeks, allowing oxygen to aid in the natural composting process, achieving full decomposition.



### Quality control

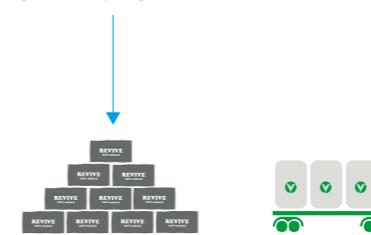
Compost is screened into different grades. Any oversized material is put back into the process.



### Finished product

This high-quality compost is used as soil conditioner and a growing medium in horticulture, landscaping and agriculture.

Viridor's own range of Revive compost is accredited to the National BSI PAS 100 composting quality assurance standard and certified by the Association for Organics Recycling.



## Accreditations

Viridor is an experienced compost producer and much of it is certified to the National BSI PAS 100 quality assurance standard, accredited by the Association for Organics Recycling.

Each site operates under the highest quality, environmental, energy efficiency, and health and safety standards – certified to ISO 9001, ISO 14001, ISO 50001 and OHSAS 18001 respectively.

## Get in touch

At Viridor, we put more of your food and organic waste back into action, and help you recycle as much as possible. Call us for a free waste audit or quote, or visit us online at [www.viridor.co.uk/services](http://www.viridor.co.uk/services)

