

# Changing to biodiesel

## 4Group

- 4Group is a local company that offers a range of vehicle, plant and equipment hire solutions as well as training.
- 4Group's Eco Rental Solutions range is completely electric, emits zero carbon and can also generate clean energy. Through the equipment they offer and by how they organise their business, they promise to minimise their environmental impact.

### Challenge

Jersey emits 358,425 tonnes of CO<sub>2</sub>e yearly. With 41% of Jersey's total carbon emissions coming from transport alone.

There are some vehicles where there are not alternative fuel options available at the moment. HVO provides an alternative fuel option that is low carbon and doesn't require you to change the current vehicle.

### Solution

4Group has promised to minimise their environmental impact by becoming a carbon neutral business.

They partnered with Rubis Fuel to fuel their vehicle fleet with hydrogenated vegetable oil (biodiesel). A fuel made from 100% renewable sources. This change has resulted in a third less particulates being produced.



## Results and benefits

- Since moving to HVO, they have seen their carbon emissions drop by 90% on fuel used during the year and have saved 188 tonnes of carbon
- Exhaust particulate emissions while driving are much lower and there is less soot built up in the diesel particulate filter in smaller vans.
- As HVO fuel has better combustion and cold temperature resistance, cold running from start-up is better improved.
- Reduces carbon extraction from the ground.

## What's next?

In the words of 4Group's Directors:

*"We are constantly renewing equipment and only replace with sustainable models. We are working to help customers understand the ideas and benefits to business of sustainability and now only refill plant, vehicles and equipment with Rubis RD100 fuel and two members of the team recently completed Carbon Literacy training. The combination of regular maintenance and replacement of vehicles and equipment, our eco-driver training programme, route planning and selection of the correct vehicle for the task along with the use of HVO fuel has all assisted with the significant reduction in our carbon footprint as a proactive business."*

