

ing green
easier
in your tank

Instantly reduce your carbon footprint and emissions with Green Flash 100% renewable diesel

 **GREEN FLASH**

ESG is now easier than ever



Switching to HVO can instantly reduce your greenhouse gas emissions by up to 94%!

Starting to feel the pressure?

Your customers are expecting your company to be responsible towards the environment. Your supply chain partners are increasingly demanding green policies from you. And government regulation will soon make it compulsory to reduce your carbon footprint.

Yet it seems the solutions out there are either too expensive or too difficult. What you need is something simple and affordable. Something that shows the world that your business is making a real effort to reduce its carbon footprint. Something that works right away, without disrupting your business or breaking your budget.

We have that solution for you. It is a new green fuel called HVO and it will make your life a lot easier.

Keep your engines running

Diesel engines are powerful, reliable and easy to maintain, but they have a serious carbon footprint and greatly affect the air quality. Yet diesel engines are everywhere and cannot be replaced easily.

Replacing an entire fleet of diesel-operated equipment with electric is expensive, disruptive and often impractical.

Here is some good news: by switching to HVO, a renewable diesel fuel that is produced from renewable (organic) sources, you can instantly reduce your Greenhouse Gas Emissions (GHG) by up to 94%.

HVO works like any traditional diesel fuel and does not require any changes to the equipment or engines. Just drop it in your tank and you go green instantly.



It is time for a cleaner fuel

HVO diesel is not just greener to produce: it also burns cleaner than regular diesel and offers superior engine performance under all circumstances.



- Less NOX
- Less CO
- Less CO2
- Less sulphur dioxide.
- Lower FSN (Filter Smoke Number)

Meet the next generation biofuel

HVO is a premium, high-quality diesel fuel, produced from renewable and sustainable raw materials – none of which releases new CO2 into the atmosphere.

HVO is better for the planet in many ways: it burns cleaner, releasing less soot and less polluting byproducts than regular diesel, and its performance is superior to traditional diesel fuel.

The best news? HVO is chemically identical to regular diesel, so it does not require any changes to the equipment or storage units.



HVO is a diesel fuel, made from organic waste.

The “H” in HVO stands for Hydrotreated or Hydrogenated, a process that uses hydrogen, heat, high pressure and special catalysts to transform fats and oil into diesel fuel.

“V” is for “vegetable”, but HVO can be produced from many other organic sources such as animal fats, crop residues, grass, wood pulp, discarded cooking oil and even algae.

“O” is for oil. HVO diesel looks and acts just like regular mineral oil, yet it contains far fewer aromatic compounds and virtually no sulphur and other unwanted pollutants.

Drop in Fuel

HVO is a so-called “drop-in” fuel: it can be mixed with regular diesel in any ratio. You can decide on a customized green strategy that fits your business model and your budget.

You can gradually add HVO to your regular diesel to reduce your footprint, or switch to 100% HVO right away to make the maximum effort to support a greener future.

Meeting your targets

Many international supply chain operators demand a serious effort in CO₂ reduction and may require you to meet specific targets in kg of CO₂ / year.

Each liter of diesel produces around 2.7 kg of CO₂ so it is easy to calculate how much HVO you would need to drop in to meet your targets.

How much carbon do I add to the planet?

Carbon footprint in kilograms of CO ₂ (from emissions) from a standard diesel generator running full-time at half load							
capacity	liters/hr	liters/24 hr	liters/month	CO ₂ (kg/year)	HVO Drop-in 50%	HVO Drop-in 80%	100% HVO
10kW / 12kVA	1.6	38	1,168	37,843	18,922	7,569	2,271
20kW / 25kVA	3.1	74	2,263	73,321	36,661	14,664	4,399
40kW / 50kVA	6.2	149	4,526	146,642	73,321	29,328	8,799
80kW / 100kVA	12.5	300	9,125	295,650	147,825	59,130	17,736
160kW / 200kVA	25	600	18,250	591,300	295,650	118,260	35,478
280kW / 350kVA	43.7	1049	31,901	1,033,592	516,796	206,718	62,015
400kW / 500kVA	62.4	1498	45,552	1,475,880	737,940	29,518	88,553

One liter of diesel produces around 2.7 kg of CO₂. Producing and transporting any kind of fuel requires energy, and therefore all energy has an additional carbon footprint - even solar and wind power. Realistically, HVO can offer a 94% reduction in carbon dioxide emissions compared to regular diesel.



Place your HVO order by phone or email



Green Flash delivers the HVO to a storage tank on your site.



Don't have a tank? Lease or buy your own customized tank with your logo on it.



That's it! Your diesel engines will instantly run cleaner than ever before

How does it work?

Green Flash delivers the HVO right to your preferred destination and transfers it into your storage tank units at no extra fees.

In case you want to store your HVO in a separate container (for creating your own drop-in mixtures, for example) or do not have adequate storage, we provide the option to lease a dedicated HVO storage tank. This on-site Green Flash HVO tank is fully certified and sturdy enough to be mounted on a delivery vehicle. The incorporated pump unit makes it easy to deliver the fuel to your equipment. The minimum purchase amount is 1,500 liters per 3 months.

Green Flash will lease a tank for a minimum of three months, for a nominal fee. We also offer the option to purchase your own HVO tank in case you want to add your company logo to it and show the world that your company is serious about your commitments to the planet.



GREEN
FLASH



We let the
world know
you care
about the
planet!

Website

With an annual contract, you get your own dedicated section on Green Flash' international and Taiwanese websites.

This contains a brief profile of your company and its environmental actions in perfect English and Chinese.

PR and promotion

Your contribution to the planet is important, and we make sure your (international) clients can see your efforts.

We provide you with give you a full PR press kit, including a bilingual press release, photo material, stickers and labels and more.