

# GREEN FLASH

ESG solutions for airlines





Hydrogen, Electric and SAF make for very good pictures and positive stories for airplane manufacturers.

But these solutions are expensive and will take a long time to implement. Most of the technology is just not ready yet.

Much of the high cost will be passed on the airlines: new fleets, new infrastructure, new equipment, crew training.

**Green dreams are great, but airlines need an immediate and affordable ESG solution that can be implemented right now.**



**DREAMS IN THE SKY ARE PAID FOR ON THE GROUND**

# YOUR NEXT ESG SOLUTION IS WAITING FOR YOU AT THE AIRPORT

Carbon Offsets right here, right now instead of half a world away



# The problem with traditional carbon offsets

SAF is not available in large enough quantities, so additional offset measures are needed. **Carbon Offsetting** is a way to “compensate” a part of an aircraft’s carbon emissions on a particular journey by investing in carbon reduction projects elsewhere. Even though Carbon Offsets can bring social, environmental, or economic benefits, there are a few fundamental problems.

## Does it feel right?

The offsets have no link to the airline, the flight, destination or the passenger experience (PaxUX). Donating feels detached, unreal and unsatisfying.

## Does it really work?

Efficacy is hard to prove. There have been many scandals about fraudulent or ineffective carbon reduction projects around the world.

## Is it relevant?

Remote Carbon Offsets solutions take place half a world away. There is no local benefit, like cleaner air or lower emissions at the airport.

## Can we do it ourselves?

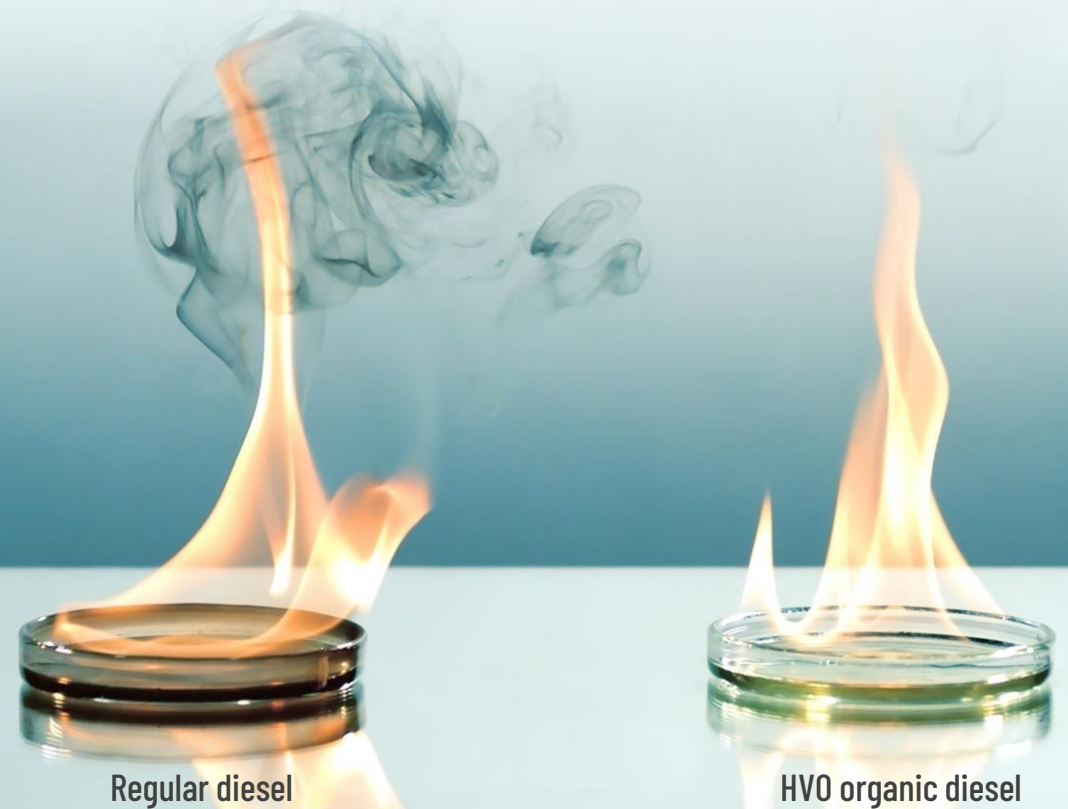
Remote Carbon Offsets depend on cooperation with a third party and cannot be implemented by the airline or airport themselves.

## HVO: a great ESG solution

HVO is very similar to SAF, but for diesel equipment instead of jet engines. It can be used in all diesel-powered ground handling equipment at the airports.

Just like SAF, it is a next-generation organic fuel. HVO is identical to regular diesel and can be used in the exact same way.

- 100% organic
- 100% miscible with regular diesel
- Cleaner burn (less CO, NOx and particulate matter)
- No aromatics or sulfur
- Used by major brands such as KLM, Heineken, Ikea and Coca Cola





**HVO is almost carbon neutral, and has none of the disadvantages of regular diesel**

- Same or improved performance
- Immediate results
- No equipment change
- 100% compatible with all diesel engines
- Same shelf life
- No storage issues
- Endorsed by engine manufacturers
- Similar or better performance

**94%** carbon neutral



# HVO: a local carbon offset *you* control

HVO can be stored and mixed with regular diesel in any ratio.

Airports can purchase HVO, add it to their regular diesel storage and sell a part of that HVO as a green offset to the airlines. In other words: the same diesel storage at your hub now becomes your green credit source.

Dublin Airport's 300,000 Liters of Diesel storage replaced with HVO

## HVO works with the existing GSE fleet

The current GSE fleet at Taoyuan Airport produces 15,625 tons of CO<sub>2</sub>e. annually.

Switching to HVO would mean a 94% reduction of the carbon footprint: **14,688 tons less CO<sub>2</sub>**. And all that with zero investment in equipment.

This means that there is almost 15 thousand tons of CO<sub>2</sub> offsets available, right there at the hub of your operations.

All you need to do is pay the airport for the purchase of HVO on behalf of your airline to claim this carbon offset.



94%  
less CO<sub>2</sub>



94%  
less CO<sub>2</sub>



94%  
less CO<sub>2</sub>



94%  
less CO<sub>2</sub>



94%  
less CO<sub>2</sub>



94%  
less CO<sub>2</sub>

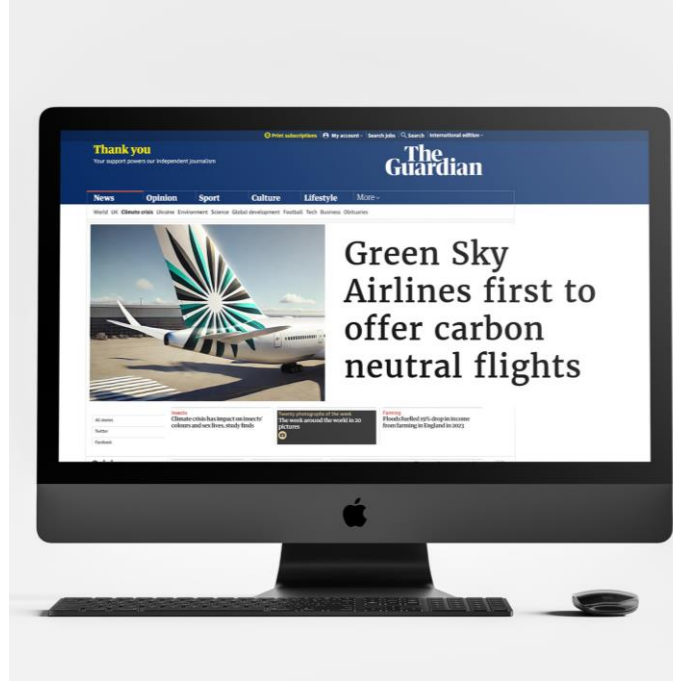
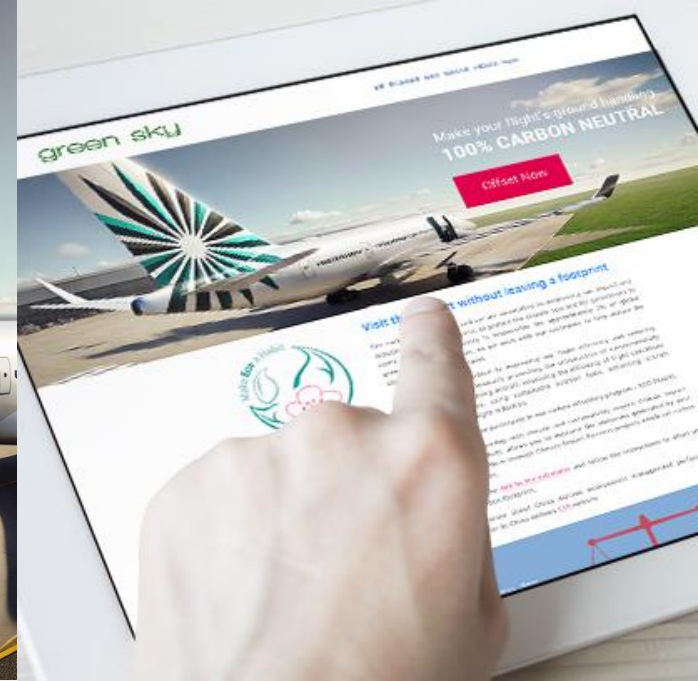


## New Solutions for Green Sky

Imagine a fictional airline called Green Sky. This modern airline wants to lower its carbon footprint in general, but also offer its passengers several options to reduce their own individual carbon footprint.

Green Sky establishes a corporate ESG program, and make sure consumers are aware of Green Sky's environmental efforts.

They also empowering and enabling their flying customers by offering them additional green choices and options.



## Green Sky's corporate onsite carbon offset scheme



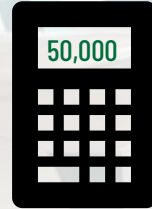
The airport purchases  
X amount of HVO



This HVO is added to the existing diesel  
storage at the airport



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The airport calculates Green Sky's  
monthly diesel usage for ground  
handling at the airport.

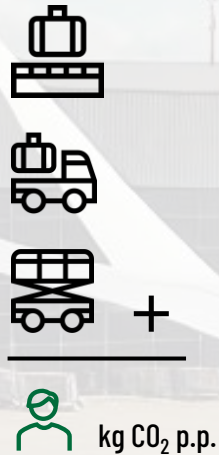


53,1914 l	100%
50,000 l	94%
26,5957 l	50%

Green Sky purchases HVO to offset their  
carbon footprint.  
(HVO is 94% carbon neutral)

- HVO is like an on-site carbon offset scheme, offered by the airport instead of a third-party.
- Since HVO is 100% miscible and compatible with regular diesel, it can be stored in the same tanks.

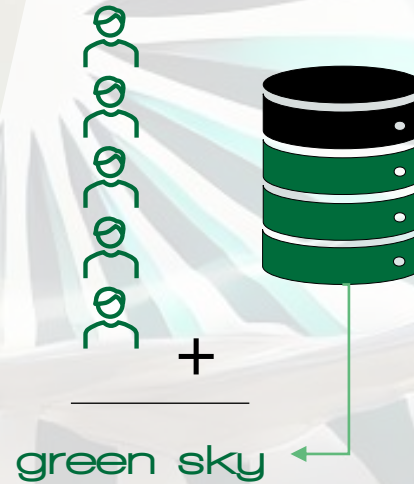
## Passenger carbon offset service for airlines



The airport calculates a passenger's average carbon footprint for ground handling at the airport.



Passenger is offered an opportunity to make their airport visit carbon neutral while booking the flight



Green Sky Airline purchases additional HVO from the airport to offset these passenger's carbon footprints



Passenger is awarded a green certificate and perhaps promotional gift during flight or on arrival

- Great promotional value for both airport and airline
- Flexible and adaptable scheme, can be used in addition to the corporate ESG

## WHY GREEN FLASH?

Because we are the storytellers who can tell the world about your next green initiative. Because we are the first to offer HVO in Taiwan.

Green Flash not only delivers the green fuel to the customer but helps them spread the good news about their green actions to the world as well.

We excel at marketing, branding, promotion and publicity for Green initiatives.



Thank you  
for your time

