

Wings of Change: Redefining the Jet-Set Lifestyle for the Green Age of Aviation

*Tao Climate's Hemp Carbon Credits
Elevate the Air Travel Experience to Net
Zero Emissions*

DUBLIN, DUBLIN, IRELAND, September 6, 2023 /EINPresswire.com/ -- Air travel has become an integral part of our lives, enabling us to connect with loved ones and explore the world. However, with the growing concern over the environmental impact of aviation, and the global aviation industry back to pre-pandemic activity after a bumper summer season, it's the perfect time to revolutionise the way we fly. Today, we are thrilled to introduce our groundbreaking product: Hemp Carbon Credits, available exclusively at Tao Climate, which are designed to help travellers offset the carbon emissions of their flights in real time.



**Welcome to the
Green Age of Aviation**

 Tao Climate is the way to sustainable aviation
Act now: [Taoclimate.com/offset-flights](https://taoclimate.com/offset-flights)

Welcome to the Green Age of Aviation with Tao Climate's Hemp Carbon Credits

Tao Climate, a leading provider of carbon offset solutions, today announces the launch of its new Hemp Carbon Credits to offset the CO₂ emissions of any flight. The credits are designed to help travellers offset the carbon emissions of their flights in real time, and are made from industrial hemp, which is a fast-growing, carbon-negative crop that can capture and store CO₂ from the atmosphere.

"We are excited to launch the Green Age of Aviation with our Hemp Carbon Credits to help people offset the CO₂ emissions of their flights," said Gary Byrnes, CEO of Tao Climate. "These credits are a real, measurable way for air travellers to reduce their impact on climate change and help rebuild Ukraine with sustainable hempcrete."

The Hemp Carbon Credits are priced at €0.50/kg CO₂e, and they can be purchased in any

amount. To offset the CO2 emissions of a one-hour flight, a passenger would need to purchase 38 kg of credits.

“We believe that everyone should have the opportunity to offset their flight emissions,” said Byrnes. “That’s why we have made our Hemp Carbon Credits affordable and accessible to everyone. Unlike traditional offset programs that may take years to show results, Tao Climate Hemp Carbon Credits are removing CO2 from the atmosphere as they are purchased. This means air passengers can enjoy guilt-free, carbon-neutral travel from the moment they take to the skies. Whether it's a short domestic flight or a long-haul international journey, we can now feel great about flying, every time.”

Hemp carbon fibre
Hemp fibres and bioplastics are as strong as steel but so much lighter and with carbon benefits. Widely used in the automotive industry, hemp composite materials can make planes lighter, cutting fuel consumption while locking away carbon.

Hemp Carbon Credits
Tao Climate is bringing a new category of carbon credit to the ancillary revenues market, powered by industrial hemp. Hemp is 4 times more effective than forestry at capturing atmospheric CO2 and it can be processed in 4-5 months. We're using hemp carbon in bioplastics and construction materials, locking the carbon away for centuries. Our whole-plant approach means that other parts of the plant can supply feedstock for zero carbon fuels, while passengers can offset flight emissions in months, not decades.

Hemp SAF
Hemp can be used to make high-energy Sustainable Aviation Fuel, without displacing food production. Hemp crops grow and fuel production infrastructure is located, wherever the fuel is needed. This ensures a truly carbon neutral SAF. Hemp can grow well on marginal land and is ideal for growing around airports.

Hemp carbon management
Because hemp is so effective and fast at capturing atmospheric CO2, we can offer a solution to deliver truly carbon neutral business operations at scale. With fully verified, science-based and data-driven impacts, we can help every business manage carbon footprints up to gigaton scale. We partner with growers and makers worldwide. Our mission is to end climate change by enabling truly sustainable manufacturing and transport operations.

Onsite SAF production | Fuel feedstock growing on airport land

Tao Climate - Aviation use cases for industrial hemp
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Use cases of industrial hemp in delivering sustainable aviation

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Unlike traditional offset programs that may take years to show results, Tao Climate Hemp Carbon Credits remove CO2 from the atmosphere rapidly, enabling guilt-free, carbon-neutral travel.”

Gary Byrnes, Tao Climate CEO

Flight Carbon Calculator

Wondering how many credits are needed to offset a flight? Our user-friendly Flight Carbon Calculator takes the guesswork out of the equation. Simply input the number of hours flown, and instantly know how much CO2 emissions need to be offset. Our calculations are based on solid science and data-driven methodologies, ensuring accuracy and transparency.

Benefits When Offsetting Flights with Tao Climate

When air travellers choose to offset their flight emissions with us, they are taking tangible action to combat aviation's

impact on climate change. Beyond the satisfaction of reducing their flight carbon footprint, here are some additional perks our customers will receive:

1. Supporting Ukraine: The contribution helps us build sustainable hempcrete structures in Ukraine, providing accommodation and rehabilitation services for people affected by the conflict.
2. Fractional Hemp Carbon Credits: Tao Climate customers will have sole ownership of fractional Hemp Carbon Credits, recorded on our transparent Registry.
3. Digital Certificate: Receive a digital certificate recognising the flight offset, a testament to the commitment to sustainability.
4. Green Age of Aviation Badge: Proudly display our digital badge on social media and beyond,

showcasing dedication to a greener future.

5. Climate+ Positive Network Membership: Enjoy limited availability membership in our exclusive customer community, complete with discounts on future flight offset purchases and surprise treats.

Join us in ushering in the Green Age of Aviation and make every flight a force for positive change. To learn more about Tao Climate's Hemp Carbon Credits or to purchase credits, visit taoclimate.com/offset-flights/



Tao Climate founders Gary Byrnes and Felix Roick

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For inquiries about our Flight Offset Hemp Carbon Credits, Tao's Climate+ Positive Network, or any other questions, please contact us at hello@taoclimate.com with 'support' in your subject line.

Are you a commercial or business aviation professional interested in offering our Hemp Carbon Credit products to your passengers? Reach out to Gary Byrnes at gary@taoclimate.com for confidential business inquiries.

Our Methodology for Calculating the Carbon Footprint of Flights

We base our calculations on hours in the air; fuel consumption per hour for a B737-8200 (MAX); industry-recognised carbon footprint per kilogram of jet fuel, and the 2023 average load factor provided by IATA. Our price of just €0.50 per kilogram of CO₂e funds the cultivation of industrial hemp, rapidly capturing atmospheric carbon, and safely sequestering it in hempcrete buildings for centuries.

Please note:

Different aircraft types have different fuel consumption profiles.

Our calculations are conservative, not accounting for potential higher impacts (X1.9) due to high-altitude emissions.

Airport-related emissions during taxiing and take-off are not included.

Long-haul flights may have proportionately fewer airport-related emissions but compensate with heavier fuel loads.

Choose Tao Climate and embrace a greener way to explore the world.

About Tao Climate

Tao Climate is a pioneer in sustainability technology, committed to reducing the carbon footprint of industries and individuals alike. Our innovative Hemp Carbon Credits offer a tangible way to combat climate change while supporting the construction of sustainable housing and infrastructure. Tao Climate is a proud member of the Google Startups for Sustainable Development program.

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