



# STEM

OPPORTUNITIES IN AVIATION & AEROSPACE



# AD FAB SAF

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Hello, I'm Ab Fab SAF. And I'm here today to ask you for investment into sustainable aviation fuels. Sustainable Aviation Fuel, or SAF is very simple to use, and it's available now. It's just like normal jet fuel, but much lower in carbon. So that means that flights can be far less polluting, but we don't need costly changes to aircraft to airports, or to supply change to make it happen. It just mixes into existing fuel systems. And so it can be used for any existing flight, both domestically and internationally.

SAF can be made from all sorts of sources, you'll have heard of fats and plant stocks being used even in cars. We can do the same with aircraft fuel, but we don't use anything that would be needed for food production. You can also take carbon out of the air carbon capture and reuse it and turn that back into SAF.

And there are all sorts of other ways to make use. There's a lot of government support globally. For SAF ICAO, the International Civil Aviation Authority organization has just agreed an aspiration to reduce aviation carbon by 5%. By 2030. Through use of low carbon fuels, and the UK Government and the EU are introducing policies and mandates to both incentivize and to force the use of staff. This political commitment should give you investors much greater confidence that this is a safe investment.

So why do we need investment? Well, currently, Saft can only be used as a blend with normal aviation gas because it doesn't contain all the things that engines need to work affect effectively, such as sulfur and a few other chemicals. So we need a lot more research into this so that we can eventually use 100% SAF and we just don't have enough of it at the moment. So we need investment build more SAF plants. The UK government committed to having five new SAF plants in production in the next few years. And we really need investment to pull that together.

So invest in SAF and you'll get your money back.