

AVIATION CO₂ REDUCTIONS



STOCKTAKING SEMINAR

TECHNOLOGY · OPERATIONS · SUSTAINABLE AVIATION FUELS



Air Operations

Signal: A crucial, yet simple step on the road to zero carbon aviation

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What is Signal?

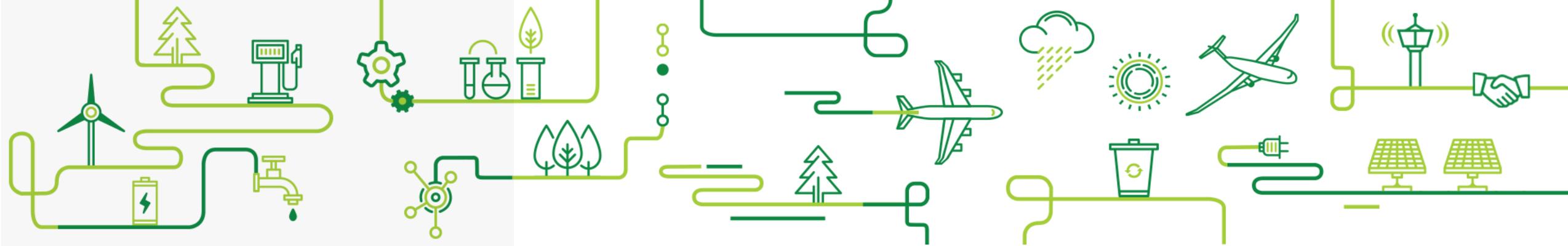
- Signal is a behavior change solution to supercharge **operational efficiency** and maximize **profits** whilst at the same time **lowering carbon emissions**.
- It is a software and communication system that nudges pilots to make **efficient** decisions and transform employee behavior into a **competitive advantage**.
- The team at Signal led the **first** and **only rigorous** control trial on pilot fuel behavior.

We
improve
productivity

We
deliver
significant
savings

We
enhance
employee
wellbeing

We
reduce
emissions



Behaviors Signal Can Change in Aviation



Fuel Load



Reduced Engine Taxi
Out



Continuous
Ascent



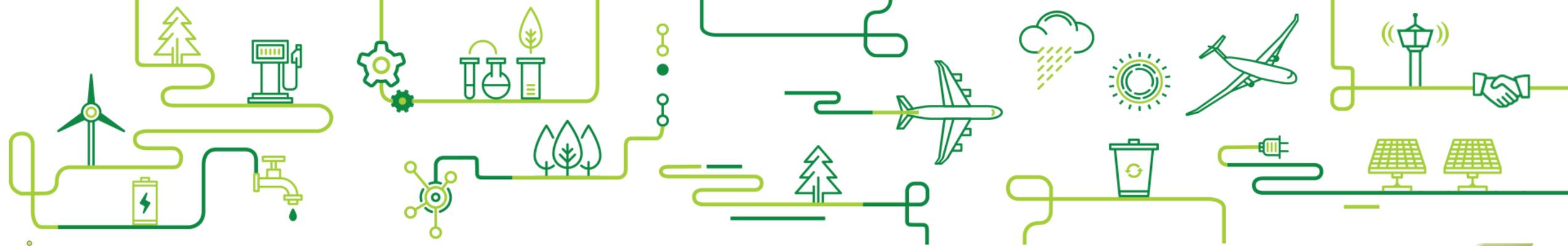
Efficient Flight



Continuous Descent



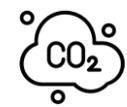
Reduced Engine
Taxi In



Saving Virgin Atlantic Airlines \$6.1 million in 8 months



6.5%
improvement in
employee
satisfaction



24,000
tons of CO₂
saved



Lowest ever
recorded
carbon
abatement
cost



Improve efficiency using flight data

Operations

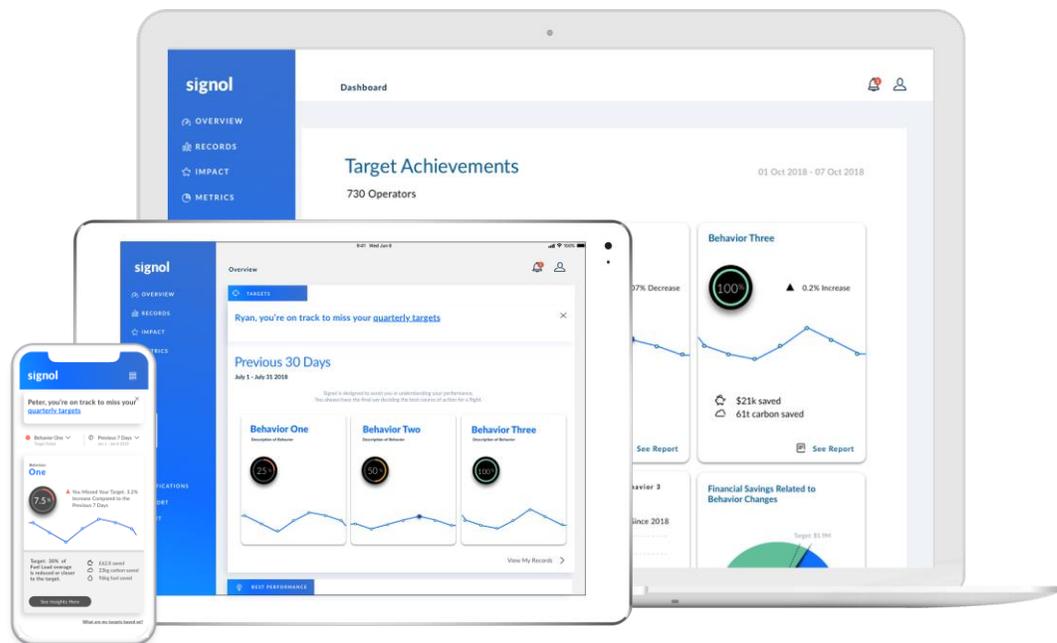
We are looking for airlines who want to **rapidly decrease carbon emissions**.

To achieve this we are supported by climate change **funding** for 2 trials.

Signal works in **cooperation** with existing airline analytical systems and not as a replacement.



	CO₂ reductions per flight	5%
	Level of finance required	Negotiable
	Timeframe	Now
	Main challenges	Executive engagement and procurement



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Thank You



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