

Clarity

NATS

A clear vision to a
more sustainable future.



Why Clarity?

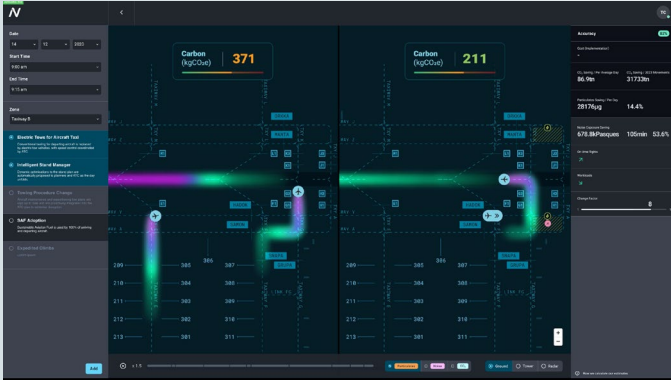
Airports worldwide are committed to achieving Net Zero by 2050. Even as the focus on emission reduction grows, sustainability can still feel in competition with operational demands and finite resources.

Finding – and measuring – the most efficient ways to meet targets is not easy. With Clarity, airports can focus on overall performance whilst addressing their commitment to sustainability.

What is Clarity?

Clarity is NATS' emissions impact demonstrator that models the future cumulative environmental impact of initiatives within an airport's ecosystem.

It provides a visualisation of emissions from ground and air operations and quantifies CO₂ savings over time so that you can make informed investment choices about your future sustainability improvements.



Clarity can provide answers to:

- How could improved stand management result in a greater reduction in CO₂ than electrification of some of our ground vehicles?
- How much fuel and CO₂ could be saved with time-based separation on approach?
- Would a slight extension to the operating area of tugs have a notable impact on harmful pollutants around the apron?
- If we install fixed-electrical ground power (FEGP) at remote hold locations on the airfield, how much CO₂ can we save, and how could we adapt our procedures for maximum benefit?
- What combination of these initiatives would have the most impact, both for emissions and finances?

Features

- Compares the impact and value of an unlimited number of new or existing initiatives or investments.
- Provides an image of emissions hotspots on an intuitive user interface.
- Quantifies cumulative emission savings of combined or singular initiatives over time.
- Adaptable to any sized airport and available data sources.
- Makes invisible CO₂ emissions visible on your airfield model.

Benefits

- Interrogates strategic investment decisions based on environmental impact.
- Demonstrates the environmental impact of potential investments over time.
- Drives cost savings through pre-emptive, accurate investments.
- Enables transparent conversations based on modelling.
- Improves your environmental reputation in the airport community and with passengers and local communities.
- Creates a baseline for environmental performance.
- Plots the most efficient roadmap to ensuring your airport remains compliant with environmental legislation now and in the future.

Talk to one of our experts.

Our aviation experts can use Clarity to help your airport identify the most impactful initiatives to decrease emissions in perfect balance with your operation.

