PRODUCT DECK



Clarity

NATS

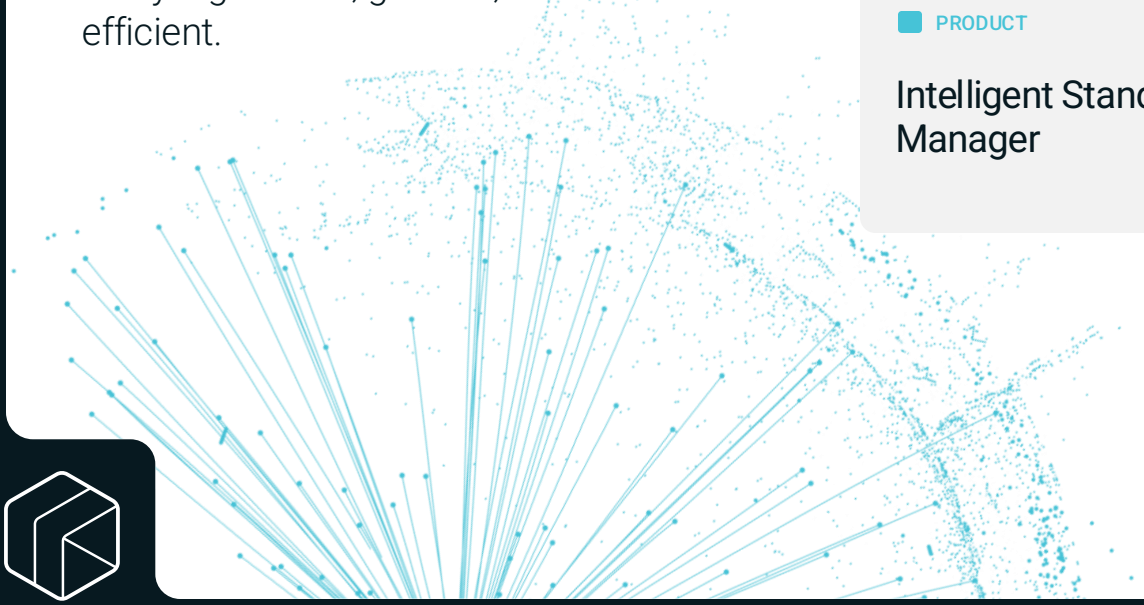
PRODUCT
Clarity

Our Portfolio

Innovative technology. Operational expertise. Smarter operations.

Technology, data and AI are changing the way airports grow and operate. Air traffic control and aerodrome operations are coming together as one connected system.

Our airport solutions enable teams to automate, predict and simulate to make every flight safer, greener, and more efficient.



PRODUCT
Airport Capacity Enhancement

PRODUCT
Demand Capacity Balancer

PRODUCT
Strategic Airport Capacity Manager

PRODUCT
Digital Towers

PRODUCT
Intelligent Stand Manager

PRODUCT
Clarity

PRODUCT
Drones and AAM Operations

SERVICE
Air Traffic Services

SERVICE
Engineering Services

SERVICE
Training

SERVICE
Instrument Flight Procedure Design

The Challenge

Why was Clarity created?

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.

Clarity helps airports make the most impactful decisions to reach their sustainability targets while optimising operations.

> How can we protect the benefits of aviation while minimising emissions?

CHALLENGE

> Is it possible to balance sustainability needs with operational and commercial priorities.

CHALLENGE

> We need something that's visual and easy to use.

CHALLENGE

> When investing, how can we predict, compare and quantify the benefits of new initiatives to demonstrate impact?

CHALLENGE

> How can we gain consensus among an airports many stakeholders?

CHALLENGE

The Product

Pinpoint airport emissions. Improve environmental performance.

Clarity helps airports demonstrate the environmental impact of existing and new initiatives across airside operations & terminal airspace.

Who

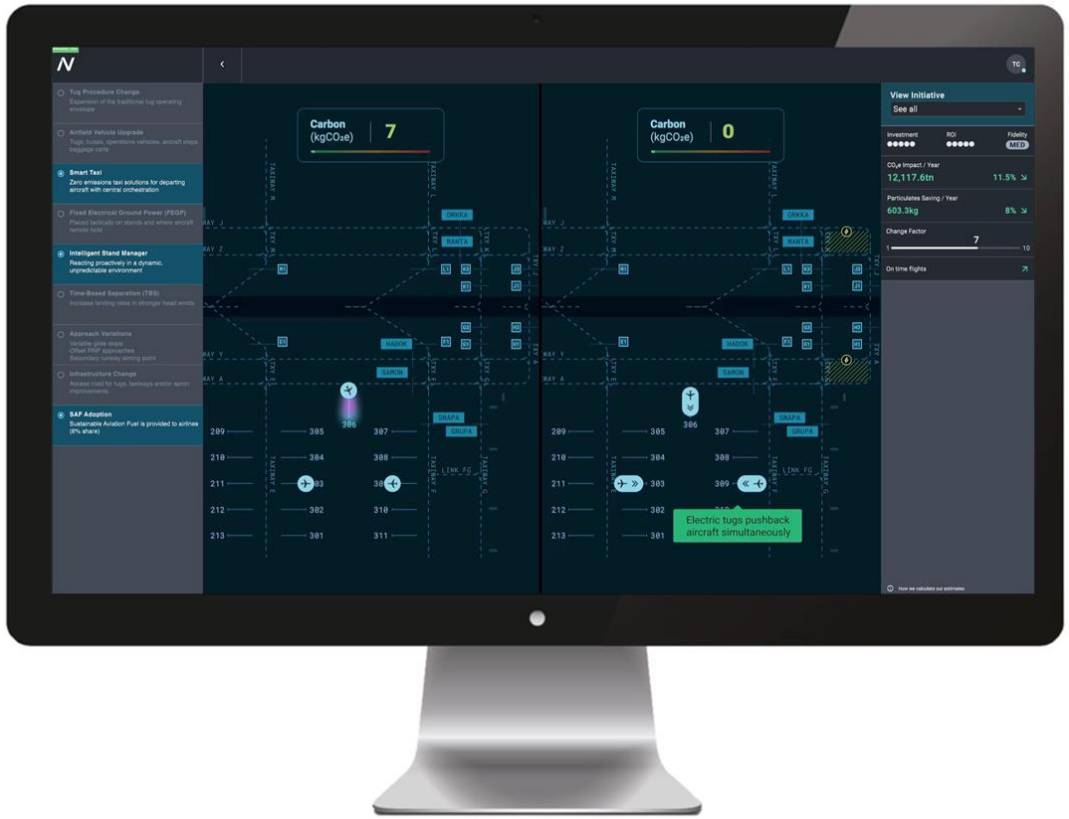
Airports who want to balance growth with achieving sustainability targets.

What

An airport environmental tool and advisory service that helps airports make informed, evidence-based decisions around investment and operational changes.

Why

Empowers you to align stakeholders and make changes that contribute to the reduction of CO_2, noise and particulate emissions.



The Product

How does Clarity work?



Historic operational data, emissions and noise records, observations and interviews



Airport strategic priorities and targets, future schedules, planned improvements, investment options



Previous analysis and modelling, case studies

1



Detailed data analysis, complex scenario modelling, environmental impact assessment

2



Clear visualisation and simple communication of environmental impact

3



Stakeholder engagement, investment decision support

4

Key Features

Pinpoint airport emissions. Improve environmental performance.

Data Visualisation

Compare change or investment scenarios.

Quantifies Emission Savings

CO_2, noise and particulates.

Interrogates Data

To understand the impact of initiatives over time.

Establishes Baseline

For environmental performance to demonstrate the impact of current or future initiatives.

Adapts to Data Sources

For any size airport and available data sources.

Key Benefits

Pinpoint airport emissions. Improve environmental performance.

Guides Investment

Leveraging ATC experience to model environmental and operational impacts to support decisions.

Aligns Teams

Enables collaboration by revealing CO_2, noise and particulate emissions through visualisations and modelling.

Informs Planning

Evidence-based insights to prioritise initiatives.

Improves Environmental Reputation

Demonstrate actions towards environmental targets.

Compliance

Identifies a roadmap to ensuring compliance with environmental legislation now and in the future.

Working Globally

Our airfield and airport experience encompasses some of the world's busiest and most complex operations in the world.



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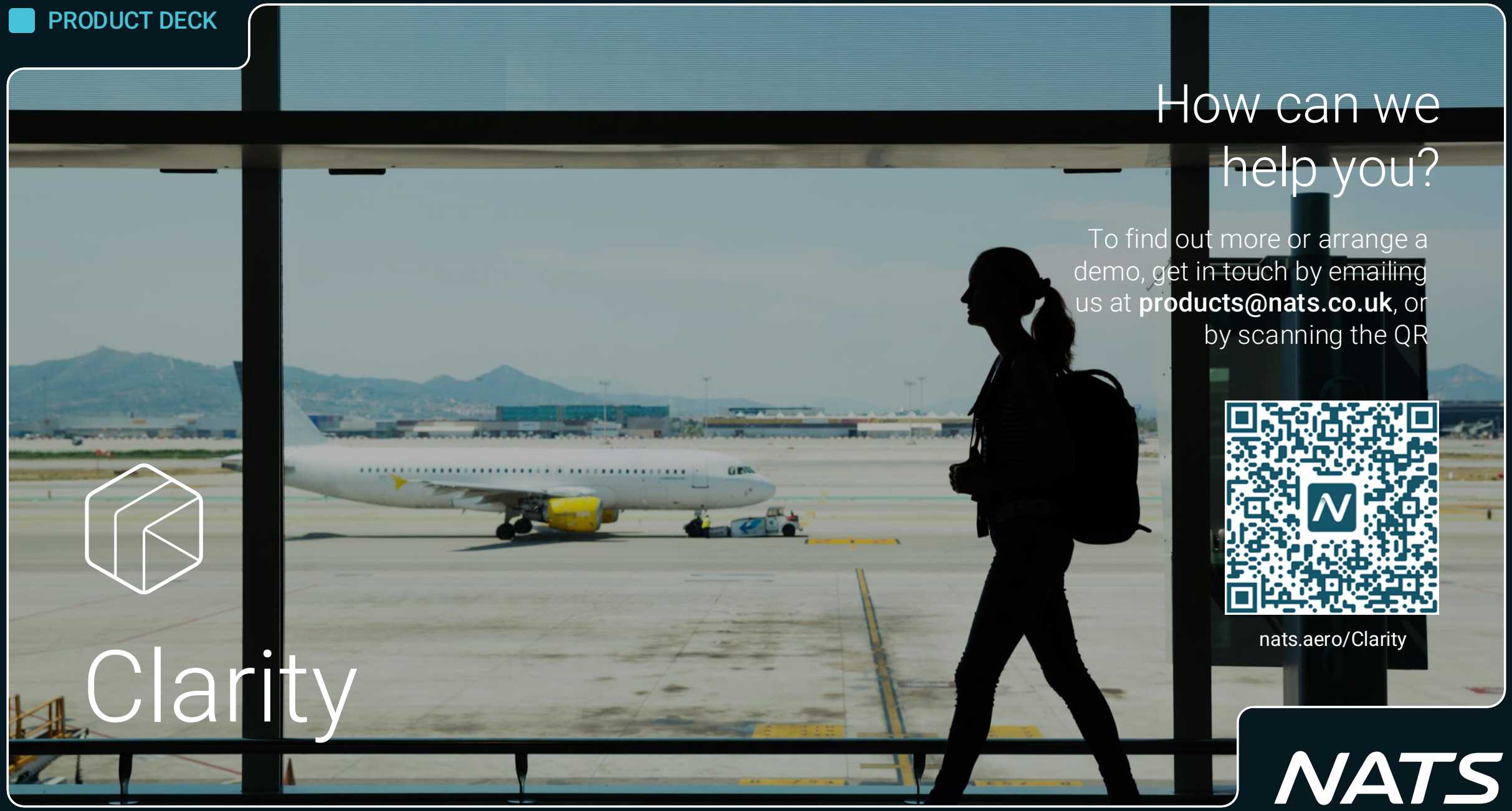

How can we help you?

To find out more or arrange a demo, get in touch by emailing us at **products@nats.co.uk**, or by scanning the QR

nats.aero/Clarity

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