Airport, ANSP

NATS

Airport Capacity Enhancement



Our Portfolio

Innovative technology. Operational expertise. Smarter operations.

NATS helps airports and ANSPs globally to meet demand, build resilience and operate sustainably.

Optimising systems from the ground to the air, we use our operational expertise and advanced technology solutions to unlock the true value of your assets. Our constantly evolving technology solutions deliver enhanced performance through predictability, and lead the way to the digitalised, integrated airports of tomorrow.

Airport, ANSP
Airport Capacity Enhancement

ANSP, Airport
Demand Capacity Balancer

Airport
Strategic Airport Capacity Manager

ANSP, Airport
Digital Towers

Airport
Intelligent Stand Manager

Airport
Clarity

ANSP, Airport, Operators
Drones and AAM Operations

Airport
Air Traffic Services

ANSP
GAIN

Airport, ANSP
Intelligent Approach

Airport, ANSP
Engineering Services

Airport, Developer
Wind Farms

Airport, ANSP
Instrument Flight Procedure Design

Airport, ANSP

The Product

What is ACE?



Airport Capacity Enhancement (ACE) is our specialised diagnostic and consultancy service. It:

Helps airports identify constraints.

Unlocks potential capacity and improves operational performance.

Combines data analysis, simulation, and expert operational insight to create a clear, evidence-based roadmap for resilient, efficient and predictable growth.

NATS

The Challenge

Why was ACE created?

Working together to resolve challenges, shape your future operations, and deliver benefits to your customers and communities.

Airports are under growing pressure to deliver more capacity from the same infrastructure as demand rises and resources tighten.

Operators need a clear, objective view of how their airfield and airspace really perform — and where hidden constraints are limiting throughput.

Stakeholders require trusted, evidence-based insight to make confident investment decisions and balance short-term pressures with long-term growth.

Existing tools and fragmented data often fail to provide the integrated, system-wide understanding needed to plan effectively for future challenges.

Airports need a credible, independent assessment that aligns teams, benchmarks performance and identifies the most impactful operational improvements.

The Product

How can ACE help you?

ACE provides a holistic assessment of airfield and airspace operations to reveal hidden capacity and operational inefficiencies.

It benchmarks performance against comparable airports to establish a factual and trusted baseline.

It models improvements and forecasts benefits to support confident, long-term investment decisions.

It delivers a tailored roadmap aligned to each airport's needs, enabling stable, predictable and scalable operations.

Optimise

Reveals an activates potential capacity without the need for major capital investment.

Collaborate

Working with you to deliver stable, predictable operations through intelligent forecasting and constraint-based planning.

People

Creates a trusted view of your airport's future capacity, helping to align stakeholders and inform decision making to support growth.

Business

Improves punctuality, resilience and overall operational performance.

The Product

How can ACE help you?

Optimise

Sustainable solutions supporting decarbonisation and green agendas.

Collaborate

Implement strategic, pre-tactical and tactical collaboration.

People

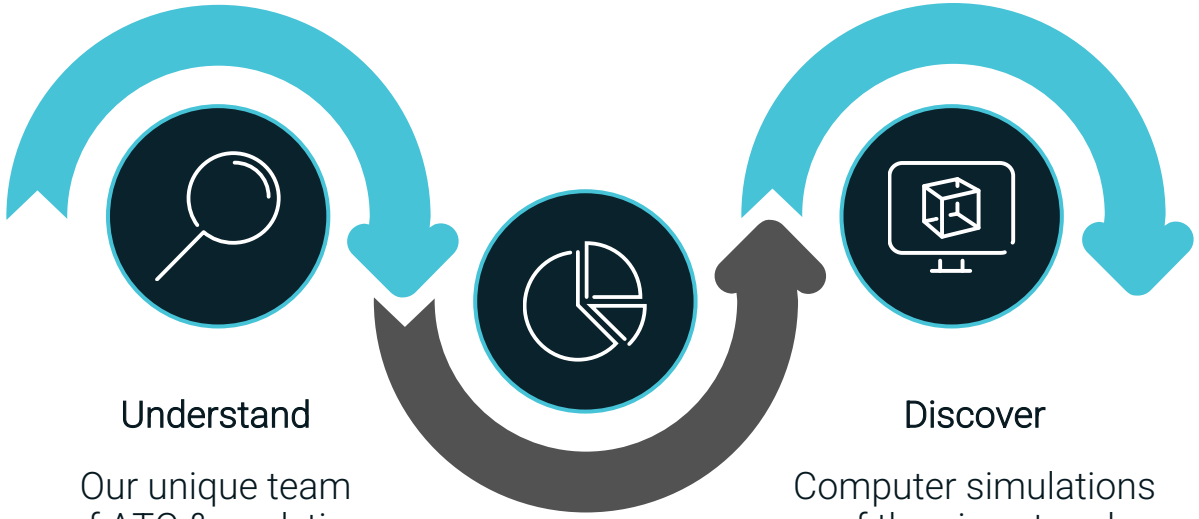
Using our knowledge to ensure new infrastructure is fit for purpose.

Business

Supporting Airports, ANSPs and Airlines in 30+ countries.

How ACE works

Understanding capacity potential



Understand

Our unique team of ATC & analytics experts visit the airport operation to observe & meet with your local experts

Analyse

Operational data is analysed using our proprietary software to provide a comprehensive fact-based assessment of performance

Discover

Computer simulations of the airport and airspace operation can be developed to model current & future potential capacity. Options for increased

Airport, ANSP

Case studies

NATS

Case studies

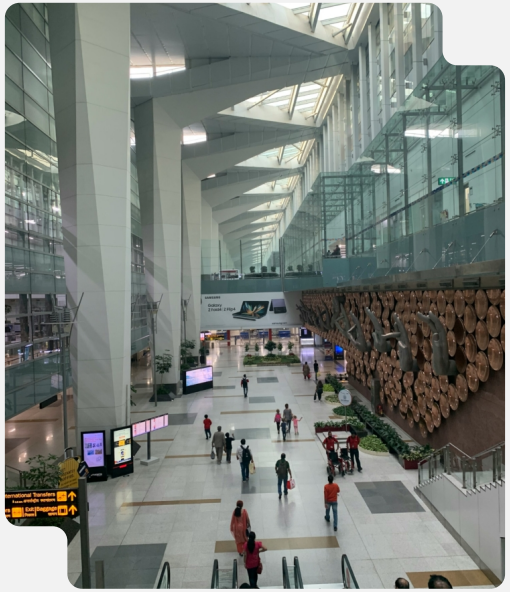
Mumbai

Despite a complex, cross-runway operation, Mumbai has grown from 36 movements per hour to 48, adding $100m in revenue a year.



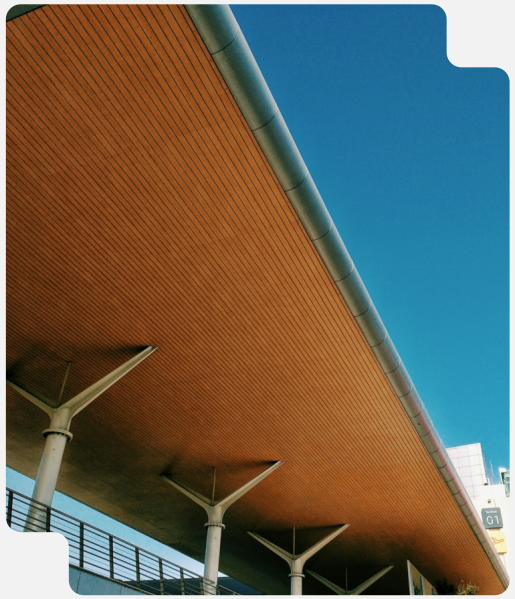
Delhi

Delhi is achieving 16% annual growth, capitalising on the demand from low-cost, short haul domestic flights in India.



Lisbon

Thanks to operational enhancements uncovered by ACE, Lisbon was able to delay a €3 billion capex investment programme.



PRODUCT
Airport Capacity Enhancement

ACE Case Studies



Working Globally

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



Airport, ANSP

Airport Capacity Enhancement

How can we help you?

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

nats.aero/our-solutions/ACE

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