

Airport Capacity Management (ACM)

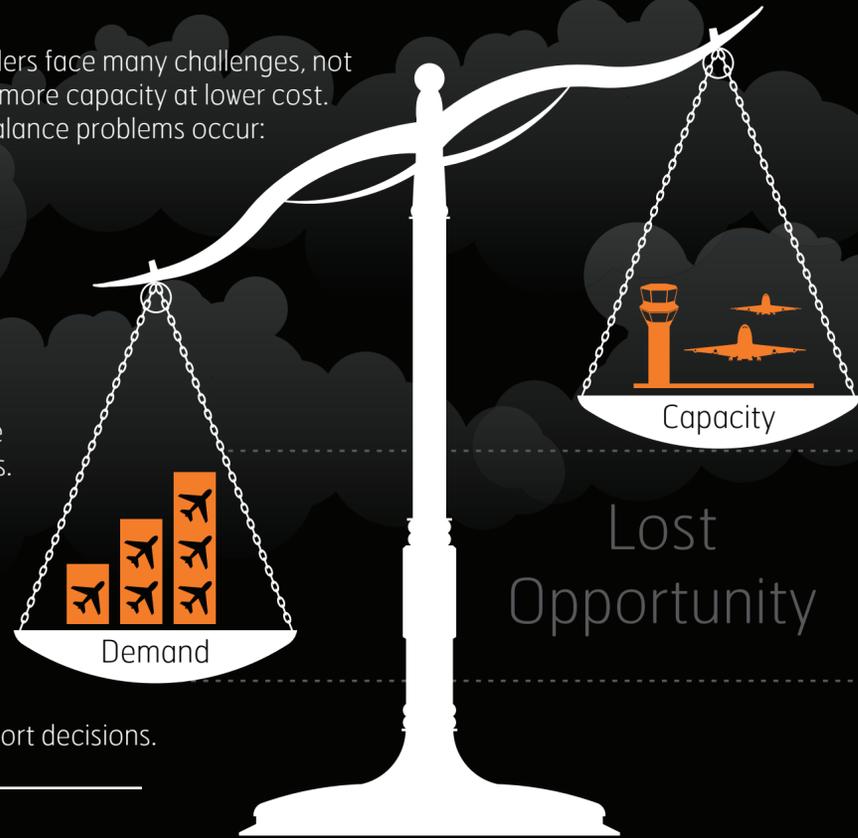
Precision Planning for Airports

In today's climate airports and ATC providers face many challenges, not least the pressure to consistently deliver more capacity at lower cost. When demand and capacity get out of balance problems occur:

- Lost Revenue
- Delays
- Increased Service Costs
- Poor Passenger Experience
- Missed Connections
- Reduced Public Confidence

Infrastructure development and schedule co-ordination can help solve these issues. In a safety critical environment, making operational changes with confidence requires the right information at the touch of a button.

ACM uniquely combines the power of data analytics and advanced simulations to put the user in control of strategic airport decisions.



Benefits



Actionable Insight

Data rich, fast, and easy to use analytics to enable capacity and performance optimisation.



Smart Planning

Targeted capacity and performance monitoring to focus stakeholders on optimised delivery.



Informed Investment

Ensure the most efficient use of airport infrastructure to avoid redundant capital expenditure.



Assured Solution

A class leading, lean, and transparent process aligned to IATA world-wide slot guidelines.

Proven to increase capacity even at the most constrained airports

Accurately and Quickly

Working together in close collaboration, NATS and Heathrow implemented ACM in April 2014. A Heathrow spokesperson said:

“The ACM system means airports can now accurately and quickly simulate the impact of various factors on performance, for example stand closures, scheduling delays, and poor weather. This means we can identify the existing and future capacity of runways with greater certainty.”

Features

Working in partnership with Heathrow Airport in developing ACM, NATS have honed over 30 years of experience in airfield simulation to put the right information at your fingertips so that decisions can be made with confidence.



Simulation

Fast and accurate runway capacity model built on class leading simulation technology.



Analytics

Identifying trends in performance to pro-actively target airfield improvement projects.



Knowledge Library

Results are stored and shared among users to maximise the learning potential.



Scalable and Future Proof

A modular solution that can be tailored to meet your needs including current and future concepts.



Continuous Performance Monitoring

Enables changes in airport users' performance to be identified and pro-actively managed.



Web-Based Technology

ACM can be used anywhere, anytime so that you can make important decisions in an instant.

Achieving

Through targeted infrastructure and scheduling changes driven by the proven simulation and analytics available in ACM, airports and ATC providers can now ensure that demand and capacity are strategically balanced. This brings:



Future Growth Assured



Inefficient Investment Eliminated



Revenue and Profits Increased



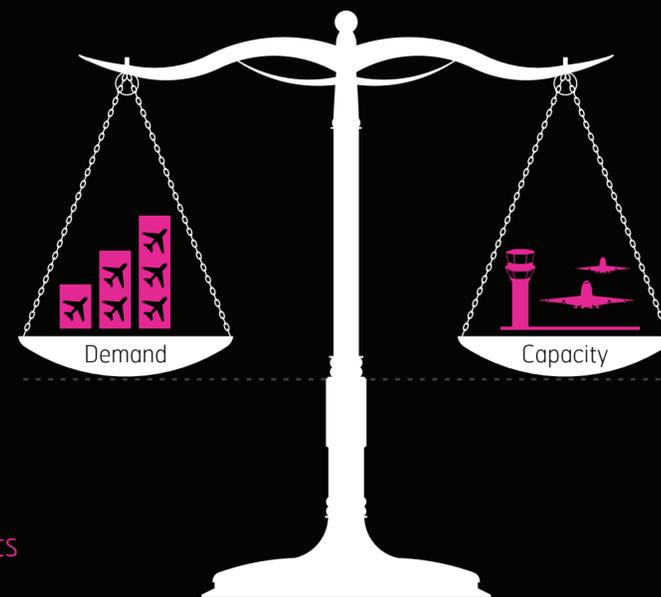
Passenger Experience Improved



Operational Improvements Enabled



Airport Capacity Optimised



ACM is the capacity solution that aligns master planning and operational delivery. For more information visit nats.aero/acm or email ACM@nats.co.uk.