



Airport traffic forecasting

The 7th Wave Consultancy team provides comprehensive and fully integrated services combined with a unique approach and methodology for air traffic forecasting.

Whether you require annual forecasts for tourism planning, or peak hour movements for airside and terminal planning, you can rely on our experience and tools for your required traffic forecasts.

Our Expertise

Our team has extensive experience in airport traffic forecasting and we have prepared forecasts for over 30 airports, both small and large on almost every continent. Our clients have also asked us to peer-review forecasts by other organizations. We typically combine a bottom-up approach to forecasts, considering air service developments for the short term, with a top-down approach considering economic, demographic and airline industry factors for the long term. In addition to traditional forecasting techniques, our experts use a scenario-based approach where the construction and timing of major proposed projects, such as hospitality or other major development, which could significantly impact traffic are uncertain. Our clients rely on our forecasts for terminal and airfield planning, capital investment decision making, financial planning and noise analysis.



70+ AVIATION
FORECAST
STUDIES
FOR
30+ AIRPORTS

Types of traffic forecasts

- › Annual passengers, movements and cargo by traffic segment
- › Planning peak hour passengers and movements by segment
- › Aircraft gating requirements by segment and ICAO aircraft code
- › Nominal flight schedules and Busy Day schedules

Our team has completed 70+ aviation forecast studies for more than 30+ airports around the world.

Why forecast traffic under various scenarios?

Future values are uncertain. You need to be aware of how much traffic could differ from the "Likely" case.

- › Scenarios can reflect specific developments in the area, such as proposed new attractions or events
- › Financial plans should consider the case where traffic and revenues are lower than expected - a Low or Pessimistic scenario helps identify this case
- › Facility planning should be prepared for stronger traffic growth than anticipated and allow planned improvements to be brought forward if necessary. A High or Optimistic scenario indicates how quickly these plans could be advanced

We use leading industry software tools to enhance the accuracy of our forecasting activities



Airline schedule and ticket database

- › Provides access and analysis of the OAG global airline schedule database; airline seat analysis by airport or market region, time of day, aircraft type, airline hubs, airline, alliance information and other categories
- › Includes tools for analyzing air passenger markets, flight connections and route mapping; such as estimates of passengers by city-pair and point-of-sale

Airline schedule impact model

- › Used to understand current passenger demand in the terminal, create future airline schedules consistent with annual traffic forecasts, and develop forecasts of peak hour number of passengers by direction and segment and of aircraft gate requirements by ICAO aircraft code

Featured projects

CATSA – Across 89 Airports in Canada

- › We prepared 10-year annual Enplaned/Deplaned, Origin/Destination and screened passenger forecasts for all Class 1, 2 and 3 airports in Canada. We update these forecasts annually for our client

Ottawa Macdonald-Cartier International Airport, Canada

- › Our team prepared 20-year forecasts of annual and peak hour traffic and aircraft gate requirements.

Kelowna International Airport, Canada

- › Our team prepared 20-year forecasts of annual and peak hour traffic and aircraft gate requirements.

Sangster International Airport, Montego Bay, Jamaica

- › Our client asked us to prepare annual air passenger forecasts for use in their financial planning of facility improvements.

To find out more of how 7th Wave can assist you in Airport Traffic Forecasting please contact:

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