

Airport Scenario Planning and Forecasting

ENABLING AIRPORTS TO CREATE TRAFFIC FORECAST AND CAPACITY SCENARIOS, ESTIMATE AVIATION AND NON-AVIATION REVENUES & COST SCENARIOS

Over the past 12 years, BEONTRA has developed an integrated corporate planning software suite that enables airports to address “what-if” scenarios.

Through fast business case-building and highly scalable modelling, airports are empowered to deliver timely and accurate forecasts.

The BEONTRA suite is able to deliver planning and forecasting schedules covering all time horizons from the hours ahead to the next 20 years.

- ▶ Operational on-the-day prediction: delivering passenger waiting time forecasts within the terminal for the day ahead hours.
- ▶ Operations planning: highly accurate forecasts for the coming days, weeks or months
- ▶ Tactical planning: for the next season or the next year
- ▶ Strategic planning: over the next 10 to 20 years

BEONTRA Scenario Planning supports airport operators across the planning function. It delivers highly detailed, schedule-based air traffic forecasts focusing on passenger and traffic figures. Aircraft movements can be modelled and visitor flow data tracked and segmented. Infrastructure capacity can be forecast so that airports can predict the constraints on the number of check in counters, security lanes, gates and parking stands.

The BEONTRA suite complements operational planning functionality with commercially focussed applications including non-aviation revenue planning and route development scenario planning. The result is a consolidated suite of planning and forecasting tools that can benefit your entire operation.

Using the BEONTRA suite, we reduced check-in counter demand, saving €20M in CAPEX. We also increased security per FTE throughput by 42% in 3 years which resulted in €8M OPEX savings per year.

Thomas Hoff Andersson,
Director of Passenger &
Terminal Services,
Copenhagen Airports

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BEONTRA SCENARIO PLANNING OFFERS AIRPORTS AN INTEGRATED SOLUTION COVERING A BROAD RANGE OF USE CASES:

Area	Fields of Applications	Beontra System Modules
Long-Term Forecasting	Demand oriented traffic forecasting, covering periods of +5 to +40 years based on industry best practice	B Strategic
Schedule based Forecasting	Flight by flight, year by year traffic forecasts delivering the greatest possible level of detail whether it is the next business year or 30 years into the future	B Tactical
Operational Forecasting	Day by day traffic forecasting to support operational decision making and delivering data that enables more efficient resource allocation and management	B Operational
Revenue Planning	Create pricing scenarios based on existing or new variables (e.g. bags, emission values) in order to model the impact of new tariff structures and generate business plans	B Revenue
Capacity Planning	Model alternative capacity flows through an airport's infrastructure and test alternative traffic scenarios in order to highlight capacity constraints and optimize infrastructure usage	B Capacity
Route Development	Analyze new route opportunities and create convincing route cases to be presented to carriers	B Route Development
Non Aviation	Model non-aviation related input factors (e.g. passenger spending rate) and analyze and optimize non-aviation processes and revenues	B Non Aviation

Our airport operational solutions are trusted by over 70 airports globally to help more efficiently handle 1.1 billion passengers and 3 million flight movements annually.

From passenger tracking to resource management; AODB to aeronautical billing; forecasting and revenue planning; departure sequencing to time-based flow measurement; Leidos offers the most comprehensive suite of airport solutions that offer an end to end view of the operation that consolidates terminal, airside ATM and decision information systems.

From sidewalk to sky, we've got it covered...

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