AIRPORT ANALYTICS

Improving Operational Performance
and Enhancing Passenger Satisfaction

ST Engineering

OPTIMISE AIRPORT PERFORMANCE

Our unique solutioning approach for Airport Analytics enables business leaders, executives and operational teams with analytics capabilities powered by Machine Learning/Artificial Intelligence (ML/AI) to support data-driven and fact-based decision-making capabilities.

Airport Analytics supports airport performance by optimising costs and increasing revenue whilst enhancing passenger satisfaction.

CHALLENGES

As air traffic doubles every 10 to 15 years,

surging air transport demand

threatens to outstrip current and planned airport infrastructure in many regions around the world.

Understanding passenger trends from arrival to departure is key for resources planning and allocation

Airports are **prone to congestion** during peak seasons

Increasing demands to **optimise terminal and airside capacity** along with building **additional runways and terminals**

These challenges drive the increasing need to use analytics to determine insights from past trends and patterns, to predict future passenger and operational efficiencies.

SOLUTION

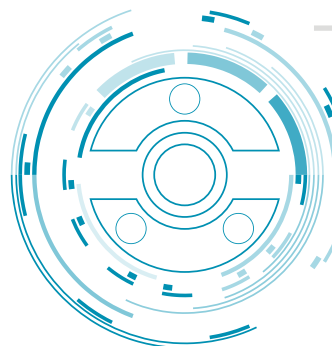**Airport Analytics** delivers a comprehensive broad range and in-depth advanced analytics capabilities:

- Enabling airports with a unified view of airport operations
- Improving the entire passenger experience from curb to gate, enabling and optimising operational planning, and decision-making

Embedding analytics into airport processes, ground handler interactions and passenger experience facilitate frictionless integration of information and analytic models directly into process flows.

Advanced analytics takes advantage of a wealth of data from airport systems and sensor data to complete the feedback loop between operational processes and information, creating an analytics capability that is central to the operation of the enterprise.

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