PAX ANALYZER SOLUTION

Real-Time Analytics and Predictions

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PAX
ANALYZER

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WHAT IS TAV TECHNOLOGIES PAX ANALYZER SOLUTION?

TAV Technologies PAX Analyzer is a smart system that collects data from different airport systems such as CUPPS, TDAS, and AODB to create meaningful passenger flow data through passenger tracking technology. It is an advanced analytic solution designed to evaluate passenger movement behavior inside the terminal.

PAX Analyzer depicts the performance of various passenger transaction points such as check-in, border control, and gate desks. Moreover, it provides valuable predictions for future flights with flight, airline, and destination breakdowns for airport operation planning teams.

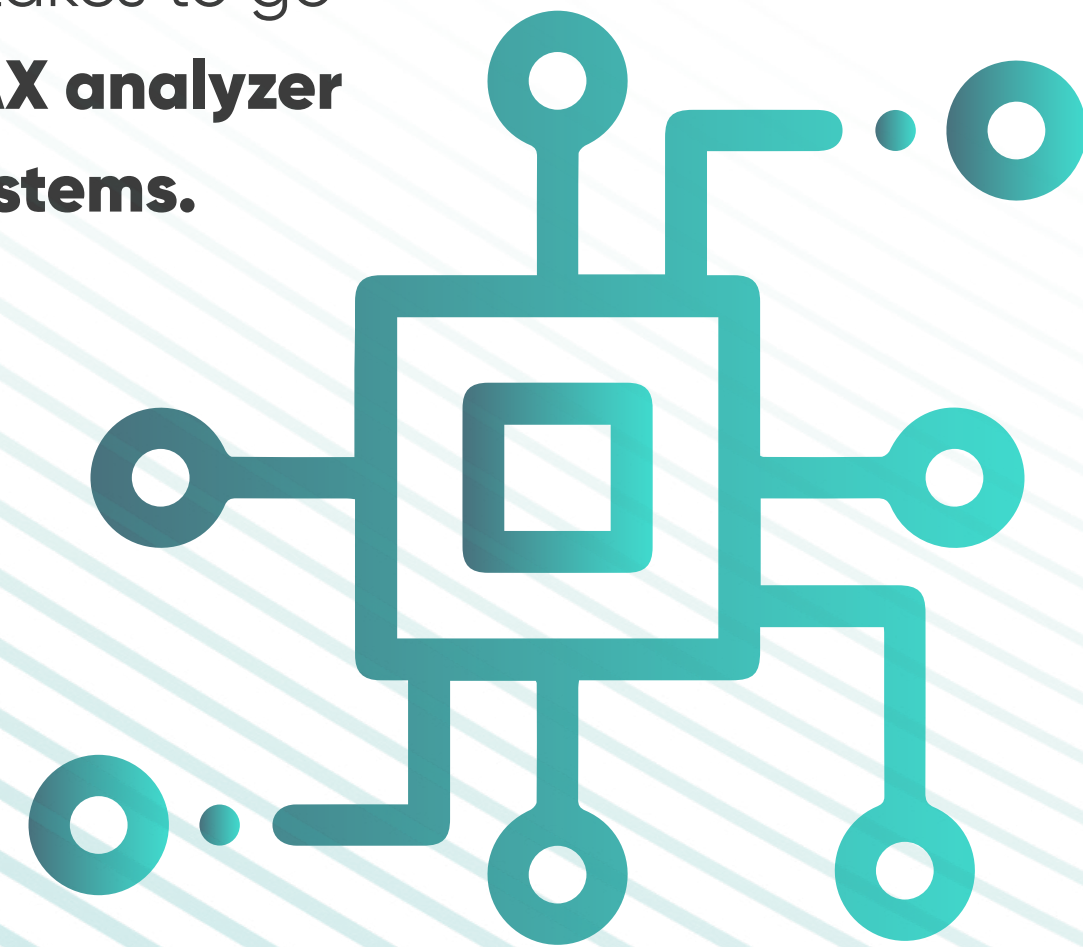It is also highly effective in supplying insights concerning:

- **Passenger movement**
- Dwell time characteristics
- **Counts in airside and landside**
- Processing speeds of check-in, border control, boarding desks of the same destination, flight, or airline.
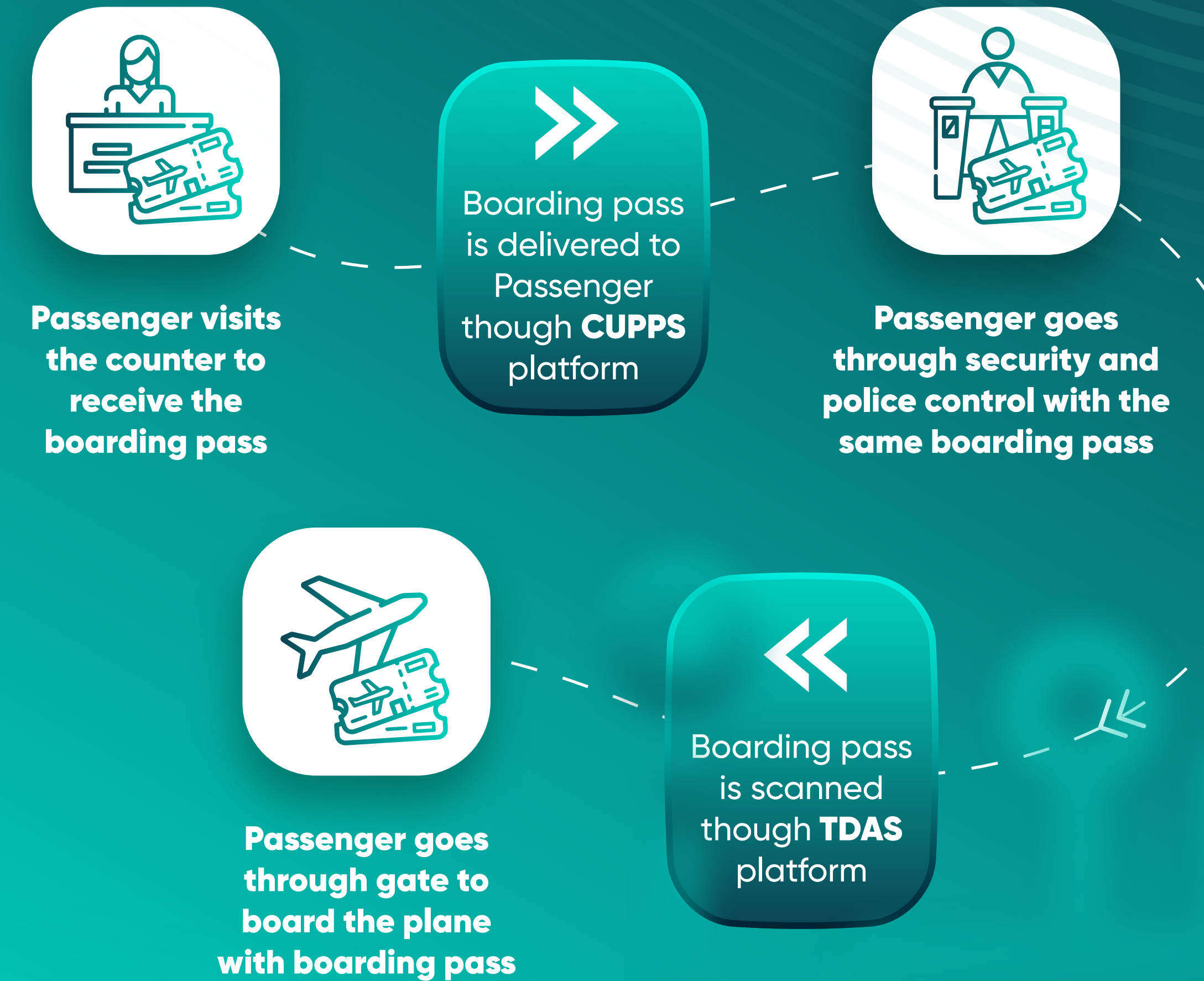
WORKING FLOW OF PAX ANALYZER

PAX Analyzer provides real-time analytics and predictions by utilizing boarding pass-related passenger process transactions performed on CUPPS, TDAS, AODB, and AIDX messages of flights. Passenger flow is tracked in each step after a boarding pass is created for each person. Thus, airport operators can track how long it takes to go from the counter to the gate through **PAX analyzer that works integrated with the other systems.**

PAX Analyzer can track passenger flow through following passenger transactions on other systems:

Passenger visits the counter to receive the boarding pass

Boarding pass is delivered to Passenger though **CUPPS** platform

Passenger goes through security and police control with the same boarding pass

Boarding pass is scanned though **TDAS** platform

Passenger goes through gate to board the plane with boarding pass

KEY BENEFITS OF TAV TECHNOLOGIES PAX ANALYZER

IMPROVED SERVICE QUALITY

PAX Analyzer provides a better understanding of passenger flow in the terminal building to improve airport service quality and performance.

COLLABORATION AMONG PARTIES

The system improves situational awareness and collaboration by sharing airport data with other stakeholders and systems.
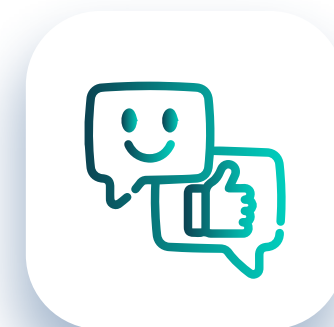
PREDICTABLE OPERATIONS

PAX Analyzer focuses on airport passenger data analytics with artificial intelligence to deliver data insights and predictive scenarios.

RESOURCE EFFICIENCY

The system helps leverage airport infrastructure data for better and fine-grained capacity planning, and optimization for fixed and mobile resources.

PASSENGER SATISFACTION

PAX Analyzer increases passenger satisfaction with reduced queues and improves their experience.

KEY FEATURES OF PAX ANALYZER

Real-time Analytics

The system offers passenger arriving time patterns about check-in desks; dwell times, and passenger counts in landside or airside with flight, airline, destination, and terminal breakdowns. It also evaluates passenger speed at passenger transaction points while giving details about desk efficiencies and utilization. Overall, PAX Analyzer provides significant information on check-in, border control, and boarding process durations.

Predictive Analytics

The system supplies predictions regarding arriving passenger count and airside&landside passenger count for terminals with each 30-minute time window in the next three days.

Comparison Analysis

The system can make a comparison of performances based on selected days and terminals.

Modern Themes

Users can choose the best theme according to their preferences with dark and light options.

Playlist Mode

Users can view playlists with selected dashboards to understand critical metrics.

Flexible Time Range

Users can analyze any period on the same dashboard with predefined time intervals.

Flexible User Management

The system provides role creation, user&team creation, permission management, and session control.

View Options

The system offers a map view and kiosk mode view according to the user's preference.

Post Operation Analytics

All data specified in the real-time analytics section is stored to let the users monitor the daily operational changes for any period.

Dashboards

Users can create dashboards as much as needed with more than 20+ chart types in different chart sizes, colors, positions, and fonts.

Data Aggregation Over UI

Various aggregation functions are provided to process data without any need for back-end development.

Alerts and Notifications

PAX Analyzer can send automatic alerts and notifications based on predefined business rules. Users can also share alerts and notifications on the Microsoft Teams channels.

ABOUT TAV | TECHNOLOGIES

40+ Products	40+ Airports	15 Countries	3 Continents	170 Million Passengers

TAV Technologies, a subsidiary of TAV Airports Holding which is a member of Groupe ADP, is a leading technology brand; designing, developing and implementing aviation services and solutions globally.

As a visionary technology solution partner and a master systems integrator; it provides total technology management, delivers best-in class designs & turn-key integrated solutions it develops in its Research-Development Center and Innovation Hub.

The company covers all 3 main streams of information technologies in one company; in-house software product development, contractor for complex ICT projects and IT operations management & consultancy.

Its Smart Airport concept creates high satisfactory experience for passengers, airlines and airports by taking full advantage of the latest technologies and innovations.

It is recognized and trusted globally for 24/7 Operation and Support, state of the art design, installation, configuration and integration for Airport IT & Building Technologies with its agile teams. It provides services in line with internationally accepted ITIL, COBIT standards and has a wide business partnership network with leading companies in the industry. It has also been accredited by the ISO 9001 Quality Management System and ISO 27001 Information Security Management System certificates.

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tavtechnologies.aero

Ayazağa Mahallesi,
Azerbaycan Caddesi,
2C Blok No:3L
No:3 Sarıyer / Istanbul

+90 212 463 30 00

corporate@tavtechnologies.aero

/tavtechnologies

/company/tav-technologies

/user/TAVBilisim