



# Q-INSIGHTS™ Cloud Analytics for Airport Flow, Operations, and Experience

## Transforming Airport Data into Actionable Intelligence

Airports thrive on movement of passengers, baggage, and information.

Q-INSIGHTS turns that movement into actionable intelligence. It unifies data from Q-TRACK™ LiDAR's, and third-party systems into a single cloud platform that delivers real-time and historical visibility across the airport ecosystem from curb to gate.

With powerful analytics, dashboards, and forecasting, Q-INSIGHTS empowers airport operators to understand what's happening now, plan what's next, and optimize every touchpoint for efficiency, safety, and passenger satisfaction.



## Applications

### Passenger Flow & Journey Intelligence

- Live and historical wait times across check-in, security, and boarding to anticipate surges.
- Journey mapping and dwell analytics from curb to gate no cameras, phones, or PII.

### Operational Efficiency & Historical Insights

- Forecast staffing, cleaning, and gate resources to match passenger demand.
- KPI dashboards benchmark performance and automate shift-by-shift adjustments.

### Checkpoint & Boarding Analytics

- Detect stalled or underused lanes in seconds; rebalance for maximum throughput.
- Measure lane and gate productivity to optimize passengers-per-lane and turn times.

### Terminal & Gate Operations

- Monitor congestion in concourses, lounges, and restrooms, trigger service actions instantly.
- Gate-readiness views show boarding progress, crowding, and assistance needs.

### Resilience & Readiness

- Replay historical flow to refine contingency and recovery plans.
- Simulate operational scenarios to improve preparedness and decision-making.

Q-INSIGHTS, turning airport data into foresight.



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