About PASSUR

Our mission is to improve global air traffic efficiencies by connecting the world’s aviation professionals onto a single aviation intelligence platform, making PASSUR an essential element in tackling the $30 billion of current system-wide inefficiencies.

We are an aviation intelligence company that makes air travel more predictable, gate-to-gate, by using predictive analytics generated from our own big data to mitigate constraints for airlines and their customers.

The largest connected, global aviation customer network includes thousands of individuals, over 125 airlines, over 60 airports, over 200 business aviation organizations, and the US government.

The largest surveillance and data network of its type in the world includes terabytes of data from sensors, including aircraft, all over the world.

- We’ve been storing flight, airspace, aircraft, and airport data—hundreds of parameters, thousands of updates (every 1.0–4.6 seconds)—for over 10 years, in hundreds of locations.
- We have over 180 company-owned surveillance sensors, covering hundreds of airports and their airspace.
- We integrate and fuse additional data sources—government flight plans, en-route tracking, surface tracking, satellite-based aircraft positional updates, onboard aircraft positional updates, airline flight status data, and airport gate and status data.

Here are a few examples of how PASSUR facilitates data-driven decisions made by our experienced customers, who help make a difference to everyday travel:

1. 53% of all US domestic commercial flights are managed with PASSUR predictive analytics for predicted arrival times by using years of archived data and real-time airspace analysis, allowing airlines and airports to always be ready for the aircraft. This capability reduces gate “unmets,” helping connections of people, crew, and bags, and getting the plane ready for its next departure. (If not, passengers are more likely to wait at the gate for the door to open, bags don’t get to their destination, or connections are missed.) This single capability could save one airline over $15 million each year.

2. We maximize airspace, runways, and gate usage by using predictive analytics to determine how airports should be configured to get the most out of their capacity. (If not, decisions are less likely to be data driven but instead based on experience only, resulting in fewer planes landing during busy times of the day.) This single capability could save one airline over $12 million each year.

3. We help airlines, airports, and air traffic control prioritize departures to maximize capacity and minimize delays by helping to ensure that all three stakeholders work in unison with the most accurate, timely information. (If not, departures push back from the gate whenever they’re ready, creating blocked gates and extended taxi delays.) This single capability could save one airport and its airlines over $15 million each year.
What’s New
PASSUR Solution Upgrades in 2016
Recent PASSUR upgrades, enhancements, and releases.

1. Lighting Up the Last Mile
PASSUR surface surveillance (Surface Multilateration, or SMLAT) as a new capability, providing coverage gate to gate.
- PASSUR Surface Multilateration (SMLAT) systems have been installed at three major airports so far, and are contracted for three additional locations—all on behalf of some of our biggest airline partners, providing visibility and decision support in complex, congested surface areas.
- Introduced low-cost surface vehicle tracking, to cover non-aircraft movements.

2. No More Surprises: ETAs Gate-to-Gate
Gate-to-gate arrival time prediction (or “extended ETA/ XETA”), to provide the uniquely accurate PASSUR arrival time prediction through the entire flight.
- Completed first phase—PASSUR ETA is now active from wheels up to gate in, ensuring early, consistently accurate ETAs to enable better decisions about connections, gate allocations, schedule adjustments, crew allocations, and many other ETA-dependent decisions.
- Deployed this capability system-wide for the launch PASSUR airline customer (covering arrivals at 285 airports).

3. My PASSUR Data
Visualize, generate alerts, and receive notifications for PASSUR’s multiple flight, airport, and airspace metrics to support operational and business priorities.
- Launched P-IQ (“PASSUR Intelligent Query”)—enables airlines and airports to segment their most important operational objectives, and then automatically alerts and notifies them to actions they can take to achieve their goals.
- Initial metrics supported: Preserving on-time scores, optimizing delay programs, optimizing turn times, prioritizing departure sequences, and de-conflicting surface bottlenecks.

4. Predicted Airport Demand
Helping all stakeholders understand the true expected demand in advance, to ensure optimal arrival capacity.
- Launched PFSM (“PASSUR Flight Status Monitor”)—shows true inbound demand to determine the exact adjustments needed to preserve schedule integrity, prioritize high-value flights, proactively manage connections—and reduce congestion, disruptions, delay minutes, cancellations, and diversions.
- Part of PASSUR Traffic Flow Management solution, enabling airlines, ATC, and airports to set the optimal arrival and departure rates by hour, 16 hours in advance.

5. Connectivity and Collaboration
A total re-launch of the most widely used collaborative information exchange in aviation.
- Launched PASSUR Airport Communicator—the newest release of the PASSUR connectivity platform further enhances seamless communication and coordination through mobile-device compatibility, greater user configurability, and new airport-directed content management.
- Six additional airports have joined the platform: Ted Stevens Anchorage International (ANC), Reagan Washington National (DCA), Cleveland Hopkins International (CLE), Fairbanks International (FAI), Fort Lauderdale-Hollywood International (FLL), and Tampa International (TPA).

6. Beyond Landing Fees
A single, national platform for airports and airlines to manage the full range of aviation fees and charges.
- Launched PASSUR Integrated Fee Management platform, a centralized efficient portal into all PASSUR fee management capabilities.
- Launched Gate Reports, to track gate utilization.

For more information about PASSUR Collaborative Solutions, or to schedule a real-time online demo, contact sales@passur.com or call 888-340-3712. Visit www.passur.com.

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