

Houston Airport System Flight Tracking & Noise Monitoring

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Project Driver

- ❑ Houston Airport System (HAS) needs a collaborative decision-making (CDM) solution that improves the business performance of the Operations team by:
 - Providing shared situational awareness, monitoring, and alerting of operations
 - Automatic dependent surveillance-broadcast (ADS-B) surveillance tool; provides aircraft location, altitude, direction of travel, and air/ground speed
 - Providing real-time unrestricted access to all flight-track information for environmental (noise) monitoring and reporting

☐ Best-Value Competitive Action (RFP)

- Renew or replace existing flight traffic and noise monitoring software
- H93-FTANMS-2023-011 advertised Nov 4-11th, 2022
- Performed iterative technical and price evaluation of (3 of 3) qualified respondents



Project Deliverables

- The project includes the following:
 - Real-time, unrestricted, secure access to all flight-track information for monitoring and reporting
 - Access (web-based, software as a service) to live 24/7 data and gate-to-gate flight status information
 - Intuitive, easy-to-use system display, replay, data history (up to 5 years) & history export
 - Display multiple terminal areas for situational awareness, performance monitoring, and alerting capability

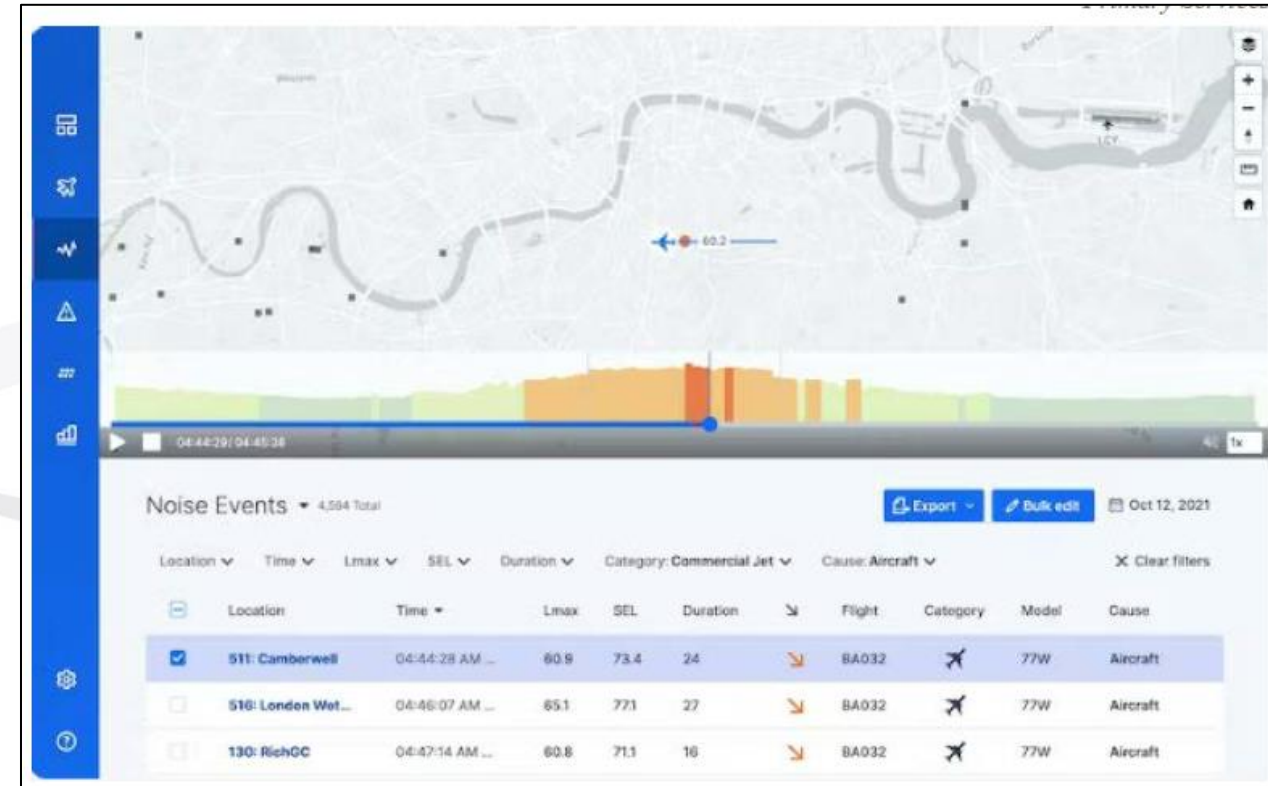


Figure 3 - Real-Time Workspace for Managing Congestions (Dark color theme)

Project Deliverables

□ The project includes the following:

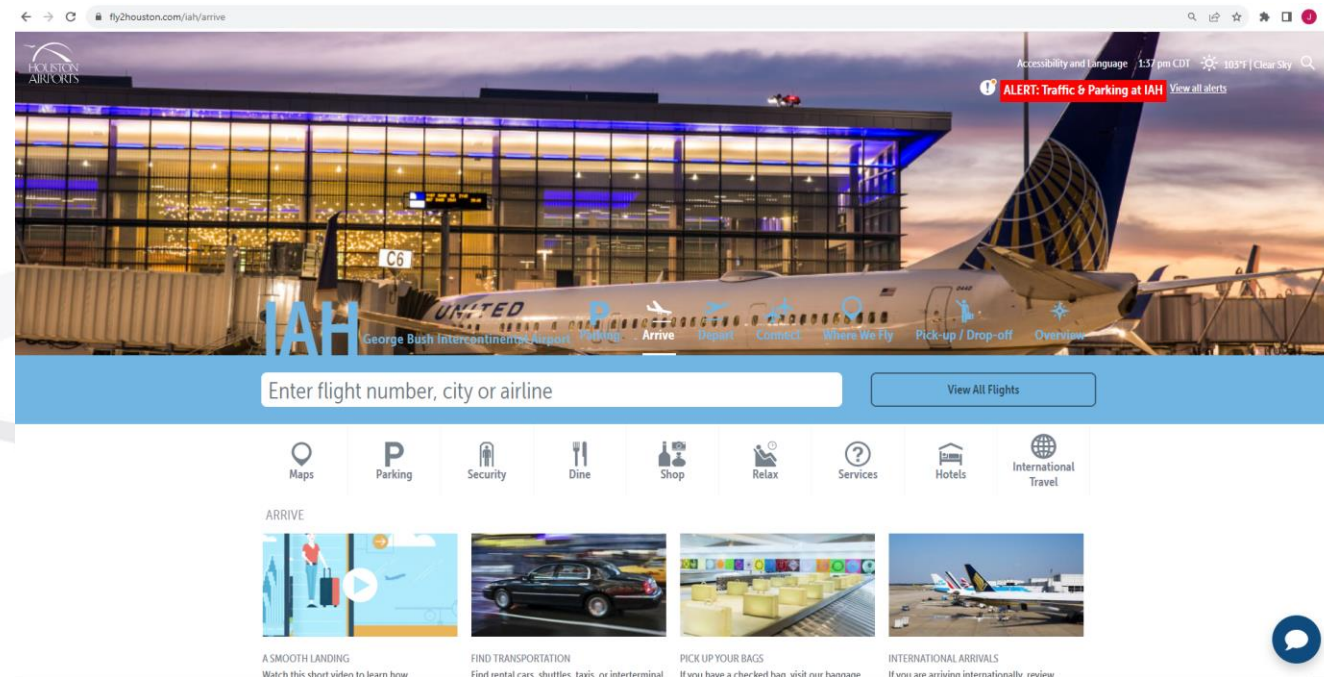
- Robust views of all airborne and airport surface traffic data
- Combine airport and weather data to create a singular view of the flight track and the airport
- Track and manage aircraft emissions to improve environmental compliance
- Noise monitors as needed
- Create standard or ad hoc custom reports



Project Deliverables

□ The project includes the following:

- Independent data feed for consumption in HAS Airport Operations Database and HAS data warehouse
- Service all three airports Bush, Hobby, and Ellington
- Initial, annual, and ad hoc training
- 24/7/365 Technical Support and Warranty for all services



Project Details



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|-------------------------|--|--------------|--------------|--------------|--------------|-------------------|--------------|--------------|--------------|---------------------|--------------------|
| Vendor | Saab Inc. | | | | | | | | | | |
| Purpose: | Council Action will: Approve an ordinance awarding contract to Saab, Inc. | | | | | | | | | | |
| Procurement: | RFP (H93-FTANMS-2023-011) | | | | | | | | | | |
| Terms: | Single Award; (5) Base Years with (3) One-Year Options | | | | | | | | | | |
| Contract Amount: | \$3,535,320.00 over (8) years | | | | | | | | | | |
| | Y1 | Y2 | Y3 | Y4 | Y5 | Base Total | OY1 | OY2 | OY3 | Option Total | Grand Total |
| | \$432,000.00 | \$432,000.00 | \$432,000.00 | \$432,000.00 | \$432,000.00 | \$2,160,000.00 | \$444,960.00 | \$458,304.00 | \$472,056.00 | \$1,375,320.00 | \$3,535,320.00 |
| MWBE: | 0% (Waived) | | | | | | | | | | |

Questions?