Airport Optimization Solutions

Operational efficiency and security for a world in perfect motion.

BigBear.ai is a leader in AI-powered operational intelligence solutions and services for national security, defense, travel and trade, and enterprise. We specialize in integration of artificial intelligence and advanced analytics capabilities in clients' highly complex, distributed operating environments.

Our Travel & Trade Consulting Services offer specialized expertise in operational management and security for airports and major travel hubs. Our advanced technologies are integrated to enhance security measures, improve operational efficiency, and support strategic decision-making.

Leveraging existing IT infrastructure, BigBear.ai integrates solutions such as advanced video monitoring and alerting, identity verification, and access control to deliver a unified, seamless passenger journey. By working closely with airports, airlines, TSA, and CBP, we ensure our solutions provide real-time monitoring, automated alerts, and valuable insights, integrating smoothly with your existing systems to maximize security and operational effectiveness.

A higher form of decision intelligence | BigBear.ai

Let's talk about...

↘ **OUR TOOLKIT**

- Biometric identity verification
- Access control
- Discrete event simulation
- Anomaly and threat detection
- IoT devices and sensors

↘ **STRATEGY**

- Capacity and throughput
- Wayfinding through use of screens and signage
- Flow for limited mobility passengers
- Baggage handling and belt flow
- Employee stationing and scheduling
- Checkpoint flow

↘ **IMPLEMENTATION**

- Stakeholder engagement
- Training and change management
- Passenger experience improvements
- KPI tracking

Powerful tech. Empowered teams. Improved travel.

BigBear.ai Airport Consulting combines state-of-the-art technologies and proven operational strategies to enhance airport efficiency, security, and passenger flow. From biometric identity verification and access control, to real-time intelligence and computer vision monitoring, to process modeling, simulation and forecasting, BigBear.ai's impact empowers both employees and travelers for seamless operations.

We help airports reduce delays, improve security, and optimize resource allocation — ensuring smooth operations today, and scalability for the future.

Increase Operational Efficency

Streamline processes and reduce bottlenecks, ensuring that airport operations run smoothly and with minimal delays, leading to improved productivity and cost savings.

Leverage Data in Decision Making

Get more out of your organizational data with comprehensive analytics to inform strategic decisions, enabling real-time adjustments and long-term planning based on accurate, up-to-date information.

Enhance Security Measures

Implement advanced, AI-driven security protocols that provide real-time monitoring, automated alerts, and proactive threat detection, ensuring a safer environment.

Streamline Passenger Flow

Optimize the movement of passengers from check-in to boarding, reducing wait times and enhancing the overall travel experience.

Scale Your Efforts

Deploy flexible and adaptable solutions that grow with your needs, ensuring that your airport operations can easily scale to accommodate increases in passenger volume or changes in regulatory requirements.

Ready to get started? Please contact:

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