

# Securing the traveling public, one bag at a time



Boston Logan International Airport  
Terminal B, United Airlines  
Boston, MA

## Delivering safe and reliable integrated baggage handling systems.

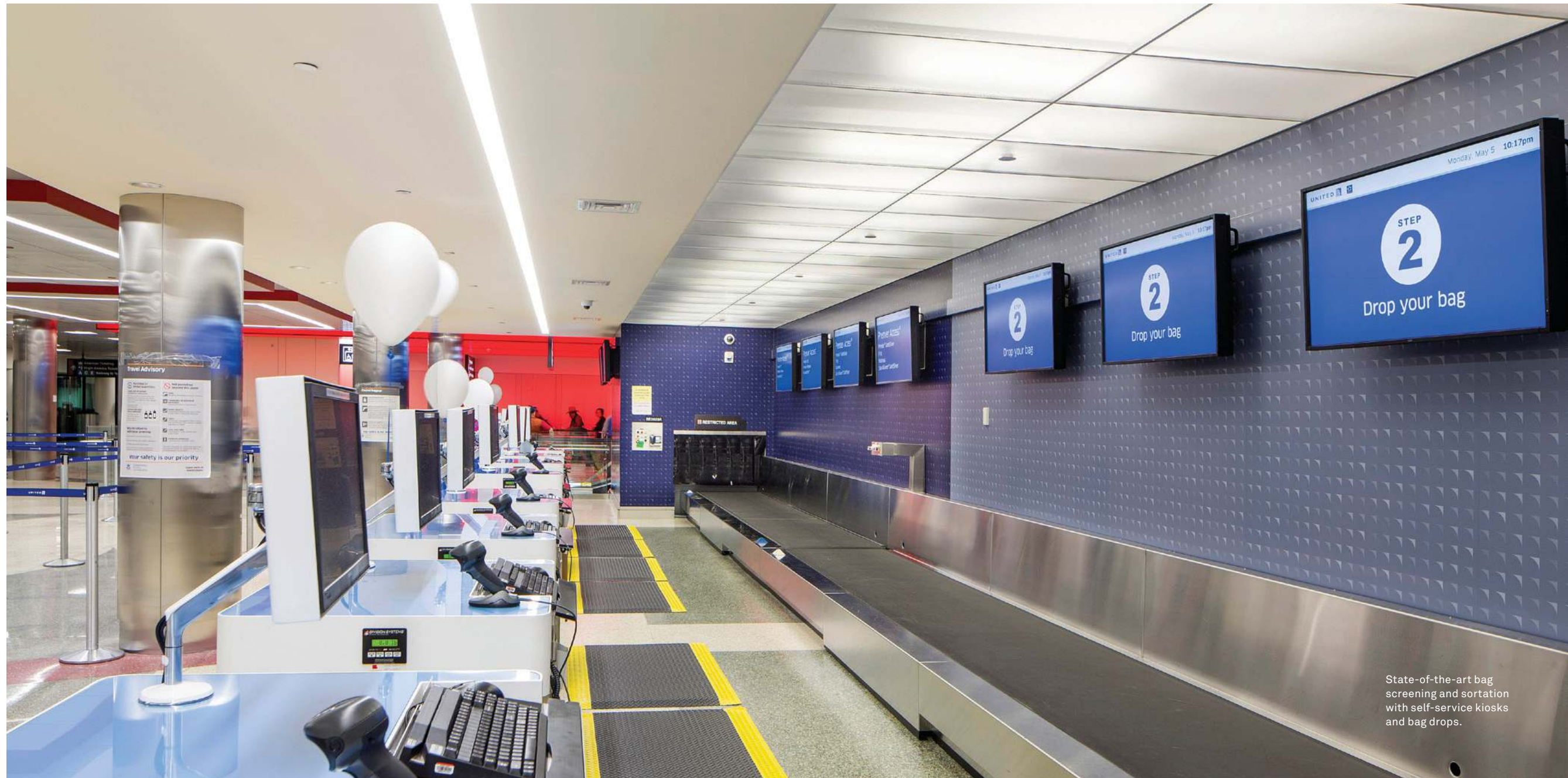
Efficient baggage handling is critical to timely aviation operations. With increasingly complex and costly Baggage Handling Systems (BHS) and Checked Baggage Inspection Systems (CBIS) now in use at most airports, aviation authorities are working to validate systems' integrity and assure operational performance over an airport's life cycle.



**AECOM's team of subject matter experts are adept at working with multiple stakeholders to balance the many competing concerns with efficiency, professionalism and skill.**

Leaders in planning, design and engineering transportation security systems, AECOM professionals include mechanical, electrical, facilities, computer controls and security experts from the aviation, airline and baggage industries. Strategically located across North America, we offer an integrated approach to systems engineering, design, construction and implementation so we can assist you at every project stage, including:

- BHS master plans
- Concept development and planning
- Contract documents development
- Transportation Security Administration (TSA) submittal process
- Tender reviews/recommendations
- Commissioning and testing
- Program and construction management
- System start-up support and evaluation
- Design-build planning
- Energy consumption assessments
- Safety and operational audits



State-of-the-art bag screening and sortation with self-service kiosks and bag drops.



Our professionals have designed, managed and implemented over 200 BHS and CBIS projects at more than 100 airports. We use static modeling and analysis to determine security equipment and system requirements, as well as leading edge technology such as Building Information Modeling (BIM) to reduce field conflicts and construction coordination time. Our capabilities include:

- CBIS planning and design
- On-screen resolution (OSR) network infrastructure design
- Passenger/baggage demand forecasting
- Concept development
- Full Auto CAD 3D design
- BIM
- Facilities design, engineering and hardening
- Peer reviews
- Project/program management
- BHS integration
- Bid evaluation and negotiation
- Construction administration and implementation
- Testing, commissioning and acceptance
- Retro-commissioning
- Functional performance analysis
- Punch listing and acceptance testing
- Workplace ergonomics

AECOM provides the only baggage engineering team that is embedded in a full-service engineering and architecture firm. Since we sit together, and have worked corroboratively for years, we provide an economy of scale in the design effort, ensuring efficiency and a comprehensive understanding of all associated disciplines.



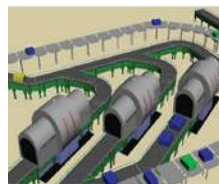
**Ted Stevens Anchorage International Airport (ANC)**  
Checked Baggage Screening and Make-up, Anchorage, AK



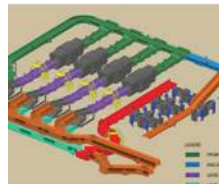
**Calgary International Airport (YYC)**  
International Facilities Project, Calgary, Alberta



**Seattle-Tacoma International Airport (SEA)**  
C1 100% Baggage Screening Program, Seattle, WA



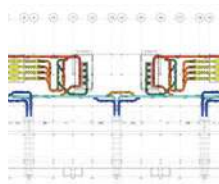
**Norman Y. Mineta San Jose International Airport (SJC)**  
CBIS Design and Simulation Services, San Jose, CA



**San Diego International Airport (SAN)**  
CBIS Design and Implementation, San Diego, CA



**Transportation Security Administration (TSA)**  
Office of Security Technologies Program Management and Engineering Services, Nationwide



**Fort Lauderdale-Hollywood International Airport (FLL)**  
CBIS Planning and Conceptual Design, Terminals 1, 2, 3 and 4, Fort Lauderdale, FL

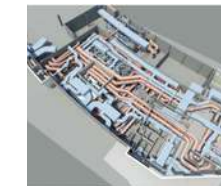
## Delivering baggage handling solutions for clients across North America.



**Boston Logan International Airport (BOS)**  
CBIS Recapitalization/Optimization Project, Boston, MA



**John F. Kennedy International Airport (JFK)**  
Terminal One Checked Baggage Inspection System, Jamaica, NY



**Philadelphia International Airport (PHL)**  
Terminal A-East/Sector 23 CBIS Project, Philadelphia, PA



**Philadelphia International Airport (PHL)**  
Terminal F Baggage Claim Building, Philadelphia, PA



**Baltimore/Washington International Thurgood Marshall Airport (BWI)**  
Terminal A/B Expansion for Southwest Airlines, Baltimore, MD



**Baltimore / Washington International Thurgood Marshall Airport (BWI)**  
Concourses D/E Baggage System and Claims Improvements, Baltimore, MD



**Orlando International Airport (MCO)**  
Airport Security Improvement Program, Orlando, FL



**Orlando International Airport (MCO)**  
Remote Baggage Screening Facility, Orlando, FL



## About AECOM

AECOM is a premier, fully integrated professional and technical services firm positioned to design, build, finance and operate infrastructure assets around the world for public- and private-sector clients. With nearly 100,000 employees — including architects, engineers, designers, planners, scientists and management and construction services professionals — serving clients in over 150 countries around the world, AECOM is ranked as the #1 engineering design firm by revenue in *Engineering News-Record* magazine's annual industry rankings, and has been recognized by Fortune magazine as a World's Most Admired Company. The firm is a leader in all of the key markets that it serves, including transportation, facilities, environmental, energy, oil and gas, water, high-rise buildings and government. AECOM provides a blend of global reach, local knowledge, innovation and technical excellence in delivering customized and creative solutions that meet the needs of clients' projects. A *Fortune 500* firm, AECOM companies, including URS Corporation and Hunt Construction Group, have annual revenue of approximately \$19 billion.

For more information on AECOM's Baggage Handling Systems services, please contact:

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