SOLUTION SHEET

INTEGRATED AIRPORT SECURITY

The nature and type of security threats facing airports worldwide are constantly changing. This challenging environment brings to the forefront the escalating need to protect infrastructure, equipment, and especially the traveling public. Airport security professionals must, however, accomplish this by managing risk and compliance with policy, while being prudent with limited budgets. Airports are an important part of the global supply chain and must develop the business resilience to mitigate and respond to threats as they unfold.

In the United States alone, the U.S. Transportation Security Administration found that security breaches averaged about seven per day since November 2001. These breaches allowed more than 14,000 people to enter limited-access areas through airport doors or passageways, and in some cases enabled them to proceed unauthorized from airport buildings to airplanes.

Closing these gaps without interfering with normal airport operations can be confounding when using conventional security measures. That's why some of the busiest airports in the world, including Chicago O'Hare International Airport, rely on Intergraph®'s proven, integrated solutions. Our next-generation software brings you unprecedented technology to design and implement comprehensive security systems, including sensor and video integration to improve situational awareness and enable quick response to any emergency. Our technology combines security monitoring and tracking, rules-driven procedures, intelligence-based assessment, and automated resource allocation for a comprehensive detect-assess-respond workflow.

Detect

Intergraph's airport security solutions integrate your video surveillance cameras, alarm systems, intrusion detection devices, object tracking systems, closed-circuit television, and other sensor systems, and displays them in an easy-to-understand, common operating picture. The intelligent convergence of this data raises situational awareness from the perimeter to the tarmac, and from the tower to the terminal.

Assess

Once the system detects a possible security breach, you need flexible and responsive analytical tools to sort out normal activities from suspicious ones, and make sense of even the most chaotic situations. For example, your security team needs to quickly discern the accidental input of an incorrect keypad code from an attempted break-in, or a forgotten suitcase from a planted explosive device. Intergraph’s policy engine and rules-based software records and remembers routine activities and eliminates them, so your team can focus its resources on confirmed threats. Our solution acts as a force multiplier, reducing costs and ultimately saving lives.

Respond

Unlike systems from other security vendors, Intergraph’s integrated solutions can automatically create event records and report them directly to our globally deployed computer-aided dispatch software. The software defines the location, event type, and contact information regarding the alarm that occurred. Intergraph implementation services can configure interfaces to your alarms, access control devices, and sensor systems, to achieve real-time situational awareness that speeds emergency response.

Multi-Agency Interoperability

Intergraph’s expert team recognizes that airport security is not limited simply to physical devices and systems placed at the airport, but is part of a regional or homeland security, all-hazards solution. Our team drives and implements standards that enable data-sharing among authorized users. We integrate our solutions, including risk and compliance management, with offerings from various partners, such as the Open Standards Security Alliance.
Open Geospatial Consortium (OGC®), and National Information Exchange Model (NIEM).

**The Power of EdgeFrontier®**
Intergraph’s exclusive EdgeFrontier middleware is the power behind our intelligent convergence capabilities, allowing you to combine disparate data types. This unique middleware performs not only protocol translation, but also handles rules and policy issues for more effective workflows. Used in public safety and security implementations around the globe, EdgeFrontier manages multiple data feeds to transform data into information, and information into knowledge. With EdgeFrontier, you’ll experience significant savings in bandwidth, custom coding, and other resources. In times of limited funds and escalating threats, our solution delivers results while helping you remain within budget.

Intergraph’s Airport Security Solution raises situational awareness from the perimeter to the tarmac, and from the tower to the terminal.

**ABOUT INTERGRAPH**
Intergraph is the leading global provider of engineering and geospatial software that enables customers to visualize complex data. Businesses and governments in more than 60 countries rely on Intergraph’s industry-specific software to organize vast amounts of data to make processes and infrastructure better, safer and smarter. The company’s software and services empower customers to build and operate more efficient plants and ships, create intelligent maps, and protect critical infrastructure and millions of people around the world.

Intergraph operates through two divisions: Process, Power & Marine (PP&M) and Security, Government & Infrastructure (SG&I). Intergraph PP&M provides enterprise engineering software for the design, construction, operation and data management of plants, ships and offshore facilities.

Intergraph SG&I provides geospatially powered solutions, including ERDAS technologies, to the public safety and security, defense and intelligence, government, transportation, photogrammetry, and utilities and communications industries. Intergraph Government Solutions (IGS) is a wholly owned subsidiary of Intergraph Corporation responsible for the SG&I U.S. federal and classified business.

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