Airport Security Solutions
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“Working directly with our airport customers and Gallagher security partners ensures we continue to develop solutions that keep you at the forefront of security technology, providing a safe environment for your staff, visitors, and passengers.”

Sir William Gallagher, CEO, Gallagher Group Limited
Gallagher is a leading global technology supplier of integrated security solutions. Encompassing both hardware and software systems, Gallagher delivers electronic access control, intruder alarms management, and perimeter security, across all major industries. Throughout the world, Gallagher delivers a state-of-the-art product suite to provide security solutions to address the critical issues that airports face today:

- Risk management
- Compliance
- Operational continuity
- Safety management
- Accountability
- Crisis control

Gallagher’s multi-layered solutions deliver proven protection for complex environments that require high-level physical and electronic security. Gallagher products and systems are currently in use in both civil and military airports across the globe.

Airports are high-risk environments with varied potential dangers involving bio-hazards, fire and explosives, and terrorism. From protecting high-risk and high-value assets including aircraft, fuel farms, and refuelling tankers, to ensuring the safe and continuous flow of people and vehicles through airside and landside areas, Gallagher has a range of solutions to suit airport requirements.

Operating a single central security management platform, Command Centre, the Gallagher solution integrates and interfaces with leading third-party systems giving superior functionality within one software application. DVR/CCTV, biometrics, digital intercoms, vehicle and driver identification, carpark management, building automation (temperature control, lighting), Human Resources systems, visitor management, and more, can all be efficiently managed through Command Centre.

Gallagher are leaders in delivering compliance solutions for heavily-regulated industries, and are committed to developing solutions to meet the evolving regulatory needs of airport customers. With a large team dedicated to research, design, and development, Gallagher can provide customised solutions tailored to an individual airport’s requirements.

The Gallagher system is scalable and flexible, allowing airports to add functionality as required in the future. Software maintenance enables you to keep pace with technology developments and increase protection from emerging security threats.
Gallagher Product

A simple to use Central Management Platform

Gallagher’s central management platform, Command Centre, combines physical enforcement with monitoring and reporting to provide airports with a complete security application. With the functionality to integrate and interface with multiple third-party systems, Command Centre provides a single platform to connect and exchange security information gathered across the airport. Leveraging a client-server architecture with a powerful and versatile feature set, Command Centre enables system operators to configure, monitor, and control, the security system with exceptional visibility over site activities and incidents.

Command Centre delivers competency-and-compliance-based access helping airports to effectively drive business policy and execute compliance with regulations. Cardholder information is managed and disseminated by Command Centre across all systems throughout the airport ensuring access rights are updated instantly.

With airports often comprising a collection of buildings that are physically distant, Gallagher’s Multi-Server architecture delivers cross-operational cover by configuring a “hub” site that controls and monitors other sites. The Gallagher system has also been designed to accommodate the demands of multi-tenanted and multi-site scenarios with system division (partitioning) and operator privilege tiers that restrict who can view information and perform functions within the system. High levels of data encryption provide the superior system security required of airports.

Alarm Management

As with all high-security complexes, Airports require prompt and specific notification of alarms being triggered across the site. Gallagher’s fully integrated intruder alarm security solution has the ability to channel all alarms through Command Centre. The Gallagher system not only provides immediate notification of intruders, but can also be integrated with building management systems in order to detect and engage alarms for other incidents including temperature changes.

Intelligent Access Control

The Gallagher Access Control solution goes beyond traditional access control, providing airports with integrated personnel management for employees, contractors, and visitors, across multiple sites and zones. The Gallagher Command Centre platform’s individualised access profiles ensure those entering a site or restricted zone are compliant with policies, licencing, and training. Fatigue management, drug and alcohol testing, visitor management, and induction, are all key features of the access control solution.

Gallagher’s suite of card-reader technology, T-Series Readers, are designed to deliver outstanding performance in high-traffic areas and withstand adverse environmental conditions. The durability and robust design allow for external mounting and ensure an extended life expectancy that consistently delivers a return on investment.
Perimeter Security

The Gallagher Integrated Perimeter Security Solution delivers a range of networked perimeter security technologies including energized and non-energized fencing, and detection solutions. By integrating physically resilient perimeter security with robust authentication access control, the Gallagher system offers a highly-effective, layered, multi-technology airport solution.

The Gallagher Integrated Perimeter Security Solution has the functionality to incorporate Geographic Information System (GIS) and mapping into the user interface and perimeter solution design. Besides physical information, policy-based access can be easily applied to perimeter entry locations and zones providing you with a context-aware perimeter that moves beyond being just a physical barrier. By consolidating system inputs, Gallagher improves the intelligence of security solutions by increasing the information that can be incorporated in controlling facility access.

Gallagher has developed a range of award-winning detection and disturbance technologies that heighten perimeter security. The Z20 Disturbance Sensor provides intelligent detection of the vibration or movement of the fence structure and generates alarms when disturbance meets your predefined criteria. The Z10 Tension Sensor provides real-time tension measurement, delivering the ultimate in taut-wire disturbance detection.

All alarms and events are registered in Gallagher’s Command Centre central management platform enabling immediate response from your airport security team. Gallagher’s F32 Fence Controller identifies the specific perimeter fence zone where an attack occurs. The controller has the capacity to interface to other systems including outdoor lighting - enabling lights to turn on automatically in an area where a security breach is occurring. A DVR interface enables remote viewing and produces a visual record of attempted attacks on the perimeter.

With large restricted areas and valuable assets to protect, Gallagher’s flexible and reliable perimeter solution, equipped with the latest security technology, provides you with airport perimeter protection you can rely on.
Christchurch International Airport, NZ

The flexibility to move seamlessly between domestic and international operations is key for this busy New Zealand airport. Christchurch International Airport Limited (CIAL) is situated on the east coast of New Zealand’s South Island and receives around six million passengers a year. In a legislation driven airport environment, CIAL is mandated by a number of Civil Aviation rules and regulations to provide control and monitoring of all access to restricted security areas. Gallagher protects all primary areas of aviation activity within the airport, including the terminal, airfield, support buildings, and infrastructure.

In addition to employing the Gallagher access control system to secure more than 400 doors, gates, and fences, for over 6000 cardholders, Gallagher’s access control system is also utilised at Christchurch International Airport to deliver a multi-airbridge domestic/international, departures and arrivals terminal. Using fourteen fully-automated, motorised, airbridges and access controlled doors, airport staff use workstations to configure the system and easily transition the airport from domestic to international operations - ensuring passengers are directed to secure zones including customs and immigration when appropriate.

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Guangzhou Baiyun International Airport, China

Scalability for vast expansion is a crucial pre-requisite for one of China’s largest airports.

Guangzhou Baiyun International Airport is one of the major gateways to China. It is the largest airport in the southern part of the country, and serves as the operational base for China Southern Airlines. The airport is currently one of the busiest in China based on passenger flow, and cargo movement.

The airport’s security requirements include access control and alarm functionality, with a record of events and movements for complete traceability. Gallagher’s Command Centre security integration platform provides the central management system for access control and intruder alarms, and is extended with integration involving CCTV, alarms, fire, and elevator control. For energy efficiency, the Gallagher system interfaces with Building Management Systems to control lighting and air-conditioning.

Guangzhou Baiyun International Airport is a large site and the system needed the scalability to grow from 20,000 cardholders to a potential 200,000. The Gallagher system has been designed with exactly this growth in mind.

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