

# Gallagher Critical Infrastructure Solutions

FROM THE PERIMETER INCLUDING GATES, THROUGH TO THE FACILITY ACCESS POINTS AND TO SECURE INTERIOR AREAS



[www.gallagher.co](http://www.gallagher.co)





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# Introducing Gallagher

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Gallagher integrates the unique advantages of its advanced perimeter security with the sophisticated integration platform provided by Gallagher Command Centre Software. The integrated solution enables sites to manage system-wide security through one management platform, through a single user interface.

## SYSTEM FEATURES

### Gallagher Perimeter Security System

- > **Active Deterrent** - Incorporating purpose designed electric fences, Gallagher perimeter systems actively deter attempts to breach the perimeter by delivering a safe, non-lethal shock to the would-be intruder
- > **Passive Deterrent** - Incorporating our Fence Integrity Monitor- the FIM can actively receive alarms 24/7 even when the high voltage is not turned on during business hours
- > **Detection** - Attempts to breach the fence are detected and generate alarms providing information for an appropriate response
- > **Alert** - Intruder Alarms are generated, showing the Zone under attack with full Video available

### Access Control, Building Security, and Facilities Management System

Gallagher allows integration of any combination of the following:

- > Perimeter security
- > Electronic Access Control with PhotoID
- > Intruder Security Alarms, with full Monitoring functionality
- > Interfaces to Biometric systems
- > Interfaces to CCTV and IP Based Video imaging systems
- > Interfaces for elevator and building management systems such as air-conditioning and lighting
- > Interfaces for sharing cardholder data with HR and other systems



### COMBINED BENEFITS OF THE SYSTEM

#### The Integrated Solution Provides Comprehensive Site Security

Total Security of the Perimeter, Gates, Facilities, Buildings, Equipment, and High Risk Areas:

- > Gallagher perimeter security systems can be installed around vehicle/ equipment yards, power generator buildings, water/ utility buildings, to both deter people from trying to break in, and provide immediate alarms and video of intrusion attempts.
- > Through high level integration with Gallagher Command Centre, multiple sites can be managed and monitored through a single user interface.

#### DVR / CCTV Integration

- > Gallagher Trophy FT can be interfaced with a range of DVR and IP Video systems.
- > Video of events can be viewed live, or recorded, or both.
- > Video linked to access events can be used to provide evidence and visual verification.

#### 24/7 Management of Integrated Access Control and Security Alarms

- > Control who can access specific areas at specific times of day and night:
  - Who - Management, HR, IT staff, Consultants, Contractors, Visitors.
  - Where - Protect the perimeter (single or multi-site) through to core equipment, facilities and buildings.
  - When - 24 /7.
- > Automatically assign access privileges at time of employment based on department and role of staff. This can be achieved via software linking to the HR system, e.g. SAP.
- > Integrated intruder detection and alarms management ensures an appropriate and timely response to events.

#### Reduce Risk of Theft and Contamination

- > Immediately know who entered or left a specific area, with video verification.
- > User definable reports concerning all access events.
- > Protect critical infrastructure such as power rooms, water supplies, IT Infrastructure, etc. User can specify if two or more cards must be read to grant access to these critical areas, ensuring no one can enter alone.

#### Staff Emergency Alerts

- > In the event of an emergency, staff members can alert security personnel by immediately sending out notification.

#### Emergency Management and Site Lockdown

- > In the event of an emergency or an event requiring immediate restriction of site access, a lockdown can be performed. Lockdown may be deployed in the event of a security risk.
- > Configure the system to allow lockdown of any portion of a site, or entire sites. During a lockdown only specific authorised individuals can access the lockdown zone e.g. emergency staff; this is configurable.
- > The Emergency Evacuation module allows staff/contractors with ID cards to check in at specific "muster points" outside the utility site, in the event of major emergencies.

#### Allow Staff to Move between Multiple Facilities, Departments, or Floors with One Access Card

- > Systems can be "linked" to control the movement of staff between multiple sites, to cover different shifts.



#### Reduced Risk of Litigation and Compliance with Legislation

- > Manage and track entry/exit at all monitored gates and doors.
- > Identify individuals via card ID, PIN, biometrics, picture, video.
- > Control access into and out of security sensitive areas.
- > Protect access to sensitive records.
- > The Trophy FT system is safe. Following the International Electrical Code of Practice, Gallagher exceeds the installation codes of practice which currently exist around the world.

#### Full Visibility & Audit Trail of Site Access for Improved Risk and Efficiency Management

- > Report on and audit the movements of all staff, visitors and contractors through all doors protected by Electronic Access Control. Useful for tracking movement of people onsite.

#### Interface with HR Systems

- > Time & Attendance records.
- > Automatically remove ex-employees to prevent them from accessing your facilities.

#### Reduce Risk and Cost of Lost Keys

- > When a key is lost, there is immediate security risk and cost to change out locks. When a card is lost, it can immediately be disabled and replaced, eliminating both risk and cost.

#### Visitor Management

- > Issue temporary passes to visitors with restricted access to location of visit, and for a restricted timeframe. The locations and timeframes are fully configurable.
- > Visitor time on site and their movements on site can be fully tracked and reported when using Electronic Access Control.
- > Visitors can return to site and be issued with a separate temporary pass with their credentials retained in the system allowing for quick re-access to site.

"The fence system is safe. Gallagher Security's Code of Practice exceeds installation codes of practice which currently exist around the world"

# Gallagher Perimeter Applications

## OIL & GAS UTILITIES



## POWER GENERATION & SUPPLY



## WATER UTILITIES





### CONTRACTOR MANAGEMENT

- > Contractors' access is granted and controlled to the time/date they are supposed to be onsite.
- > Automatic revocation of cards prevents unauthorised access after their contract expires.
- > Time on site can be tracked for billing purposes.
- > Can be used to audit if contractors are onsite for maintenance or repairs as scheduled.

### PARKING MANAGEMENT AND VEHICLE / DRIVER IDENTIFICATION

- > When interfaced with long range readers, both vehicles and individuals can be identified when they enter the utility site.
- > Detect/identify multiple individuals within a vehicle (car poolers, utility transit vehicles, etc) on presentation of personal access tokens.
- > Count and limit the number of vehicles allowed into a specific parking area.
- > Can be interfaced to 'Pay to Park' systems.

### ENERGY MANAGEMENT

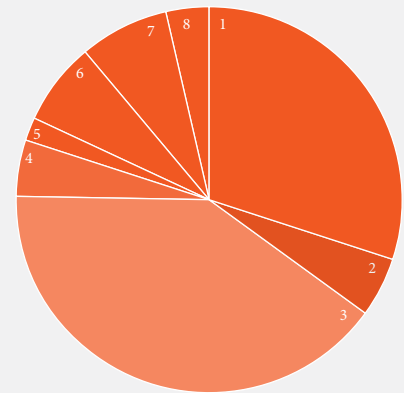
- > Energy savings can be achieved by ensuring that air conditioning and lighting operate only when required.

### RESOURCE SCHEDULING

- > Through integration with resource scheduling systems, access to any area/equipment can be booked in advance with access assigned to specific individuals.
- > Allows restriction to areas where high value equipment is stored or used.

Gallagher's security integration platform is totally scalable, allowing users to receive core system benefits immediately and then expand their system in size and functionality as their needs change in the future.

### CRITICAL INFRASTRUCTURE INSTALLATIONS



1. Government	539
2. Corrections	89
3. Electricity	718
4. Defence	84
5. Police	37
6. Water	125
7. Oil and Gas	131
8. Telecommunications	64

# Case Study:

## National Grid Transco Watercare Services

### THE CHALLENGE

Gallagher technology has successfully secured hundreds of utilities sites across Europe, USA, Africa, Australia, New Zealand and Asia.

Utilities are critical infrastructures that affect us all. Key challenges facing the utilities sector stem from multiple sources including deregulation, increasing demand and significantly, terrorism, vandalism, theft and even the weather. A successful attempt to disrupt electricity, gas and water supplies could have devastating effects on national security, the economy and every citizen's life. The responsibilities of utility companies towards staff, the public and the environment are also of primary concern and provide a constant challenge.

### THE SOLUTION

Since the early 1980s, a variety of utility companies have relied upon perimeter security systems from Gallagher to safeguard their sites and their ability to provide uninterrupted service to customers.

Perimeter security systems from Gallagher provide perimeter fencing solutions for utilities which: deter attack through sending a regulated, non-lethal, electric pulse around the perimeter security system meet stringent safety criteria, providing a humane solution are easy to maintain. Gallagher can provide maintenance agreements.

### NATIONAL GRID

National Grid, is a prime example of how the Gallagher system provides optimum perimeter security in the electricity industry. National Grid is the owner and operator of the high-voltage electricity transmission network in England and Wales, carrying power from the generators to the regional network operators. This network consists of over 300 substations, 7,000 km of overhead line and 650km of underground cable, providing a secure and reliable electricity transmission system.

Safety, security and a continued regard for the environment remain over-arching priorities in the planning and operation of the network.

In May 1993, following a number of forced, unlawful entries into National Grid's High Voltage Electricity Substations, a decision was taken to improve perimeter security. National Grid followed recommendations from Government Security Advisers (GSA) to install a perimeter security system from Gallagher. The system was installed in various sites including High Voltage Substations considered to be high security.

The system's reputation for a low rate of false alarms and robustness was particularly important to National Grid. Since its installation the Gallagher system continues to meet National Grid's security needs in over 150 sites:

- › It has predominantly solved their problems of theft and vandalism saving thousands of pounds per attempt
- › Gallagher systems provide a complete deter and detect solution 24 hours a day, 7 days a week enabling National Grid to effectively fulfil its 'duty of care'
- › It has met stringent legal and health and safety criteria
- › It has reduced the need for and cost associated with guards.



Based on positive reports from other Gallagher users and importantly, legal and Health and Safety clearances, Transco installed Gallagher systems in 14 of its sites.

In meeting these criteria, the Gallagher perimeter security system enhances National Grid's ability to meet its commitments.

**TRANSCO**

Like National Grid, Transco places a high priority on executing its 'duty of care' towards staff and the public while maintaining high security around its various sites. Transco is the national gas transportation company, responsible for ensuring that gas is delivered to over 20 million consumers around the UK safely and efficiently.

Based on positive reports from other Gallagher users and importantly, legal and Health and Safety clearances, Transco installed Gallagher systems in 14 of its sites. The installation proved to be most successful as an effective and reliable

security system. The subsequent confidence generated amongst all site users is such that Transco is committed to the perimeter security system for the foreseeable future.

**WATERCARE SERVICES**

Another utility that has entrusted the protection of its sites to Gallagher is Watercare Services. Watercare Services provides high quality water treatment and supply, wastewater removal and treatment, and associated services to more than one million people in Auckland, New Zealand.

The organisation undertakes its operations in a manner that safeguards public health and takes into account the preservation of the natural environment and the sustainable management of resources.

To optimise its ability to protect and secure the safety and purity of the water supply and the other services it provides, Watercare Services installed several kilometres of Gallagher perimeter security at its sites in the greater Auckland area.

Like other utilities, Watercare Services' security requirements are highly specialised and complex. A perimeter security system that detects unauthorised entry or exit into a defined area, and deters intruders, is required to secure their sites. The system has to be highly reliable and not generate false alarms, differentiating between serious breaches of the fence and disturbances caused by wildlife, birds or weather conditions.

As these three organisations can attest, perimeter security systems from Gallagher are an essential perimeter security solution for any utility company.



## About Gallagher

Established in 1938, Gallagher Group Ltd is the operating company for an international organisation which encompasses research and development, manufacturing and marketing of its security, fuel pump and animal management systems.

### ABOUT GALLAGHER

Worldwide, Gallagher has a reputation for supplying state-of-the-art, reliable solutions to address the most significant issues facing organisations large and small:

- > Security and risk management
- > Personnel workflow
- > Business continuity.

Drawing on our competencies of security knowledge and expertise, secure data management and systems integration, our offering is expanding. We are moving towards a suite of systems that can be fully integrated and securely managed through allocated privileges to authorised users.

We pride ourselves in our agility and

dedication to delivering innovative and imaginative security solutions. Our goal is to redefine what's possible for our customers.

### PROFESSIONAL SERVICES

Gallagher provides a range of Professional Services and welcomes the opportunity to work with customers and Certified Channel Partners to add value to the implementation of its systems on customer sites. Examples of services Gallagher can provide include:

- > Project management - typically for large, global customers
- > Strategic planning and migration paths - planning for future requirements
- > Requirements analysis and customizations - changes required to

Gallagher developed software to meet the customer's requirements

- > Integration - development of middleware to provide an integration between two or more systems
- > Database conversion and preparation
- > Configuration and advanced system programming
- > System audit
- > Preparation and implementation of software upgrades



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**GALLAGHER SECURITY WORLD  
HEADQUARTERS**

Kahikatea Drive, Hamilton 3206  
Private Bag 3026, Hamilton 3240  
New Zealand

TEL: +64 7 838 9800  
EMAIL: sales@security.gallagher.co

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**REGIONAL OFFICES**

New Zealand ..... +64 7 838 9800  
Americas ..... +1 888 430 0770  
Asia ..... +852 2910 7912  
Australia ..... +61 2 9412 4477  
India ..... +91 80 2661 1590  
Middle East ..... +9615 808728  
South Africa ..... +27 11 974 4740  
United Kingdom / Europe ..... +44 2476 64 1234

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