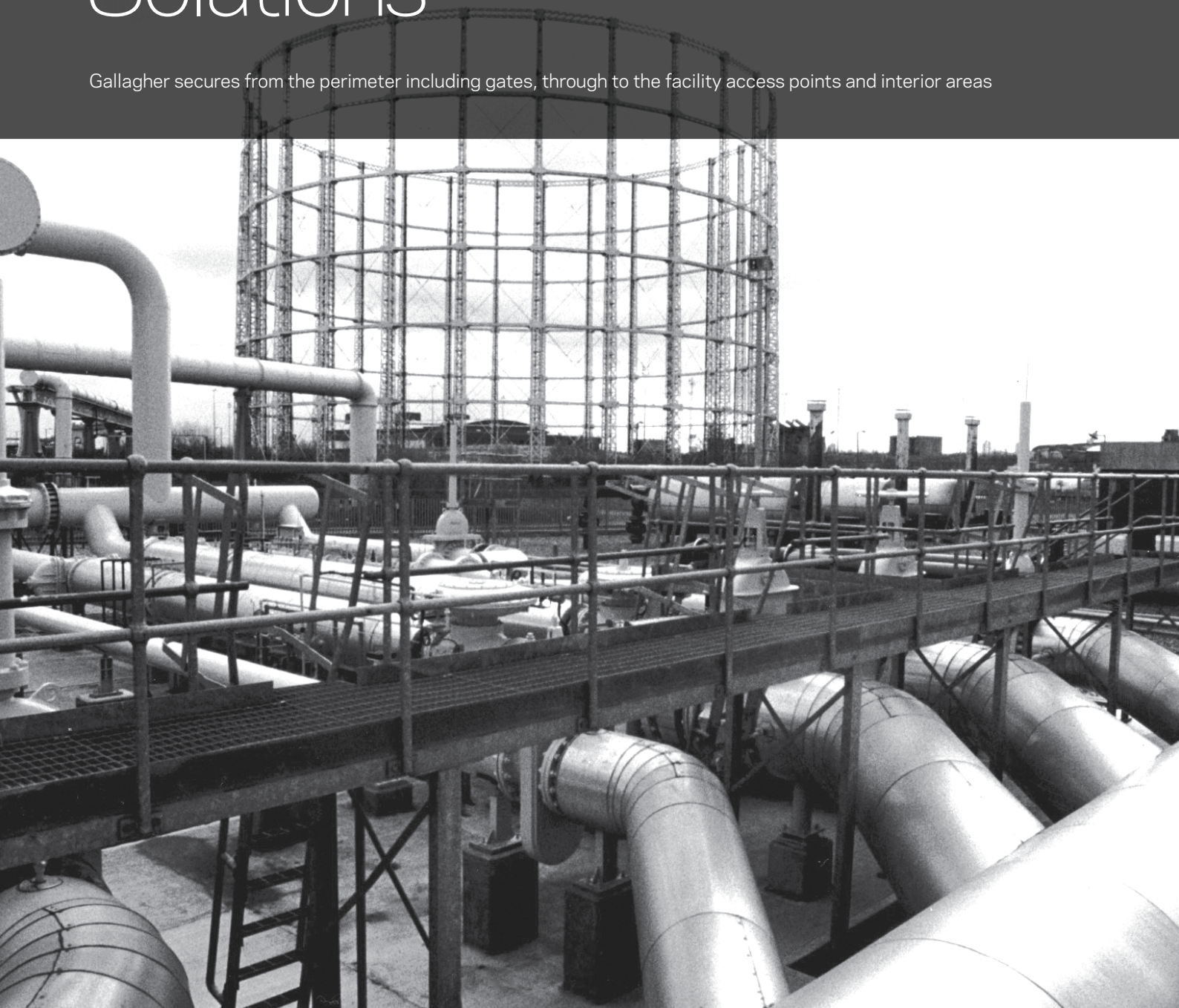# Gallagher
Critical Infrastructure Solutions

Gallagher secures from the perimeter including gates, through to the facility access points and interior areas

GALLAGHER

Introducing Gallagher

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 Gallagher's 3 Zone Fence Integrity Monitor enables active receipt of 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 photo ID

> Intruder security alarms, with full monitoring functionality

> Interfaces to biometric systems

> Interfaces to CCTV and IP based ideo 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 and equipment yards, power generator buildings, water and utility buildings, to both deter people from trying to breach the perimeter, and provide immediate alarms and video of intrusion attempts

> Through seamless integration with Gallagher Command Centre, multiple sites can be managed and monitored through a single user interface

DVR / CCTV integration

> Gallagher Networked Perimeter Security System 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

Round-the-clock 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, and IT infrastructure. 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 authorized individuals can access the lockdown zone (e.g. emergency staff), according to customized access privileges

> The emergency evacuation module allows staff and 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

Reduce risk of litigation and ensure 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 Gallagher Networked Perimeter Security 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 personnel when employment is terminated 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 restrictions to accessable location for a specified timeframe. 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 reissuing of access to site

"The fence system is safe. Gallagher'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

> Contractor access is granted and controlled to the time/date they are supposed to be onsite

> Automatic revocation of cards prevents unauthorized 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 (e.g. car poolers, utility transit vehicles) on presentation of personal access tokens

> Count and limit the number of vehicles allowed into a specific parking area

> Can be interfaced to toll parking 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
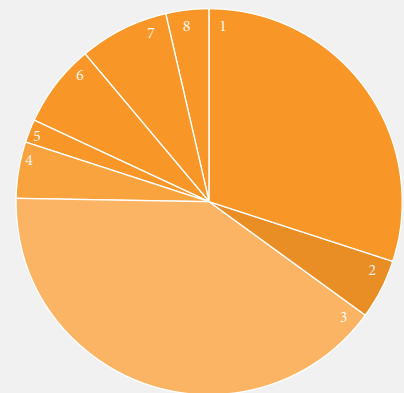
1. Government		539
2. Corrections		89
3. Electricity		718
4. Defence		84
5. Police		37
6. Water		125
7. Oil and Gas		131
8. Telecommunications		64

Case Study:
National Grid
Transco
Watercare Services

THE CHALLENGE

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 Gallagher's perimeter security systems 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, 7,000km 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 overarching 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, which were 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 24/7, 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 associated expected with guards.

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

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

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 safe and efficient gas delivery to over 20 million consumers around the UK.

Based on positive reports from other Gallagher users and on 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

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 organization 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 specialized and complex. A perimeter security system that detects unauthorized entry or exit into a defined area and deters breaches is required to secure their sites. The system has to be highly reliable without generating false alarms, differentiating between serious breaches of the fence and disturbances caused by wildlife, birds or weather conditions.

As these three organisations can attest, Gallagher's perimeter security systems 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 its competencies of security knowledge and expertise, secure data management and systems integration, Gallagher's offering is expanding. Gallagher is moving towards a suite of systems that can be fully integrated and securely managed through allocated privileges to authorised users.

Gallagher prides itself in its agility and dedication to delivering innovative and imaginative security solutions. Gallagher's goal is to redefine what's possible for its 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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