

GLOBAL

1 2010

For security professionals by security professionals

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GUNNEBO | Facts

The Gunnebo Security Group is strongly committed to creating business sustainability at every stage of what we do – from product development to after-sales service. Our overall environmental objectives are to establish resource-efficient production processes and to develop products with low environmental impact during their entire life cycle. For more information, go to www.gunnebo.com/environment.

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Installing bullet-resistant glass at the World Cup arena in Cape Town



The City of Cape Town is building a world-class, FIFA-compliant 68 000-seat stadium in Green Point for the 2010 FIFA World Cup™. This will serve as a semi-final venue in 2010 and a suitable multi-purpose venue thereafter for ball sports, major events and concerts.

Gunnebo South Africa has manufactured, supplied and installed counter screens with bullet-resistant glass complete with pay troughs and speech transfer modules for each of the three ticket offices.

Each ticket office is secured by staff security doors for personnel protection. Each ticket office is also equipped with a Chubb safes 140 litre, Grade III drop safe for cash holding.



“Working alongside a professional team in design, manufacture and completion of our products, we are very pleased with the end result and to be a part of such a momentous occasion. Knowing the importance of security for this project, we provided our best possible solution with the highest quality and workmanship of our product installed,” says François van Niekerk, Western Cape Sales Manager and Cape Town Stadium Project Manager for Gunnebo South Africa. ■



Cape Town Stadium in Green Point will serve as a semi-final venue for the 2010 FIFA World Cup™.



The FIFA World Cup™ is the biggest sporting event in the world. It is a unique window of opportunity for Africa, South Africa and Cape Town. Gunnebo is proud to be associated with this project.

BMW signs exclusive contract with Gunnebo Troax

In 2009 Gunnebo Troax in Germany took another important step into the car industry: the German car manufacturer BMW signed an exclusive frame contract for machine safety.

Both the new BMW plants and the re-designed plants will be fitted with Gunnebo Troax machine safety from now on.

As BMW is a very demanding customer there were long, tough negotiations before the contract could be signed. By the end, BMW was impressed by the strengths and advantages of Gunnebo Troax.

As an international company Gunnebo Troax can serve customers via an international service network including warehouses and assembly plants close to customer sites.

Gunnebo Troax has proven its expertise following many projects within the automotive industry. It offers a high-quality, modular product range at a competitive price.

Today, almost all major suppliers to the automotive industry in Germany, as well as the important integrators of the car industry, are regular customers of Gunnebo Troax Germany.

Besides the daily business, big projects are being handled with customers such as Volkswagen Group, Mercedes and MAN. ■

! More info at www.troax.com



Gunnebo Troax Germany had to prove its automotive experience before winning the BMW contract.

FACTS

- Gunnebo Troax is a leading supplier and producer of industrial panel and partition systems.
- Gunnebo Troax focuses on three market segments: Property Protection, Material Handling & Logistics and Automation & Robotics.
- The automotive industry, consisting of car manufacturers and a huge number of their suppliers, is a very important part of the Gunnebo Troax market sector, Automation and Robotics.
- Germany, where most of the European car manufacturers are based, is one of the key countries for Gunnebo Troax Automation & Robotics.
- Over the last decade the Troax subsidiary in Germany has become the market leader within this segment despite strong local competition.

Closed cash handling enters a new generation

Gunnebo makes retail cash handling safer and more efficient with the introduction of the second generation of SafePay™.

“When Gunnebo first released SafePay, true closed cash handling began to become a reality for retailers,” says Tobias Gunnesson, Product Line Manager Marketing for SafePay. “Now, 5 years and 3 200 installations later, we are taking yet another step forward.”

The second generation of note and coin recyclers – used for closed cash handling at traditional and self-service checkouts – has been made easy to use, with a clearer display, larger coin bowl and much simpler note payment. The system is also faster and easier to service and maintain. Furthermore, security has been improved as cash is now moved to the back office and between checkouts in ink-protected transport cassettes.

“Gunnebo is a pioneer in the field of closed cash handling and through SafePay



Feedback from retailers, cashiers, shoppers and CIT contributed to the new SafePay design.

has continually driven innovation in this area. This is a position strengthened by the launch of the new generation of SafePay products,” adds Tobias Gunnesson. ■

Endless applications for modular security enclosure

A new range of lightweight security enclosures with certified burglary protection has been launched. It can be custom-built into the existing structure of any building.

“There is clearly a need for reinforced, secure rooms not only in banks, but also at sites where high-risk items are being stored,” explains Myriam Bevillon, Product Line Manager for high-security safes and vaults at Gunnebo. “We offer Grade II, III or IV certified protection for everything from pharmaceuticals and firearms to cash and archives.”

The enclosure is constructed using modular panels – walls, ceiling, floor and door – which can be quickly assembled



to protect the contents of an existing room or warehouse.

“The flexibility of the construction means customers will get a solution which meets their specific requirements,” adds Bevillon, “And the applications are extensive.”

The range is marketed under the Rosengrens, Fichet-Bauche and Chubb safes brands. ■



New Trident and Cassio – protection against burglary, fire and explosives.

Unique triple protection safe

Gunnebo’s new range of safes is the first ever to offer certified protection against burglary, fire and explosives.

With certification in Grades III – VI, the safes provide top-of-the-range burglary protection for banks, retailers, jewellers, pawn shops and other customers with high-risk valuables.

As well as this high-grade burglary protection, the range is also certified for resistance against explosives and to protect documents from fire for up to one hour.

“This is truly a first,” comments Myriam Bevillon, Product Line Manager for high-security safes and vaults. “No other safe on the market can provide the level of protection we are offering here.”

The safes are available under the Rosengrens and Chubb safes brands as Cassio and Trident, with a Fichet-Bauche range to come during 2010. ■

New tripod turnstile design

Gunnebo has recently re-designed its Tripod Turnstile range to give it a fresh, new image.

As part of the re-design, all the product groups within the range, including the Alarmed Tripod Turnstiles (ATT) and Improper Transit Control (ITC) series, will also share a common mechanical and electronics platform.

“By updating the range and bringing all models under one umbrella,” states Sergio Zanghellini, Product Line Manager for Turnstiles, “Customers will not

only benefit from technical improvements but also easier systems management.”

In addition, the entire range will now be available with a drop arm option to facilitate evacuation in case of an emergency.

The Tripod Turnstile is a popular compact entrance control solution which allows authorised individuals to pass quickly, making it suitable for areas where there is a large and constant flow of people, such as offices or public buildings. ■





! Read more
www.gunnebo.com/entrancecontrol

Entrance control is smarter than ever at preventing unauthorised access

Access and entrance control is needed for most premises where people come and go. Regardless of security level. Gunnebo has reliable solutions for all kinds of buildings. A system for controlling access into and out of a building has to work come rain or shine.

TEXT | Mats Ekendahl

“When it comes to security, functionality is everything. The products have to be robust and reliable,” says Rob Wheeler, General Manager Entrance Control at Gunnebo.

However, customisation is also important to ensure that access and entrance control systems can blend into specific environments. Since Gunnebo has a broad range of products, it is highly likely that a suitable off-the-shelf solution already exists.

“Otherwise we can customise our products to achieve the right design and elegant finish for the user environment,” says Wheeler.

To get the most from an access control system, the solution has to offer the right level of security. Customers often have a clear idea themselves of whether they need low or high security. Otherwise Gunnebo can help define this, ideally by being involved early on in the project. Factors influencing this kind of work include the volume of people entering and exiting, and whether the system needs to deal with people who are not employees. “A company with a lot of visitors cannot

greet them with fencing and an entry-phone. You have to have a certain degree of openness,” Wheeler explains.

Tailgating and piggybacking

Low-security products include turnstiles, entrance gates and point-of-sale gates without any added extras. Security can be raised by adding electronic ID cards, for instance, but unwelcome guests can still pass through without too much trouble.

A more secure system would be locked doors with card readers, as they physically stop anyone without a valid passcard. But once someone with a valid card opens the door, one or more unauthorised people can follow them in – a practice known as “tailgating”. And with a control system for individual access, intruders may still be able to “piggyback”, in other words push their way through by following closely behind someone with access.

High-security solutions needed

To truly prevent all unauthorised access, an advanced system with very high security is required. One such example

is gates that guarantee the admission of one person at a time, while also withstanding shock waves from explosions and firearms.

“When used in conjunction with electronic ID control, such as card readers, code devices or biometrics, our physical hardware can solve virtually any access control need, whatever the security level,” says Wheeler.

Security that never sleeps

Security is usually the most important consideration when buying products for access and entrance control.

“Cutting costs, however, is another. A well thought-out system can reduce the number of guards and receptionists,” Rob Wheeler concludes.

And of course machines never let their concentration slip, go on holiday or take sick days! ■



Entrance gates using electronic ID, such as card readers or biometrics, meet virtually any access control need.

Security and speed clinched the deal

For just over five years now, Gunnebo has had a general agreement with LFV, Sweden’s civil aviation administration. One recent installation related to one of Gunnebo’s relatively new site protection products, the Quick Folding Gate. Thanks to its unique construction, the gate opens and closes in just a few seconds.

LFV originally ordered a standard gate for the exit from Checkpoint Cargo Center, but settled on the Quick Folding Gate instead when it was presented as an option for its speed and security. Installation was carried out in October 2009.

The gate is galvanised and measures four metres wide and 2.4 metres high. “There’s a considerable difference in



The Quick Folding Gate’s opening widths are between 3.5 to six metres and opening/closing takes four to six seconds. The standard heights are two or 2.5 metres. It has been designed with rationality in mind and offers an alternative to the combination of a sliding gate together with a boom barrier.

opening and closing times, and that’s important for a security checkpoint as it has a positive impact both on flow-through and security,” says Roger Gustafsson, Project Manager at LFV.

Alongside the installation, Gunnebo also delivered security fencing for the area as part of the general agreement. ■



At Sweden’s civil aviation administration (LFV), the installed gate is 4 metres wide and 2.4 metres high. The gate has had a very positive impact both on flow-through and security.



First Wedge Barrier installed in Syria and hopefully more to follow

The Gunnebo group has installed its first Wedge Barrier with safety skirt in Syria for the United Nations Disengagement Observer Force (UNDOF) and discussions have already started between Gunnebo and various security authorities for further installations in sensitive locations in the country.

In 1973, war erupted in the Middle East between Egyptian and Israeli forces in the Suez Canal area and the Sinai, and between Israeli and Syrian forces on the Golan Heights. In the Israeli-Syrian sector tensions remained high, and the situation became increasingly unstable.

UNDOF was established in 1974, following the agreed disengagement of the Israeli and Syrian forces on the Golan. UNDOF continues to this day to supervise the implementation of the agreement and maintain ceasefire.

UNDOF maintains a buffer zone, which is some 80 kilometres long and varies in width between approximately ten kilometres in the centre to less than one km in the extreme south. The terrain is hilly and is dominated in the north by Mount Hermon.

“With this first Wedge Barrier installation in Syria, which created a very important reference to us, we strongly believe that the door will open for further installations in this country,” says Fadi Yakoub, Product Manager Site Protection Gunnebo Middle East. “Our partner in Syria, HAS Group, is already setting up appointments with different security authorities to discuss the possibilities of using our Wedge Barriers in other sensitive locations.” ■

Liège-Guillemins – modern security for a modern station

In 2008, Gunnebo Belgium was awarded the contract to protect Liège-Guillemins, the new high-speed, state-of-the-art railway station owned by NMBS, the Belgian national railway company.

TEXT | Bernard Decraene

Liège-Guillemins required the latest technology which is why Gunnebo's new SecurWave/SecurManager platform was chosen. Once the proposal was accepted by all parties, the plans were adapted to include the latest upgrades.

The station, which was inaugurated on September 18, 2009 and is designed for the famous TGV high-speed train, now boasts the largest ever SecurWave installation Gunnebo Belgium has carried out.

Total regeneration

The history of this brand new railway station is linked to the development of the high-speed train network in Belgium. High-speed trains gave the Belgian Railways a new pulse.

Work began over ten years ago and not only included the building of a new railway station but also the regeneration of an old area of the town of Liège in eastern Belgium.

The site was entirely rebuilt and upgraded to make Liège-Guillemins one of

the greatest railway stations of its kind. The architecture is monumental, expressive, transparent and "light as air", a symbol of the inter-European space with central connections to Paris, London, Frankfurt, Cologne and Amsterdam.

Early involvement

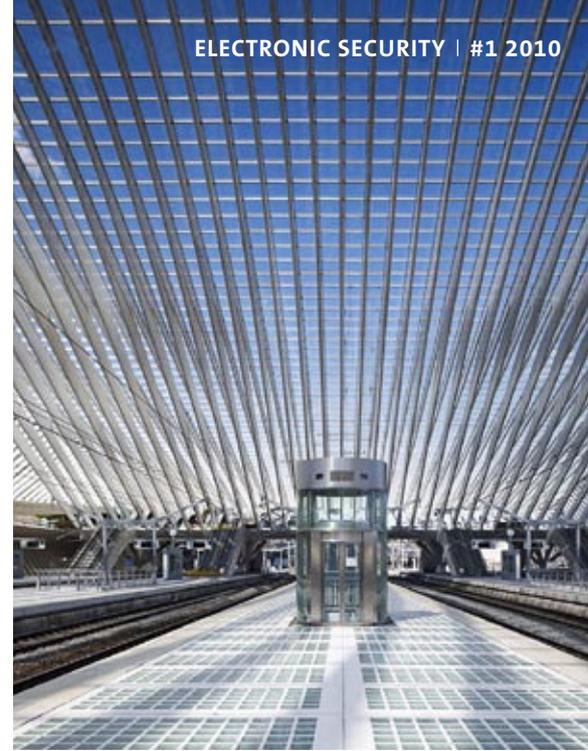
For Gunnebo Belgium the security project started back in 2004 with proposals for the design of the solution and the first drawings of the special technologies that could be used.

The basic concept for the station's security set-up started with involvement from all parties and covered a range of different areas including the travel centre, businesses within the station, the technical rooms and the central safe room. Gunnebo Electronic Security was also involved in validating the design of the solution.

Little by little the project advanced with customer workshop discussions. These were necessary to accommodate the demanding architectural requirements in an effort to remain true to the building's aesthetics.

Long partnership

Gunnebo Belgium had already worked with NMBS ten years previously, as a partner providing security solutions for the different technology areas within the



Liège-Guillemins, Belgium's high-speed train hub, has been equipped with Gunnebo's SecurWave security platform.

Belgian railway. During this period multiple systems have been installed and are still maintained by Gunnebo service engineers with service contracts covering 24/7 availability.

The new project is a continuation of this successful partnership between Gunnebo Belgium and NMBS, and marks a breakthrough for the SecurWave platform. ■

! Read more
www.gunnebo.com/electronicsecurity



FACTS ABOUT THE LIÈGE-GUILLEMINS INSTALLATION

- 8 SecurWave units interconnected (online on IP).
- 2 SecurManager/SMI Server.
- 48 WavePads.
- 40 doors equipped.
- More than 350 detection points of all types.
- Connection to central Network Operating Center via HORUS dispatching.

Gunnebo France powers remote security monitoring for Arkéa banks

Arkéa Group, based in Brittany, is one of France's leading banking groups. In 2008, Arkéa had 2.9 million customers, 7 328 employees and 569 service points.

TEXT | Jocelyne Benisri

"Since the 1980s, we have managed all the security for the Arkéa network of bank branches from our own remote monitoring control centre in Brest, a town in the western part of France, which is operated by subcontractors working on our premises.

"For some time, we were facing the problem of replacing our systems software. We needed to develop it to achieve greater transparency and user-friendliness, and to ensure that the service we provide is long-lasting," says Mr. Pennec, Security Manager Arkéa Group.

Greater flexibility

Arkéa have managed to change the systems tool without tampering with the organisation.

"We have therefore retained our branch equipment, which we will develop as new investments are made, and we have opted for systems management, which entails utilising the equipment, software and services provided by Gunnebo France.

"Calculations show that this solution costs us less than total outsourcing. We maintain our freedom of action with the

new systems software, which is more up-to-date and more ergonomic, and has added functions," explains Mr. Pennec.

After training, the team of remote CCTV operators has quickly adapted to the new system, and this affords them greater flexibility to manage the systems while at the same time ensuring that optimum security is maintained at Arkéa branches around the clock.

Unique partnership

If there is a failure associated with an overload, remote monitoring and alarms are re-routed to the CCTV platforms of Gunnebo France in Nice or Vélizy.

"We have absolute peace of mind because we know that back-up is assured, whatever happens. We also considered outsourcing the operation at night and weekends, but our security control centre is often called upon to fulfil other roles, such as dealing with anomalies originating from customers. So that outsourcing option would make it necessary to re-think this service.

"This remote monitoring service, with the support of Gunnebo France, is a tailor-made solution which enables us to ensure security in our branches ourselves, without taking any risks, and keeping our future options open. We have formed a unique systems management partnership with Gunnebo France," concludes Mr. Pennec. ■



Security software and support from Gunnebo France has given banks in the Arkéa Group peace of mind.

FACTS

Remote monitoring from Gunnebo France ensures the provision of tailor-made services to manage and operate an effective security system. It also allows the system to develop and optimise its performance, whilst complying with the necessary regulations.

This facility is part of a new range of innovative services provided by Fichet-Bauché Télésurveillance which includes:

SYSTEMS MANAGEMENT

- Partial or complete outsourcing of your knowledge base and process bases: database storage.
- Provision of server clusters accommodated in a high-security environment and accessible at all times.

SUPPLY OF TURNKEY REMOTE MONITORING CONTROL CENTRES

- Assistance in drawing up a specification of requirements.
- Engineering and assistance in creation (hardware and software).
- Recruitment and training of operators.
- Installation and management of the team of operators.
- Continuous maintenance and upgrade service.





From left to right: Alain Abgrall, Operations Manager, Delphine Guerrier, General Manager and Frédéric Famchon, Technical Manager, Business Line After-sales Gunnebo France.



Service is essential to long-term relationships

From maintenance contracts to consulting, auditing and remote surveillance, Gunnebo's service offering covers a broad range of activities.

TEXT | Karin Wallström

Gunnebo's service offering differs from market to market since it is very tightly linked to the products and market positioning. It covers everything from direct or indirect distribution of simple products to the integration of complex solutions, which may even include competitors' products. In the Group's largest Customer Centre, Gunnebo France, these activities account for 33 per cent of annual sales and 450 employees.

To gain a better idea of what Gunnebo's service business looks like on a day-to-day basis, Global met with Delphine Guerrier, Manager for Service and Remote Surveillance at Gunnebo France.

A platform for new business

"Service is a huge responsibility where customer focus, reliability and integrity are key factors," says Delphine Guerrier. "Thus, Service in France is first and foremost about men and women who are totally dedicated to client satisfaction. These employees are a genuine force for Gunnebo. Developing them is at the heart of our management philosophy and as they develop, the Group's human values develop too. Being demanding, I particularly appreciate curiosity and open-mindedness in our staff: putting things into perspective, redefining oneself, developing, discussing our experiences."

Some partnerships have even been created thanks to Service. One example is a very famous French sports equipment chain with some 220 stores in France. To start with, this customer entrusted all its sites to Gunnebo Remote Surveillance, only then to request a general agreement for installation of video surveillance systems, followed by the installation of burglar alarms. Today they have also used Gunnebo to implement the SafePay™ closed cash-handling system as part of their new store concept.

"In our security sectors, when choosing a product or a solution, the client expects an ongoing commitment and wants to know the total cost of ownership. Moreover, clients' needs are based on problems which require us to set up effective, upgradeable solutions," says Delphine Guerrier.

Global security expertise

Delphine Guerrier sees many opportunities for the future within the Service business, not least because the Group is now also able to position itself as a solutions integrator.

"Gunnebo has many assets enabling it to retain and develop a leading position in the security service market. These include a global offering packaged by market, technological expertise, national

coverage, and knowledge of our clients' requirements," states Delphine Guerrier.

Gunnebo's future service offering

"In the future, we need to focus on high-value added services: 'teleservices' (remote maintenance, remote surveillance, etc.), consultancy, and the creation of new offerings such as training courses," explains Delphine Guerrier. "We come from an industrial world of products and systems, and now the trend among our clients is to buy a global service package.

"We have what it takes to succeed – it's all about having a harmonised strategy. What's more, Gunnebo's service philosophy is particularly well adapted to multi-site concepts such as bank, mass distribution and industry." ■

FACTS

Name: Delphine Guerrier

Born: 1970

Education: Degree in auditing and chartered accountancy.

Career within Gunnebo: Joined the Group in 1996 as an internal auditor, and later as Financial Director and Managing Director of the Electronics business. In 2006 became Manager for Service and Remote Monitoring in France.

One team, over 1 000 safes and the journey

In June 2008, Gunnebo was awarded a contract consisting of supplying safes to 128 offices set up by the client in 125 different countries all over the world within 18 months.

TEXT | Linda Gårdlöv

A European installation team of twelve Polish Gunnebo technicians was hand-picked for the mission to install the five types of safes around the world. The project was managed in Belgium, close to the customer's headquarters. The adventure began in September 2008 with 1 088 safes as luggage.

Gunnebo was responsible for organising the international transport, the actual delivery, the fitting in each building, installation, programming of the electronic locks and user training at each site.

Before the project even began some things needed to be sorted out. The first challenge was to find partners to help with the logistics. Most companies could only offer a partial service but finally DHL-Danzas in Germany and AGILITY in Switzerland were chosen.

Successfully carried out

The second challenge was to set up the global project but keep a personal approach per entity with specific demands in each of the 125 countries with their multiple requirements, different ways of thinking and reacting, and different needs for information and so on.

The months passed and installation after installation was successfully carried out. Although along the way the team did encounter some problems: transport and customs clearance delays, strikes at both airlines and customs, riots, bad weather conditions, flight cancellations, an earthquake, countries at war, visa complications for the technician, ten counts of lost luggage (including the entire set of installation tools), a removals company not showing up, and some scratches to the safes. But despite all this, only one safe was totally ruined and there was only one error of quantities. ■



ALGERIA: "We needed an exemption document to get customs clearance: our technician had to wait one week for this precious document."



SUDAN: "There was a riot in front of the customer's building. The local removals team didn't show up. Safes and cabinets were left at the door. With help from some of the customer's local workers, Gunnebo technician Michal did the job himself."



CAPE VERDE: "There was only one crane in the whole of Cape Verde and we needed it!"



HONDURAS: "The country was at war and in a state of crisis."



ARGENTINA: "We had to dismantle the windows to get inside the building to install the safes."



CONGO (Kinshasa): "Strike at customs: impossible to take the equipment from the warehouse. We had to go here twice to finish the job."



of a lifetime



ARMENIA: "The site had a modern spiral staircase made of glass and some of the steps were not even attached to the wall. Nobody knew if it would cope with the weight of the heavy safes. Some advice from an eminent architect was required. We had to make two trips to Armenia before doing the job... and in the end we completed it no problem at all."



ETHIOPIA: "One safe was totally destroyed by the fork of a forklift truck."



AFGHANISTAN: "This delivery was considered to be essential to the customer. Two safes were specially fitted to fulfil specific needs. Our technicians had to wear bulletproof vests."



TAIWAN: "There was an earthquake while our engineers were in the country."



PAKISTAN: "Robert arrived at a strange and disturbing guest house. Everything seemed menacing – there were sleepless nights."



LESOTHO: "Very bad and windy weather. Our technicians flew out from Johannesburg but it was impossible to land in Lesotho and the plane had to turn back. Robert was assisted by Gunnebo South Africa and reached Maseru in Lesotho by road."



DJIBOUTI: "The removals team was 13 workers who worked barefoot and without any tools, not even ropes. There were some scratches left on the staircase after the work was done."



AUSTRALIA: "No logistics company wanted to do the job in Canberra and we needed a crane. It took us three weeks of negotiation to get the safes inside the customer's premises."



Gunnebo has recently delivered Designergate RF Electronic Article Surveillance (EAS) systems to Thomas Land store and Palladium store located in the popular Drayton Manor Park, an amusement park in the English West Midlands.

Retail security which pays for itself

Within the first few weeks, the installation of an Electronic Article Surveillance system enabled Drayton Manor Park to apprehend several thieves, and has already more than paid for itself.

TEXT | Linda Gårdlöv

Drayton Manor Park is a theme park offering rides and attractions located in the West Midlands region of England and set in 6 000 square metres of beautiful parkland.

Gunnebo has previously delivered a Grade IX vault, several cash safes and now most recently four Gunnebo Gateway Designergate RF Electronic Article Surveillance (EAS) systems which were installed in early 2009 at two of the park's new retail premises: Palladium stores and the Thomas Land store. The latter is the only one of its kind which links directly to the attraction.

Adventure for all ages

Thomas Land is a multi-million euro

attraction promising fun and adventure for the young and young at heart. It boasts twelve themed rides, an indoor play area and a shop filled with merchandise.

Gateway's Designergate was chosen by both outlets for its performance and design. An annual preventative maintenance and reactive maintenance contract is combined with the latest installation.

"We have worked with Gunnebo over many years as they have a wide range of security products that meet our exact needs. When we needed a solution to protect items within our new Thomas Land and Palladium stores, Gunnebo was the first choice. Once more they have delivered in terms of quality of product, service and price," says William Bryan, General Manager at Drayton Manor Theme Park.

"We are already in discussion regarding additional security doors and fencing for the perimeter of the park and the new hotel complex." ■

! [Read more
www.gunnebo.com/EAS](http://www.gunnebo.com/EAS)



Gunnebo Gateway is a supplier of anti-theft systems for the retail sector worldwide and develops, manufactures and markets solutions built on every existing form of Electronic Article Surveillance (EAS) technology. This encompasses RF, AM, EM and even the unique RM, a combination of RF and EM technology.

Cash handling system installed at Swedish Panaxia

Gunnebo and Panaxia Security have had a long partnership in cash handling and secure storage. During summer 2009, Gunnebo delivered new solutions to the Swedish group with a related service and maintenance contract.

TEXT | Linda Gårdlöv

Panaxia Security is a security group with some 900 employees and operations

centres at 23 locations across Sweden. It offers services in secure transit, cash handling, logistics, security staff, surveillance and technology.

Gunnebo's delivery to Panaxia's new cash-counting centre includes installation of a prefabricated vault, which has upgraded physical security and provides a complete solution for the Panaxia Group's modern cash management.

"We have peace of mind with Gunnebo as our security supplier; they have offered

the best value for our investment," says Ingemar Eriksson, head of the Cash Management business area at Panaxia. "When it comes to production and logistics, the new installation is built with a brand new approach, enabling us to create the security concept we want. Needless to say, we have complied with the Swedish Bankers' Association standards when building the cash-counting centre." ■

Gunnebo Troax strong partner in energy-efficient construction

For construction company NCC, environmental work involves taking responsibility for the future, as well as consciously focusing on costs before, during and after a project. For this they have to be able to rely on their suppliers, including Gunnebo Troax.

TEXT | Anna Blomén

“Our customers demand that we are in control. We don’t want any surprises in our construction projects,” says Anders Edlund, Head of Procurement at NCC Construction Sweden. “Purchases from suppliers make up 70 per cent of our turnover, so we must have them on board as we develop our environmental work.”

Nowadays this work not only involves avoiding harmful substances and emissions, but energy optimisation during the

production process is equally important. As much as 15 per cent of a building’s total impact on the environment over 50 years is from its construction materials.

“It’s not an easy task, but energy is costing more and more and is an important parameter. Effective environmental work is also a means of reducing costs.”

NCC therefore requires its suppliers to continue working to minimise adverse environmental impact even after the tendering period. Such is the case at Gunnebo Troax, where environmental work has changed from eliminating environmental risks to streamlining production in terms of power consumption and excess heat recovery, for example.

“We have been working with Gunnebo Troax for a long time, partly on storage units for the apartments we build,” says Edlund. “One advantage of this collaboration is that we work directly with the manufacturer, which makes environmental work easier and is important in ensuring the right quality.”

And the prospects are good for the collaboration to continue. NCC’s own development work entails standardising and industrialising construction.

“In the future it will be increasingly important that we agree with our



“Efficient construction at the right price, and with the lowest possible impact on the climate, is an important future issue. This is why we are investing in improving construction methods and collaboration processes, and reducing energy consumption.” Anders Edlund, Head of Procurement, NCC Construction Sweden.

suppliers about cost development. We need to work together to slow the cost spiral in the construction industry. This entails streamlining the entire production process, both on site and among subcontractors. This is where Gunnebo Troax is strong. It has a system and can produce the products that are required. We need more standardisation in the construction industry.” ■

FACTS

In 2008, NCC in Sweden had a turnover of more than 3 billion euros and around 10 700 employees. NCC Construction Sweden builds housing, offices, roads, industrial plants and other infrastructure in Sweden.



Environmental work producing big results

For Gunnebo Troax, complying with environmental laws and regulations goes without saying. After eliminating all the major environmental risks, it is time for the finer details. There are, however, also serious financial savings to be made. The goal is to be five per cent more energy-efficient by 2012.

TEXT | Anna Blomén

“We have just installed a new production line with electric motors rather than com-

pressors,” explains Irene Jansson, Environmental Manager at Gunnebo Troax.

“We demanded guarantees that it would use less electricity. Also, we’ll soon be starting up a system designed by our maintenance department to recover the heat from the hardening furnace. It allows us to shut down the gas heating during the summer months and use the immersion heater to heat fresh water. The savings are estimated to be at least 50 000 euros. Small changes produce big results!” ■



Irene Jansson, Environmental Manager at Gunnebo Troax, considers the environmental impact of all internal processes.

Airport security constantly changing but always in focus

Security is one of the genuinely major areas in an airport's budget and operation. The Swedish airport operator, LFV, has around 500 employees at Gothenburg's Landvetter Airport and roughly 40 per cent of them work in security. "A lot of the work is secret, but it's also important to clearly show travellers that we're always thinking about security issues and that the airport is a safe place to be," says Dan Larsson, Head of Security at Landvetter Airport.

TEXT | Karin Marks

It has been eight years since the acts of terror in the US on September 11, 2001. The day that changed a great deal, at airports in particular. Security has always been a priority here, but after that day it was quickly tightened up and harmonised regulations were drawn up in the EU.

"Today we are closely governed by official requirements, which set the bar for what we have to achieve. And that's what security is all about: if you have something that may be attractive to someone else, you have to continuously improve the protection. The people who want what you have are probably also improving their methods or changing their goals," says Larsson.

Focus on acts of terror

What are the main risks you take into account today?

"Criminality in various guises is always a risk, but generally the regulations focus on acts of terror. These are what the general framework of regulation is based

It is vital that our customers have confidence in us

on and why it's so important to have the same approach across national borders," Larsson explains.

Major budget item

A couple of hundred personnel at Landvetter Airport work in Security. In terms of number of personnel at the airport, this is far larger than the area encompassing technical operational security. For example, a lot of resources are dedicated to security checks on passengers and luggage. In fact a very high proportion of the total expenditure on personnel is security

related. The budget for equipment and technology is also strongly influenced by security requirements.

"We have equipment worth a great deal of money, products from Gunnebo as well as technology for inspecting luggage and so on."

Secrecy

One goal is to make sure as few employees as possible have knowledge of the entire security system, which comprises many different components and functions: infrastructure, machinery, camera systems and personnel with various duties.

"The more people have knowledge of the entire system, the more vulnerable it is, which is why a lot is confidential," Larsson explains.

Safe travellers

Ultimately the aim of all security is to protect travellers. It is important that passengers know this and feel safe.

"There's a perception that aviation is particularly vulnerable to terrorism, for example. This makes it particularly important that we clearly show how much work is going into security. It is vital that our customers have confidence in us," Larsson concludes. ■

! Read more
www.gunnebo.com/airport



Qantas upgrades its passenger exits

Gunnebo's security doors are streamlining and increasing security at Perth Airport, as Australian airline Qantas upgrades its passenger exits. A deal with potential for growth. "There's tremendous business potential for us as Qantas modernises its entrances and exits at all the major airports in Australia," says Laurie Mugridge, Business Development Manager for Gunnebo Australia.

TEXT | Karin Marks



The latest order was for two double security doors for passengers, Gunnebo PasSec HSW, which were installed at the exit from baggage reclaim at Perth Airport. The doors will increase security and make it impossible for anyone to access the secure area. Moreover, resources will be saved as no staffing is required. In the past the exit comprised simple automatic sliding doors, manned by security guards.

"This type of door is becoming increasingly common at airports around the world. We know that Qantas is planning an upgrade at all the major airports in Australia, and we think there's a good chance of winning those orders too. That would entail business worth around two million Australian dollars (about 1.2 million euros), which is a considerable amount," says Laurie Mugridge.

"We have a good relationship with Qantas from previous jobs. Along with the current installation in Perth, I think this means we're well positioned ahead of their future projects." ■

Barcelona Airport installs stylish EAS systems

In summer 2009, Gunnebo Spain installed 50 Electronic Article Surveillance (EAS) systems at Barcelona's new airport terminal, T-1. Manuel Latorre Marin, Head of Marketing at Gunnebo Spain, is pleased with the order and hopes that Barcelona Airport will become a regular customer.

TEXT | Qithara Inal

In early spring, Gunnebo Spain signed an agreement with Areas, Spain's leading dealer of security systems at airports, to install part of the security systems in the shops at the new T-1 airport terminal in Barcelona. The agreement was for 50 Electronic Article Surveillance (EAS) systems at most of the stores in the shopping area.

"The equipment is attractive and modern. When the alarm is activated a red light flashes, which creates the

impression of several different colours in the plexiglass. The equipment is also a deterrent, and therefore effective in fighting theft," says Latorre Marin.

Barcelona International Airport is one of the busiest airports in Spain with some 30 million visitors a year. The new T-1 terminal is 500 000 square metres and creates large display areas for Gunnebo's latest EAS equipment.

"This was our first installation of EAS antennas at Barcelona Airport, although we have previously installed the same security equipment for other customers. Obviously I hope Barcelona Airport will become a regular customer."

"This order bears testimony to the fact that Gunnebo has delivered innovative, efficient solutions of high quality. Now we are helping our customer in the strategic move towards increased accessibility through self-service," says José Ortuno, Manager Gunnebo Region South Europe. ■



Many of the stores at Barcelona Airport's new terminal are protected by EAS systems from Gunnebo.

Middle East airports invest in high-end access and entrance control systems

The installation of high-security immigration gates at Bahrain International Airport has generated further business. The airports in Oman and Abu Dhabi are now both interested in Gunnebo's security equipment. "The installation in Bahrain has helped us a great deal – we're proud of it," says Jacob Touma, Country Manager Gunnebo Middle East.

TEXT | Qithara Inal

Gunnebo's business in the Middle East has been a success since the operation began in early 2000. Recently the best-selling products have been various systems for access and entrance control.

In September 2008, four pilot installations were delivered to Bahrain where ImmSec was integrated with smart ID card readers, fingerprint scanners, two LCD monitors and TDAR, Gunnebo's unique system for single person and left items detection. The decision to equip Bahrain International Airport with electronic passport control is part of this initiative, which the airport continues to this day.

Satisfied customer

"We offered the latest technology and the customer is extremely pleased with the equipment. Bahrain wants to continue investing in security, but has decided to keep the pilot systems a while longer before making a full investment," says Touma.

Biometric identification requires ID documents to be pre-programmed, but in return waiting times at passport controls, for example, are far shorter for people with biometric travel documents.

The installation at Bahrain International Airport has generated a lot of business, as Touma explains. For example, the airports in Oman and Abu Dhabi, to which Gunnebo has previously delivered speed gates, are now interested in ImmSec immigration gates.

New terminal in Qatar

Another order Gunnebo has already brought home is for Doha Airport in Qatar, where a new terminal is under construction – the Amir's own terminal, which is independent of the standard passenger facility. The new terminal building will have an exclusive design,



intended for the Amir's family, senior government representatives and other important visitors to Qatar. The installation of specially designed gates and bollards began in late 2009. The order is worth around 750 000 euros.

"We knew how important security was in this particular project, and we endeavoured to deliver the best possible security solutions from the word go," Touma concludes. ■

FACTS ABOUT IMMSEC

ImmSec is an automated high-security immigration gate. The system is highly secure and efficient, and lets only one person through the gate at a time. The initial order encompasses four pilot installations of ImmSec in which smart ID card readers, fingerprint scanners and two LCD monitors will be integrated with Gunnebo's unique system for single person and left items detection, TDAR.

Anti-return gates designed to meet specific needs of airports

Since the Czech Republic became a Schengen nation in 2008, security requirements at its airports have been tightened up. As part of this, Gunnebo Czech Republic has delivered and installed four PasSec anti-return gates at the new airport terminal in Prague.

TEXT | Qithara Inal

When Prague Airport chose security equipment from Gunnebo Czech Republic, the technology and easily accessible support were the main determining factors.

"This project is the result of our continuous endeavour to stand out in the market, and naturally I'm delighted," says

Jiri Machka, Country Manager Gunnebo Czech Republic in a press release.

The PasSec anti-return gates are designed to meet the specific needs of airports, and have a detection system that prevents passengers from returning to departures after entering arrivals.

Jana Klapstova, responsible for products and logistics at Gunnebo Czech Republic, says that Gunnebo has previously carried out various security installations at Prague Airport, but this is the first time it has delivered anti-return gates.

"The equipment has an unobtrusive design and is user-friendly. The customer is pleased and naturally we hope this will lead to further orders," Klapstova concludes. ■



The PasSec anti-return gates at Prague Airport prevent passengers returning to airside.



With their reliability, driver assistance and security systems, MAN trucks contribute to making the transportation of goods much safer.



MAN backs integrated security

MAN Nutzfahrzeuge AG is one of the leading manufacturers of trucks and buses in Europe. The company has over 36 000 employees and last year recorded a turnover of 10.6 billion euros. Just like other internationally successful companies, MAN has had to focus on the issue of security at its plants around the world. We met with Lars Wrebo, Production Director, to talk about how MAN Nutzfahrzeuge AG protects itself from theft, sabotage and industrial espionage.

TEXT | Birgit Krüger

“Security is an important issue for us and that is why it is part of our integrated management system,” says Lars Wrebo.

At all of MAN’s plants, the structures, processes and standards are uniform.

“We know that we are the focus of criminal activity due to our success and prominence,” Wrebo adds.

Last year the company launched a project to coordinate physical security, information security and data security issues and measures. The aim was to establish a uniform security philosophy for the entire company.

“Only by connecting all areas of security into one network, can we protect our values and expertise from criminals,” explains Wrebo.

MAN is faced with the challenge of developing efficient security standards which can be adapted to plant require-

ments – on a national and international level. Processes need to be flexible and constantly improved since the overall security situation and the requirements of each plant are always changing.

Access control

“People – our employees – are a central aspect here. MAN is therefore concentrating on increasing awareness about security issues amongst our staff. This will, for example, enable us to reduce the risk of industrial espionage. But we are still aware that some risk always remains,” states Wrebo.

In recent years the company has been investing heavily in access control to provide even better protection for knowledge and inventories.

“What is important for us is that systems are adapted to corporate work-

flows. Therefore, flexibility is also called for in addition to a high level of reliability,” emphasises Wrebo.

Theft and other risks

There are also risks for MAN outside its plants – which is the greatest?

The theft of freight certainly represents a big problem for suppliers and customers.

What is MAN doing to combat this?

It is important to support our forwarders by harmonising security requirements and route planning. As for our security service providers, reliability and trustworthiness are important criteria in the selection of personnel.

How can technical solutions increase security?

Technical equipment, such as trailer security or location systems, reduces the risk of freight theft. Security equipment which physically protects the drivers should not be forgotten either. With their reliability, driver assistance and security systems, MAN trucks contribute to making the transportation of goods much safer, not just in terms of protection from theft. ■



Lars Wrebo, Dipl. Ing.
Member of the Executive Board
of MAN Nutzfahrzeuge AG.

PROFILE | Lars Wrebo

Lars Wrebo was born in 1961 in Bollnäs, Sweden. He is married and lives in Munich.

Career

2006 to present: Member of the Executive Board of MAN Nutzfahrzeuge Group, responsible for Production

2001 – 2006: Senior Vice President, Chassis and Cab Production, Scania AB, Sweden

1996 – 2006: Managing Director, Scania Production Angers S.A.S., France

1992 – 1996: Technical Manager at Scania, Sweden

1986 – 1992: Joined Saab-Scania as a trainee and then became a production engineer and manufacturing manager

1982 – 1986: Studied engineering at the Royal Institute of Technology in Stockholm



SOUTH AFRICA |

Sponsoring HIV/AIDS youth education

Gunnebo is sponsoring a high school in Kwa-Zulu Natal, South Africa for the next three years – by paying for an educational programme aiming to slow the spread of HIV/AIDS among young people in the area.

Students at Khombindlela High School, in a township near Empangeni, Kwa-Zulu Natal, are now, thanks to the sponsorship, enrolled in the Star for Life programme*.



Running alongside the normal curriculum at the school, the programme teaches HIV/AIDS prevention and encourages students to dream with hope about their futures – regardless of their (HIV) status.

Today, almost 40 per cent of pregnant women in this province are HIV positive.

“Our customers will be happy to know that Gunnebo is assisting the youth of Empangeni Township towards a better life in the future, and thereby also contributing toward our Black Economic Empowerment (BEE) responsibilities,” says Robert Hermans, Country Manager Gunnebo South Africa.

“AIDS affects young stars by leaving them orphaned and sometimes intellectually disturbed,” says Mondli Smthethwa, 16, a student at the school. “Although young people are already affected, they can still learn a lot from Star for Life and live their dreams.” ■



“The Star for Life programme was started by Swedish businessman Dan Olofsson and his wife Christine. Since the pilot school opened in 2005, the Star for Life programme is now running at more than 50 schools in South Africa, in coordination with the Department of Education. The programme also operates in Namibia.”

SOUTH AFRICA |

Customised safe secures staff and valuables

In South Africa, safes with a drop facility are commonly used through-out the country where the standard consists of a safe with a lockable drawer that will deposit the money into the safe. One disadvantage of these types of safes is that the safe is only secure when the deposit facility is locked.

To overcome these problems, Gunnebo has designed and patented the “G-Trap” deposit facility – a keyless deposit facility that is graded even when it is open.

“Our customers appreciate the G-Trap as it offers a unique product solution – no other competitor has this keyless option. It has worked for a food retail group, where they are converting some of their branches to this new design safe.



“Typically it is preferred where cash could be dropped when the managers are not on site, without keys at no risk to the franchise environment,” says Eulandé van Rhyn, Sales Consultant. ■



SWITZERLAND |

The only supplier of wedge barriers with the right dimensions

Needing to adapt their entrance for vehicles to new legal standards, a nuclear power station in Switzerland chose to work with Gunnebo Switzerland.

“What tipped the balance in Gunnebo’s favour was the fact that we are the only supplier of wedge barriers with the dimensions that they needed,” says Urs Schmid, Business Line Manager Site Protection.

Four wedges, four speed gates plus two electromechanical swing gates were included in the concept supplied by Gunnebo which has successfully been installed in two construction steps.

“This strategic security solution for nuclear power plants will strengthen Gunnebo’s position in Switzerland,” says Mike Finders, Country Manager Gunnebo Switzerland. ■



USA |

Modern design and broad functionality – a success in New York

In the heart of Manhattan’s bustling business centre on Park Avenue, midtown New York, Gunnebo Entrance Control Inc completed the first installation of Gunnebo’s latest OptiStile model, the OptiStile 720, in 2009.

The SpeedStile FL, the predecessor, was introduced in the US at the April 2008 ASIS show, an organisation for security professionals, where it received a great deal of attention. At the same time, competitors introduced similar glass-panel speed gates with optical capabilities to the market.

For Gunnebo it was a simple design change to replace the steel-pronged barriers of the OptiStile 220 with glass panels.

The resulting OptiStile 720 has a 1.2 metre by 1.65 metre footprint with entirely glass casing; all the electronics are in the base, lid and supports. The lids can be customised to enhance, complement

or accent just about any interior design. As for functionality, the OptiStile 720 has three operating modes: Normally Closed, with the glass wings in the closed position; Normally Open, referred to as “Pop Out” in the US, with the glass in the open position and closing on an invalid entry; and the optical mode, with the glass wings remaining inside the cabinet.

The product itself went through over 30 days of testing resulting in over 1 000 000 cycles without failure or reduction in performance and has been submitted to CSA for certification.

“We had previously installed Gunnebo SpeedStiles at two of our New York City office properties. After acquiring Park Avenue Tower in 2008, we once again looked to Gunnebo to work closely with our project team on enhancing the security in the lobby of the building. The new OptiStile 720 swing gates met our architectural requirements by combining a modern, open, glass pedestal design with a minimal product footprint allowing us



to fit three lanes in each of our elevator banks,” says Richard H Coleman, Vice President of building owner Shorenstein Realty Services.

With its modern styling and multiple functionality modes that meet many local building codes, the OptiStile 720 is generating interest both in and outside of the US.

As for New York, three lanes are successfully up and running in the Park Avenue Tower. ■

INDONESIA |

Design, supply and installation of fire fighting to Doosan Heavy Industries

Gunnebo Indonesia has received an order to design, supply and install a firefighting system for all engineering, procurement and construction processes at Doosan Heavy Industries Coal Fire Power Plant located in Indonesian Cirebon, West Java. The order is worth some 2.5 million euros.

Gunnebo Indonesia will design, supply and install a firefighting system for all engineering, procurement and construction processes. Products to be supplied

include fire alarms, hydrants, sprinklers, water sprays, fire suppression systems, fire extinguishers and fire engine trucks. The project is estimated to be completed in May 2011.

Gunnebo Indonesia won the deal after a closed tender held by PT DHII. The tender evaluation included a full assessment of each company, including competency and expertise in providing the systems, experience in similar projects, and of course reasonable and competitive pricing. PT DHII were convinced of Gunnebo's quality and capability of delivering the project. ■

FACTS

- Doosan Heavy Industries and Construction is one of the world's largest companies with experience in building power and desalination plants across the globe.
- Doosan has so far built over 300 nuclear, thermal, combined cycle and hydro power plants. Doosan is currently building more than 60 power plants in Korea, Thailand, India, the Middle East and other areas.

DENMARK |

Helping customers to rationalise



In March 2009, Gunnebo Nordic received an order for a SafeControl Management system and 101 SafeLocks from Swedish Bank Nordea for their branches in Denmark.

Nordea Copenhagen had decided to insource the service of their ATMs and they saw the chance to rationalise the management of keys and registration when they turned to Gunnebo Nordic

"We are very satisfied with the SafeLock CIT solution. It has given us the desired flexibility in connection with the servicing of the ATMs which was previously provided by an external supplier. The

new system also allows us to immediately respond to errors with the ATMs, even though the planned service route does not include the ATMs.

"We are seeing a very well functioning system in operation without any kind of crash. User training for the system was organised and implemented in a quick and efficient manner.

"Altogether it has been a good and correct decision to introduce SafeLock at the Nordea branches in Denmark," says Jørgen Vang Pedersen of Nordea Copenhagen.

By the end of the summer 2009, the locks were installed all over Denmark and Nordea have now decided to order another 50. ■

DUBAI |

Prestigious award received in the Middle East

Dubai-based Gunnebo Middle East has been awarded Frost & Sullivan's "2009 Middle East Oil & Gas Infrastructure Security Customer Value Leadership Award".

Gunnebo Middle East received the award for the ability to deliver complete security

solutions for high-security areas like banks, retail and infrastructure protection sectors with the following motivation: "Gunnebo's in-depth knowledge of security systems enables them to provide tailor-made solutions by fully understanding the needs of the customer. Within the oil and gas security market, outdoor and indoor perimeter security is served by the

Site Protection segment of Gunnebo. The company's solutions also include physical security and integrated security. Along with their one-stop solution capability, they have driven their customer base expansion, ensuring they are among the global leaders in providing integrated solutions. These factors make Gunnebo a worthy recipient of this accolade." ■

! Read more at
www.gunnebo.com/award

GERMANY |

Gaming operator to install Gunnebo deposit safes

Extra-Games Entertainment has ordered 190 Callisto Dep deposit safes to be installed at every one of its branches.

The company, which operates cash gaming and entertainment machines at centres across the whole of Germany, needed a secure storage solution which would boost safety for personnel.

In choosing Callisto Dep, Extra-Games also met their requirements for a safe with an integrated deposit drawer, a resettable lock and a certificate from the European test institute, ECB•S.

It was equally important for them to choose a supplier with national service coverage, which they found in Gunnebo Germany.

Callisto Dep is certified for burglary protection in the deposit safe classes DI and DII (EN 1143-2). The safe allows deposits to be made via a drawer trap without staff having to open the safe and an anti-fishing device below the drawer prevents anyone from reaching in and grabbing deposited cash and valuables. Callisto Dep is sold and marketed under the Rosengrens brand. ■



NORDIC |

Gunnebo takes third position in the Carbon Disclosure Leadership Index

When it comes to climate change and reporting, transparency is the key. To hold a position in the Carbon Disclosure Leadership (CDPL) Index, reporting needs to be shown and there must be a professional approach to corporate governance regarding climate change disclosure practices.

The Carbon Disclosure Project (CDP) works with both private and public sector organisations to facilitate the collection of climate change data from their supply chains.

Some 2 500 major corporations around the globe report their greenhouse gas emissions and the risks and opportunities posed by climate change through CDP. The CDP represents 475 institutional

investors with 35 trillion euros in assets under management, for its approach to climate change disclosure.

“This is confirmation of our work to improve our transparency and approach to environmental matters. This year we have established specific targets for environmental improvements in Gunnebo,” says Rolf Kjällgren, SVP Quality, Logistics and Purchasing. ■

SPAIN |

Optimised efficiency for local police control centre

The Coslada Police Department selected Gunnebo Spain for the design, supply and installation of a new security control centre at its headquarters in Madrid.

The new control centre is equipped with a VideoWall as the main management tool but the project scope also includes CCTV perimeter security.

Gunnebo Electronic Security's integrated SMI Server will be displayed on the VideoWall for the management of every sub-system installed at the Coslada Police Department, such as CCTV, access control, licence plate recognition and an alarm intrusion system.

The control centre has been live since June 2009 and the good quality of the installations has been recognised by members of Madrid City Hall. ■



“This solution means huge progress and improvement for all services provided by the local police as well as improving working conditions for the users. Together with Gunnebo, we have managed to optimise the efficiency of the Local Police Control Centre,” says José Miguel Regidor, Coslada Local Police Department Chief Officer.

In the picture: Felix Duque (left) and Jose Miguel.

Towering miracle – securing Dubai’s new iconic landmark

As an iconic building with a view of the world, the Burj Khalifa is recognised as a high-risk target. This towering miracle rises over 800 metres above the ground, higher than any other man-made structure in the world.

The construction will house offices, apartments, food and beverage establishments, leisure and recreational facilities and an observation deck as well as ancillary services and communication.

“After a lengthy investigation process we turned to one of the most renowned

names within site protection security in the Middle East – Gunnebo – and asked them to help us secure the building,” says Jonathan Keith, Branch Manager Fire & Security Systems at Johnson Controls International UAE.

The Burj’s security protection starts from the outside, where Gunnebo has delivered crash-rated Road Blockers K12. On entering the building you will have to identify yourself at Gunnebo’s SpeedStiles and GlasStiles before being granted access.

“Gunnebo has shown great flexibility throughout the project and has delivered customised products to meet the high

standards set by the architect’s design,” adds Jonathan Keith.

“This prestigious project serves as an essential reference for our future development in the region and, for that matter, the world. We can simply state that with this project, we have achieved a milestone in the security market,” says Jacob Touma, Country Manager, Gunnebo Middle East.

Burj Khalifa was officially opened on January 4, 2010 – the anniversary of Sheikh Mohammed bin Rashid Al Maktoum’s becoming ruler of Dubai. ■

 [Read more
www.gunnebo.com/highsecurity](http://www.gunnebo.com/highsecurity)



Facts about Burj Khalifa:

- Height of antenna: 828m (2 717ft)
- Roof: 688m (2 257.2ft)
- Top floor: 636m (2 087ft)
- Floor count: 160 habitable floors
- Floor area: 334 000m² (3 595 100ft²)
- Opened: January 4, 2010

Two current world records among others held by Burj Khalifa:

- Tallest freestanding structure: 636m (2 087ft)
- Building with most floors: 164