

# Global

A CUSTOMER MAGAZINE FROM THE GUNNEBO SECURITY GROUP

#2 2012



## Safes Which Protect More Than Valuables

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Family Choose  
Safe over  
Alarm System

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**ABOUT GUNNEBO**  
Gunnebo is a brand that hails back to 1764. The company originally made nails, and later also sold chains and lifting systems. Since 1995 more than 40 companies have been acquired worldwide. In 2006–2007 they were all integrated into a common structure under a single brand name – Gunnebo. The vision is to make Gunnebo the leading global provider of a safer future for customers in Bank Security & Cash Handling, Secure Storage, Global Services and Entrance Control.

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**FRONT PAGE**  
Gunnebo is working for a safer planet



*“By working across markets and Business Areas, Gunnebo can drive and support wide-ranging security projects with implementation at multiple sites and in multiple regions.”*

**Per Borgvall, President and CEO, Gunnebo**



# Guarded by Cobra

The new Grade I range from Chubb safes, launched in January 2012, is already proving a success in Europe.

TEXT | Rob Suddaby

Designed as a simple, compact and cost-effective secure storage solution for domestic and commercial use, the new Cobra G1 range has been independently tested, gaining Grade I certification in line with the European norm for burglary protection, EN 1143-1.

“Cobra G1 has launched well in key markets in Europe, such as the UK, Germany and Nordic,” comments Andy Rymill, Product Manager. “The demand for low-graded safes like the Cobra G1 is high.”

The range has three sizes, with capacity from 40 up to 150 litres, and all models are fitted with a certified Class A key lock. An electronic locking version will also be launched in the first half of 2012. Extra features include a soft-touch handle on the safe door and an interior ladder racking system for the flexible positioning of multiple shelves. ■



# Safes Which Protect More Than Valuables

TEXT | Rob Suddaby

**T**he arrival of Chubb safes Elements heralds a new marketing approach for safes aimed at the home and small office segment.

Chubb safes, one of Gunnebo's premier secure storage brands, recently launched the Elements family of safes, made up of the four ranges, Air, Water, Earth and Fire. For each range in the family, Chubb safes has decided to make an annual donation to a charity or project dedicated to saving the environment.



**“We really like the general concept of wider protection being the driver for charity partnerships”**

“It's a natural extension of the idea of protection,” explains Mark Brookes, Product Manager. “Our number one priority is to protect customers' valuables and in making a contribution to four different environmental projects, we are also doing a little bit to help protect the planet.”

For Air safes, a donation will be made to Carbon Clear, an organisation which runs projects to offset the harmful emission of greenhouse gases. For Water safes, WaterAid, a charity which works to give poor communities access to safe water, will be receiving a contribution. For Fire safes, a donation will be made to Cool Earth, which is working to end the destruction of the rainforests, and for Earth safes, Chubb safes will be supporting TREE AID, a charity which fights poverty by planting trees in Africa.

“We really like the general concept of wider protection being the driver for charity partnerships,” says Sarah Moore, Partnerships & Development Officer at TREE AID. “Our charity helps needy communities living on the harsh edges of the Sahara desert – almost one million trees were planted and protected last year alone. So every Earth safe in a home protects poor families, protects the planet, and protects your valuables too.”

**For more information** about all the projects Chubb safes Elements is supporting, visit [www.chubb safeselements.com](http://www.chubb safeselements.com).



## Chubb safes Elements

Chubb safes Elements is made up of four ranges – Air, Water, Earth and Fire – with each range offering a higher level of security than the last.

- Air – basic protection
- Water – certified S1 burglary protection
- Earth – certified S2 burglary protection
- Fire – certified fire (30 P) and burglary (S2) protection





### Carbon Clear

Carbon Clear sources and develops carbon offsetting projects across the world aimed at reducing the production of harmful greenhouse gases. Many of the impacts of climate change can be reduced, delayed or avoided by reducing the emission of greenhouse gases such as carbon dioxide and methane.

[www.carbon-clear.com](http://www.carbon-clear.com)



### WaterAid

Water is an essential resource for life and good health, yet 884 million people do not have access to safe water. This is roughly one in eight of the world's population. WaterAid transforms lives in the world's poorest communities by improving access to safe water, hygiene and sanitation.

[www.wateraid.org](http://www.wateraid.org)



### Cool Earth

Cool Earth works with local communities across the globe to protect rainforest from being cut down for timber or burnt to clear for cattle ranching. Rainforest destruction is a massive contributor to climate change and yet every minute 100 acres of rainforest is cleared. If this continues it will not only have a devastating effect on our climate and water supplies but will threaten millions of species of plants and animals.

[www.coolearth.org](http://www.coolearth.org)



### TREE AID

Trees planted in rural drylands significantly reduce the vulnerability of communities to drought and famine. TREE AID helps fight poverty by enabling communities to understand how to unlock the potential of trees – they begin to restore their environment, increase their ability to grow food and create a family income by selling things that grow on trees.

[www.treeaid.org](http://www.treeaid.org)





More people should  
consider buying a safe  
rather than installing  
an alarm system



Every evening the Westphals lock up their personal belongings such as mobile phones, iPods, wallets, purses, and car and house keys, in their Gunnebo safe.

# Family Choose Safe over Alarm System

**In summer 2008, there was a wave of burglaries in the residential area where Anna and Fredrik Westphal live in Gothenburg, Sweden. The thieves broke into homes and quickly took anything valuable that was visible from the windows. So the Westphals decided to invest in a safe.**

Having an increasing number of expensive goods in our homes raises the risk of burglary. The Westphals considered installing an alarm system, but felt for various reasons that it would not help much against opportunistic theft.

“Fredrik came up with the idea of buying a safe, and I was on board straight away. The safe doesn’t cost that much more than the excess on stolen goods, so it felt perfectly logical for me,” says Anna Westphal.

When looking for a safe, Fredrik used the Internet to view and compare different models. They eventually settled on one of Gunnebo’s smaller models.

“Our primary criteria were security, size and price. We ideally wanted something small that would

fit into a space where it couldn’t be seen from the outside. The main thing for us is that no opportunist is tempted to break into our home for a quick ‘grab and run,’” explains Anna.

The Westphals now use their Gunnebo safe all the time. Every evening they lock up their personal belongings such as mobile phones, iPods, wallets, purses, and car and house keys. The safe is firmly anchored down in a concealed nook in the hallway.

“It’s so easy to use. It locks and unlocks using a code lock. Three of us know the code. Our youngest, Isak, aged 6, is the only one who doesn’t. He’ll have to wait a few years until he has his own keys to lock up,” says Fredrik Westphal. ■



The e-CUB provides electronic safe deposit locker clients with an improved solution with new functionalities such as remote control solutions and real-time overview.

# Easy Upgrade with New Interface

**No need to change the whole safe deposit locker installation to benefit from the latest technologies. Gunnebo has developed the new e-CUB interface for easy electronic controlling of safe deposit locker systems without compromising existing installations.**

TEXT | Amel Loukal

Enhancing the service provided to clients and enabling them to take advantage of new technologies throughout a solution's lifecycle is part of Gunnebo's business strategy. The e-CUB is one of the latest Gunnebo technological evolutions that creates value for safe deposit locker clients.

The solution adds advanced features to an existing electronic safe deposit locker installation, such as remote control of the various self-service devices or the upgrade of legacy systems.

## Up-to-date system with no compromise

Clients do not have to break up their existing solution but can update the whole system by just connecting it to the new e-CUB interface and modules.

"Clients need not change their safe deposit locker installation – only the components need to be changed. The e-CUB is available in different versions so it will fit the client's specific needs," says Emmanuel Harir-Forouch, Product Manager for Safe Deposit Lockers.

Featuring an Ethernet-based interface, the e-CUB can be fully integrated with Rosengrens Box Management (RBM) remote control solutions, saving time, reducing deployment effort and offering an up-to-date solution at minimum cost. Furthermore,

the e-CUB is combined with the powerful Gunnebo SafeControl\* application which raises the level of functionality, providing global management of the safe deposit lockers, a real-time overview, event logs and comprehensive statistics.

Optionally, the new generation of SafeT access reader can offer an ergonomic GUI via touch screen, card reader or biometrics.

## Capitalise on your installation

The e-CUB provides safe deposit locker clients with an improved solution with new functionalities. Costs and implementation time are greatly reduced and clients can continue to use and control their existing system features and components, including the box selectors and card readers, via the safe deposit locker connection kit.

"The e-CUB is a fast and easy way for our clients to get an up-to-date solution which increases the level of functionality. It offers a sustainable safe deposit locker system architecture, enabling them to optimise their initial investment and capitalise on their existing installation," adds Harir-Forouch. ■

\* SafeControl software is the proven application used with SafeStore Auto, the robotised safe deposit locker solution.

## About e-CUB solution

- The main electronic unit is replaced by the e-CUB solution.
- A PC is installed on which the SafeControl solution is run. This, together with the printer, are directly connected to e-CUB.
- Box selectors, card readers and door openers remain in service and can continue to be used.
- The RBM self-service panel and card reader can be replaced by the SafeT terminal.







Several hundred GSL 1000 have been fitted onto safes, security doors and strong rooms and incorporated into banking facilities. One of the largest banks in the Czech Republic ordered more than 300 GSL 1000 electronic locks in order to enhance security.

## The Key to Maximum Security

Scarcely two years after it was launched, the GSL 1000 electronic lock has achieved great success among Gunnebo's clients, including banks, postal operators, retail businesses, luxury outlets and cash-in-transit companies.

TEXT | Amel Loukal

**CZECH REPUBLIC.** The success of the GSL 1000 electronic lock is attributable first and foremost to the high levels of certified security that it provides, reinforced by the incorporation of biometrics and the One-Time Code feature, and further supplemented by other advanced features, such as network management.

"The One-Time Code is one of the GSL 1000's major selling points. This feature further enhances the unit's security, minimising the risks which can result from having to use permanent codes and optimising operations," says Dominique Auvray, Marketing Director for Business Unit Electronic Security.

### One-Time Code and biometric identification

The One-Time Code is used only once by a given person on one single specified lock during a pre-determined time period as part of a specified procedure.

The GSL 1000 is also available with a biometric identification option integrating a fingerprint

reader for use in very high-risk environments. The other advantage of the GSL 1000 is that it can be managed over IP. This means that certain operations can be carried out remotely, such as managing locks or modifying access rights or other settings – and all this via a powerful configuration tool.

Gunnebo always invests effort in increasing quality and delivering the highest level of security. The latest version of the GSL 1000 offers enhanced biometric functionalities and improvements to the way in which users are managed and data is transferred.

### Positive market feedback

In just a few months, several hundred GSL 1000 have been fitted onto safes, security doors and strong rooms and incorporated into banking facilities. One of the largest banks in the Czech Republic ordered more than 300 GSL 1000 electronic locks at the end of last year in order to enhance the security of its facilities.

"They chose our electronic lock for its security and remote management capabilities, but they also appreciated the high performance of our configuration tool and its user-friendly interface," says Auvray.

One particular operator in France has purchased nearly 3000 electronic locks for its reception offices. The specifications include security requirements such as time delay, exceptions and planning management.

"The flexibility of the GSL 1000 and its compliance with the security standards are what set the lock apart for them," Auvray concludes. ■





# Smart Cash Deposit Solution

The new SafeCash Retail Deposit Smart system offers smaller stores a flexible and convenient banknote deposit solution, allowing real-time monitoring of cash levels and same-day credit.

TEXT | Amel Loukal

**NETHERLANDS.** The process of counting money, reconciling and controlling the cash cycle has changed. Today's retailers are facing hard competition and need to increase their efficiency and productivity. They are therefore looking more and more for automated solutions that will enable their staff to focus on core business activities and improve service to customers.

And no matter the size of the store, reducing cash handling and improving process efficiency is a real concern for retailers. However for smaller shops, the automation of cash handling may be regarded as costly and difficult to implement.

## Perfect for smaller stores

For that category of retailers, Gunnebo has designed the SafeCash Retail Deposit Smart, a banknote deposit solution perfectly adapted to smaller stores for optimising back-office administration.

Ensuring no more time is lost in manual counting and verification, the SafeCash Retail Deposit Smart provides a simple, automated and secure way to manage banknote processing with a quick return on investment.

"For smaller stores, cash administration tasks are more time-consuming and costly than ever. Retailers want easy-to-use solutions which will simplify their daily life, provide a safer environment for their employees and customers, and improve productivity. For that purpose, the SafeCash Retail Deposit Smart is the simplest and most cost-efficient deposit system," says Frans de Wit, SafeCash Product Manager.

## Authenticates euro notes

The SafeCash Retail Deposit Smart is a scaled-down version of the proven SafeCash Retail Station solution, offering a standalone system to take control over banknote handling to facilitate

cash processes from the store to the bank.

The solution is designed for simple integration into existing areas and offers a plug-and-play system which is easy to install and has a user-friendly operating interface. Users can insert bundles of up to 50 notes at a time for processing. Notes are automatically registered, counted and deposited in a safe for quick and easy collection. The system also features a banknote recognition module that checks the authenticity of euro notes. In the event of notes being rejected, the back-up system can be used to deposit the notes via the envelope deposit slot.

Retailers are no longer burdened by cash-counting responsibilities and can spend more time on serving their customers.

## Smart deposit with same-day credit

Beyond flexibility and simplicity of implementation and use, the SafeCash Retail Deposit Smart offers same-day credit. This means that the amount recorded by the system is credited to the retailer's bank account in real-time. After the notes are deposited into the machine, a receipt is issued giving information about the total amount credited. "The same-day credit functionality is a real added value for smaller shops. It increases liquidity for retailers and avoids additional administrative tasks with their bank," adds de Wit.

Furthermore, the total amount stored in the safe can also be tracked in real-time using the web-based management software, which also provides reporting tools and options for exporting data. ■



# Easing Cash Handling Pain for Retailers

Cash handling is at a crossroads in Germany. The Bundesbank's extensive retreat from cash recycling and the paring back of its branch network have changed the cash handling scene in Germany for banks, retail and cash-in-transit companies. This shift meant that Cash Logistik Security AG, a leading process service provider in Germany, needed a high-performance and cost-effective cash handling solution for its retail clients. Gunnebo provided a solution fit for purpose.

TEXT | Amel Loukal

**GERMANY.** As a leading process service provider, Cash Logistik Security AG is a trusted name in the cash service industry, supplying and disposing of banknotes in Germany. When it needed a cash handling partner it could trust to deliver reliable and secure solutions for deposit cash, the name Gunnebo came up.

## A partnership made to measure

In the competitive retail industry, processing cash can be complex and costly. Retailers need innovative technologies and solutions to automate cash deposits, take full control of transactions, improve store operations and generate cost savings, while also ensuring a high level of security for employees and cash.

Cash Logistik Security AG is devoted to offering retailers highly successful cash handling capabilities. In order to supply its clients with automated deposit solutions to improve security and efficiency for the handling of banknotes, the company has entered into a partnership with Gunnebo and has chosen the SafeCash Retail Deposit Smart systems.

"We have chosen the experts in retail cash handling. Gunnebo's SafeCash Retail Deposit solutions can be implemented in various existing environments, and fit different sizes of stores and business models without compromising the initial investment of our clients," says Jürgen Muff of Cash Logistik Security AG.

## Streamlines retail cash handling

"Retailers need a fast and secure banknote deposit system with 'intelligent' functionalities that allow cash to be credited in real-time. The SafeCash Retail Deposit Smart offers these functionalities," says Stephan Seifert, Managing Director Sales and Service for Gunnebo Germany and Austria.

The system provides retailers with a completely autonomous banknote deposit solution for on-site installation. They can securely store their incoming banknotes at their shops until pick-up. The banknotes are automatically counted and authenticated and can be fed into the machine in bundles. The deposit amounts are credited to the retailer's bank account, in real-time.

Retailers are free from the burden of counting cash and depositing it in their bank. They also have access to accurate reports, all of which has a positive effect on their cash liquidity, the security of their stores and their business.

"Together with Cash Logistik Security AG, we make the cash process safer and more efficient. With our collaboration, we take the responsibility for cash off the employees' shoulders and ease cash handling all the way to validation," adds Seifert.

Hundreds of SafeCash Retail Deposit Smart systems were supplied to different retail clients and offering security, traceability and visibility, as well as securing cash stock levels. ■



The system provides retailers with a completely autonomous banknote deposit solution.

## SafeCash Retail Deposit Smart

- Cost-efficient solution to get started with cash automation
- Improved cash management
- Less back-office administration
- Easy integration into existing workplaces
- Real-time monitoring of cash levels
- Same-day credit
- Complete transaction transparency – no cash discrepancies



© Cash Logistik AG

© Cash Logistik AG



# Global Service Which Knows No Bounds

Anna Almlöf is enthusiastic and motivating. And Gunnebo's SVP Global Services knows exactly where she wants to direct her energies. "We want to be our customers' preferred supplier for security," says Anna.

**A**nna has been based in Barcelona since the summer of 2011 where she has built up Gunnebo's Global Services Business Area. Starting work at the security company and moving to Spain was not a difficult decision.

"Gunnebo has a unique opportunity to create something brand new in the security services area. The vision is to offer solutions that work globally for all of the customers' operations," Almlöf explains.

In her previous job with Ericsson she devoted tremendous energy to developing the telecom giant's global service strategy and after-sales offering. It provided valuable experience for her current job.

"I have a good feel for what needs to be done, how it should be done and what produces results," she says.

Experience from working on major projects abroad, as well as fluent English and Spanish, also make the job easier. Especially when the management team consists of people from several different countries and industries.

"I've created the Global Services team in this way because we must understand the needs of all markets, and we have a good dynamic in our collaboration," she says.

#### Respected as a leader

Anna is a strategic, structured and visionary leader. And she has the ability to put into concrete terms what has to be done to reach future goals, by breaking them down into plans and activities that can be followed up.

At the companies where she has worked, Anna has often been one of few women in a top-level position, but this has not posed the slightest problem in her career.



**A lot of people say I have a tremendous amount of energy. When I finished at Ericsson my colleagues said they'd miss it.**

"I've been in this environment for so long that it feels normal. There are fewer women in leading positions internationally than at home in Sweden, but we are respected. If you have a leadership role and can show you're producing results, you have a mandate. It's that simple really."

#### Desire to understand customers

Right now she is striving to produce something extra, something that will make Gunnebo's Global Services stand out from the competition.

"A journey of this kind demands a lot of us all. I'm extremely motivated to change so that we progressively improve and succeed."

This requires work on the product portfolio, service sales and the delivery function. And ongoing receptiveness to the needs of customers by having knowledge of their day-to-day operations, end products and services. The ultimate goal is for Gunnebo's security services to give customers crucial benefits to bolster their results.

"We are looking to help our customers by thinking about security in new and innovative ways. One example is remote surveillance of security processes, which enables us to identify faults even before the customer discover them," Almlöf says.

Her organisation will build up knowledge about customer systems in order to create working security solutions over time and across national borders.

"Naturally major global companies want to avoid using local suppliers with different security systems. They want the same solution regardless of geography. And that's why Gunnebo Global Services is the ideal choice of partner," Almlöf concludes.

#### Anna Almlöf

**Age:** 44.

**Family:** Husband, two daughters aged 10 and 8.

**Lives:** Vallvidrera, Barcelona.

**At Gunnebo:** Since April 1, 2011.

**Post:** Senior Vice President Global Services. The Business Area accounts for 22% of the Group's turnover.

**Background:** Economics degree from Stockholm School of Economics and Executive MBA from Instituto de Empresa, Madrid.

Professional background as Director of Product Management at Ericsson Global Services and other leading positions in sales and service at Ericsson and Unisys, both in Sweden and internationally.

**Favourite food:** No particular favourite, depends on the mood and place.

**Likes to drink:** Spanish wine from Ribera del Duero.

**Interests:** Cooking, skiing, sailing.

#### Business Area Global Services

With years of experience delivering security solutions, we know how to create value for you and your business. Therefore, we have made Services an integrated part of our business. At every stage of our relationship with you – from the first meeting through to delivery, installation and after-sales support – we will act as your security partner, listening to and addressing your security needs.

Business Area Global Services, with its security experts, skilled technicians and professional support staff, is always on hand to give you the assistance you need, when you need it. The result is a lasting partnership, built on business knowledge, customer focus and added value.



# The Future of Border Control

Units for Radio Frequency Identification, electronic document readers and ten biometric finger readers are all integrated in the pedestrian gates for immigration on the border between the USA and Mexico. Gunnebo's high-tech solution is designed for the future.

TEXT | Emma Sheldon

**USA.** As part of the US Customs & Border Protection (CBP) Land Border Integration (LBI) contract awarded to Unisys in 2010, Gunnebo was selected to provide a customised gate platform as part of the pedestrian re-engineering solution. Gunnebo's proven experience and expertise in providing immigration solutions best fit Unisys' vision and provided Gunnebo with a significant advantage.

Gunnebo worked closely with Unisys on a design to meet their performance specifications and peripheral integration requirements. On a peak day up to 22,000 people walk across the Paso Del Norte Bridge.

## Pedestrians validate their own credentials

The final design was deployed into live trial in November 2011 at the Paso Del Norte Border Crossing Facility in El Paso, Texas. It incorporated a SpeedStile NEP ADA compliant gate coupled to a custom kiosk platform, also designed and manufactured by Gunnebo. The kiosk portions of the system permit the pedestrians to validate their own credentials allowing passage through the SpeedStile gate.

The implementation of the gate systems is expected to streamline pedestrian processing by leveraging the capture of Western Hemisphere Initiative (WHTI) compliant travel documents using Radio Frequency Identification (RFID) and electronic document readers integrated into the gate systems.

The gate system also integrated ten biometric finger readers so that future implementation of biometrics into the process will be available.

"At these new RFID-enabled pedestrian gates, a border crosser automatically gains access and pre-loads information using the RFID technology before encountering a CBP officer," explained US CBP Deputy Commissioner David Aguilar, during a press conference in El Paso. "The system automatically reads the card and alerts the CBP officer to any issue before the pedestrian arrives at the primary inspection booth. We are assessing the time savings and other benefits of this pilot project, but early indications are positive."

## Early identification possible

An additional benefit of the new system includes the CBP officers' ability to know who is in the queue prior to their approach to the officer's podium. In the event that a known suspect is identified through the early gate query, the CBP officers are able to proactively plan for an orderly apprehension.

If the efficiencies that are anticipated in this pilot project are realised, there would be interest in adding more lanes to the El Norte Facility, as well as extra pedestrian land crossings on the USA's southern borders. ■



On a peak day up to 22,000 people walk across the Paso Del Norte Bridge.



Trial launch at the Paso Del Norte Border Crossing Facility, El Paso, Texas. From left: Jonnie Masson, Senior Program Manager (Unisys), Erick Staniak, Business Development (Gunnebo), Jeff Stephens, Solution Architect (Unisys).



Gunnebo worked closely with Unisys on a design to meet their performance specifications and peripheral integration requirements.



Two separate parallel tunnels, one for trains going north and the other for trains going south. In case of an emergency, passengers evacuate by crossing emergency galleries that connect one tunnel to the other horizontally every 250 metres.

## Safe Escape Route for High-Speed Tunnels

By 2020 Spain will have connected almost all its provincial capitals to Madrid and Barcelona by high-speed rail. One section with a very long tunnel needed emergency doors able to resist fire for 120 minutes, and to resist blast impacts caused by high-speed trains. Gunnebo TunTek S doors were the solution.

TEXT | Manuel Latorre Marin

**SPAIN.** The Administrator of Railway Infrastructures (Adif) is a state-owned company that answers to the Ministerio de Fomento. In December 2002 Adif assigned the corridor Ourense-Santiago-Coruña, part of the High Speed Line Madrid-Galicia. The connection has a total length of 87km. Thirty tunnels (28.9km long) and 38 viaducts (19.6km) were built because of the difficult environment and obstacles. They represent 59 per cent of the corridor.

The longest stretch below ground is the Burata Tunnel – 4.068 metres – located between the municipalities of Ourense and Amoeiro, which is designed for high-speed trains reaching speeds of 350 kilometres per hour. Of course this section needs safe evacuation if an accident should occur – the whole line incorporates the best technology for security and safety.

### Resistance to overpressure

Adif wanted an emergency door able to resist fire temperatures for a duration of 120 minutes, and to resist the blast impact of the high-speed trains over the door leaves.

The solution was Gunnebo TunTek S doors, specially designed to protect access to the service and evacuation routes from the stringent fire and over-

pressure conditions in subway, road, rail and high-speed rail tunnels.

TunTek S doors are certified for two-hours' fire resistance and accredited to 500,000 cycles for their resistance to either 2kPa or 10kPa overpressure waves caused by the traffic in the tunnel.

### Doors to fit any tunnel

Fitted with panic push bars, the TunTek S double-leaf doors enable safe evacuation procedures. The doors can also be fitted to any type of tunnel shape and diameter by the use of a unique surrounding structure kit.

The result consists of two separate parallel tunnels, one for trains going north and the other for trains going south. In case of an emergency, passengers evacuate by crossing emergency galleries that connect one tunnel to the other horizontally every 250 metres. Gunnebo has installed 16 TunTek doors on both sides of the horizontal galleries. This allows access for both vehicle maintenance and emergency procedures.

In a joint venture, Alstom (France) and Indra (Spain) were in charge of the installations and the security project within the tunnel. ■

### TunTek S10-S

- Type: Fire & Overpressure Resistant Doors
- Fire Rating: EI2 – 120 minutes to EN 1634-1 EI2
- Pressure Resistance: 500,000 cycles at 10kPa pressure waves
- Leaf option: Double
- Standard width: 2150mm
- Standard height: 2,250mm
- Testing laboratory: Applus

### Alta Velocidad Española (AVE)

- A service of high-speed railway (HSR) in Spain operated by Renfe, the Spanish national railway company, at speeds of up to 310 km/h. The name is also a play on the word 'ave', meaning 'bird'.
- Main stations are Madrid Atocha, Barcelona Sants and Sevilla Santa Justa.
- Other stations are Madrid Chamartín, Zaragoza Delicias, Valencia Joaquín Sorolla, Málaga María Zambrano and Valladolid Campo Grande.



The AENA offices will host the Air Navigation Bureau. The public parts of the building have been designed by Estudio Lamela and the architect Gabriel Allende.

# The Sky is the Limit

The AENA Group is the world's leading airport operator in terms of passenger numbers, handling nearly 200 million people annually. Their new headquarters in Madrid is a state-of-the-art building.

TEXT | Manuel Latorre Marin

**SPAIN.** The AENA Group is a group of companies devoted to airport management and the provision of air navigation services. It is the fourth largest provider of air navigation services in Europe and plays a leading, active role in all European Union projects related to the introduction of the Single European Sky.

Through AENA Aeropuertos S.A., the AENA Group manages 47 airports and two heliports in Spain and participates directly and indirectly in the management of a further 28 airports around the world. It is the world's leading airport operator in terms of passenger numbers, handling nearly 200 million people a year.

## SpeedStiles in main entrances

Early in 2011, AENA signed the lease on a new facility at the Pegasus City business complex in Madrid. The offices, 15,000m<sup>2</sup> in area, will host the Air Navigation Bureau, which is moving from its current offices to this brand new, state-of-the-art building. The two buildings that occupy the public part of the premises have been designed by Estudio Lamela and the architect Gabriel Allende.

Gunnebo has supplied and installed five SpeedStile FL cabinets, five GlasStile S entrance gates and four SpeedStile FP to be situated in the main entrances and emergency exits of both buildings.

The owners of Pegasus City have said that this area of the new building will become the main business centre of the city of Madrid. It will consist of wide streets and green areas that will create a unique, modern and architecturally pleasing landscape. ■



Gunnebo has supplied and installed gates to be situated in the main entrances and emergency exits of both buildings.



## The City of Zürich Secures its Offices

To protect City of Zürich employees against duress, secure entrance control solutions have been installed.

**SWITZERLAND.** For any company or office premises it is crucial to prevent access by unauthorised individuals.

"Before the offices of the City of Zürich installed the entrance control solution provided by Gunnebo, the employees had been placed under duress several times. And many important documents were far too easily accessible," says Thomas Maag, in charge of media relations at the City of Zürich.

After exploring different proposals for security installations, the City of Zürich security consultants decided that Gunnebo's solution responded best to their needs.

## A solution adapted to each area

"The solution is a complex set of products which manages access for about 1000 people a day, secures access to sensitive information and has customised security for each different area of the building. It includes six bullet-resistant doors, four motorised AutoSec security revolving doors and a booth with an emergency exit," says Andreas Schick, Account Manager at Gunnebo Switzerland.

It was important for the client to have a solution which was flexible and reliable, but also attractively designed.

"We are very satisfied with the quality and the high level of security provided by Gunnebo's installation. Today our employees feel secure in our premises," says Daniel Medina, Project Manager at the City of Zürich. ■



# Energy-Saving Building Best in Show

At the end of last year, Cloud 9's office building for the experimental 22@ district won the top prize at the World Architecture Festival 2011. This project has been commissioned by The Consortium of the Zona Franca (CZFB) and 22@ of Barcelona.



**SPAIN.** Three lines of SpeedStiles are located in the main entrance of the building. They were chosen because Gunnebo had done a vast amount of groundwork with the engineering company that designed the project, based on knowledge that the installed model was the most suitable version for that type of entrance. The customer purchased the Gunnebo product since these were the ones specified on the architectural project.

**Designed to minimise energy use**  
The building volume forms an almost 38 metre high cuboid with

sides of 44 metres. The Media-ICT is 16,000m<sup>2</sup> above ground with two underground floors – each of 7100m<sup>2</sup> – with the capacity for 200 parking spaces.

The building is divided so that the upper floors, from fourth to eighth, are rented for big companies. The second and third floors have small spaces for emerging companies, and the first floor, with the Cibernarium and an auditorium, offers classes open to all the city's residents. The lobby of the building can host exhibitions, workshops and events.

Unlike most buildings, which consume huge amounts of energy, the Media-ICT is designed to be a generator and optimise energy use. Thanks to the energy-conscious design of the building, demand for heating and cooling is adjusted as required, minimising CO<sup>2</sup> emissions by 95%. ■

## Protection from Static Electricity

Factories for computers and other electronics, plus most of the components supplied to vehicle factories, need to be protected against static electricity discharges. Fujitsu has implemented specific safety measures at its production facility in Augsburg, Germany.

**GERMANY.** "Our solution eliminates the problem right at the entrance gate," says Albert Schürstedt, Head of Building and Infrastructure at Gunnebo Germany.

Static electricity discharges can ruin sensitive electronics such as computers and printed circuit boards (PCBs). Simply by walking across a floor a person can be charged up to several thousand volts and if the voltage is high enough a discharge will occur. If that person then touches someone else, the result is an unpleasant electric shock. In fact even when no shock is evident, discharges are constantly happening as people touch different objects.

To deal with this phenomenon in industrial environments, there are Electrostatic Protected Areas, or EPAs. In practice this means that people entering Fujitsu's production facility have to be tested to make sure they are wearing shoes with the correct electric resistance rate to avoid static electricity.

"Gunnebo's creative solution for this procedure is to combine the entrance gates with units that

gauge the electric resistance of each shoe," says Schürstedt.

These ESD (Electrostatic Discharge) units are integrated with Gunnebo's gates and connected via a relay. With this solution the compliance with the new ESD-Norm IEC 61340-5-1 Edition 1.0 (2008-07) for single shoe evaluation can be guaranteed.

Fujitsu was convinced by the idea and has so far installed 20 Tripods and seven GlasStiles, along with emergency exits.

When someone passes through a gate, they stand on a plate with two foot symbols wearing their ESD-rated work shoes. The ESD system takes a reading, and if there is no risk of a discharge a relay opens the gate. If there is a risk, it stays closed and the person has to change into other safety footwear.

The ESD units are calibrated once a year. If one goes wrong it can simply be replaced.

The gates are mounted on a platform and cabling is pluggable – a forklift truck can easily and quickly move all the equipment. This is a

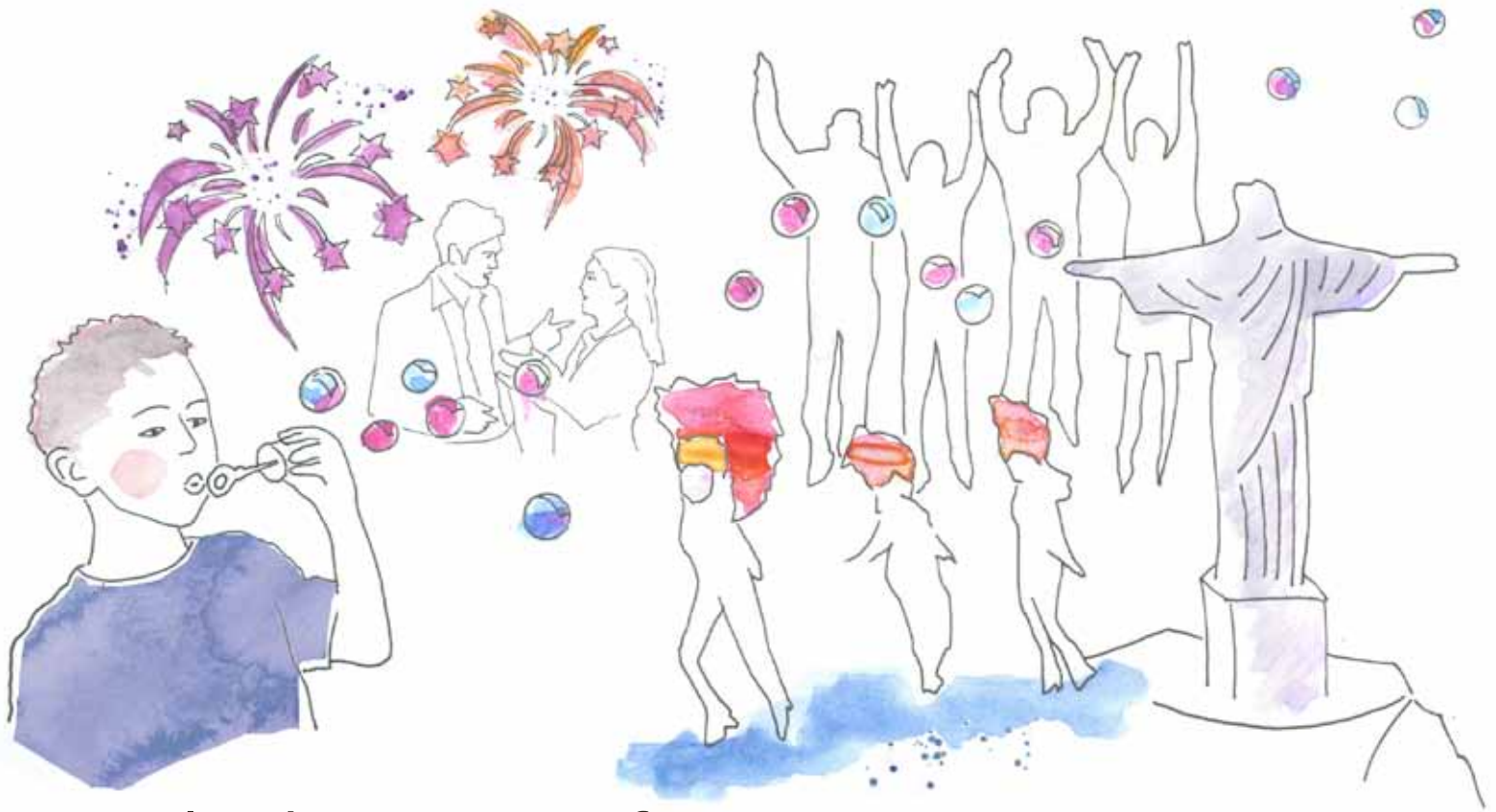
special feature that means flexibility for reorganising the production area when necessary.

For employees who are already inside the plant, there is also another solution to make life easier.

"Our GlasStile 5 is combined with RFID technology. When using internal transport, such as electric vehicles, it can be awkward to open the gate. But here the RFID antenna reads the operator's transmitter and the gate opens automatically," Schürstedt explains.

In future Fujitsu plans to use the RFID solution for automatic transport trains. ■





## Brazil – the Country of Opportunities

With the largest economy in Latin America and as a member of the group known as the BRIC nations, Brazil is a strategic growth market for Gunnebo. At the beginning of this year, the Group's security solutions started being offered to retailers and banks throughout the country, as well as to office buildings and shopping centres.

TEXT | Helder Horikawa, Versátil Comunicação

**BRAZIL.** Since the Brazilian economy is currently the sixth largest in the world, good results are expected. The Brazilian retail sector is in the limelight for international investors and the nation has recorded an increasing number of foreign tourists.

Among all the Group's sales companies, Gunnebo Brazil today records the fastest growing turnover on solutions for loss prevention. Gunnebo solutions under the Gateway brand have become a benchmark in Brazil with their anti-theft antennas, rigid and adhesive labels, electronic locks and cord protection, in addition to CCTV systems and alarm intrusion. In the past two years, about 400 new customers have been won per year. Moreover, 11 products were launched during the same period.

With growth of 26 per cent last year, the company recently opened new headquarters in Cotia, in the São Paulo area. Customers are large retailers such as the French companies, Leroy Merlin and FNAC, and the US organisations, Walmart and C&A, but also include Brazil-

ian retailers like Riachuelo, Marisa and Droga Raia, which last year merged with Drogasil and became one of the largest national players in pharmaceutical retail.

According to US consultancy AT Kearney, malls, supermarkets, clothing, food and franchises are the main areas for foreign investment.

### World Cup and the Olympics

Gunnebo has reason to believe that the increase in business in Brazil goes far beyond the solutions for retail. After all, according to the Security Industry Association (SIA), with the World Cup in 2014 and the Olympics in 2016, the market for electronic security could grow by 17.36 per cent per year up to the end of 2016. The federal government has approved huge investments in mobility.

"Bank security is a business with extraordinary potential for growth in the country. There are great opportunities for business in safes, ATMs and solutions like SafeStore Auto," says Rubens Bulgarelli, Country Manager. ■



## Extension Will Double Storage Capacity

**UK.** UDG is a joint venture owned by Alloga and United Drug which warehouses and distributes pharmaceuticals and over-the-counter medicines in the UK. In 2011 Gunnebo designed and installed one of the largest strongrooms in Europe for the company. The base of this enormous bolted strongroom was an existing Gunnebo Cennox room, originally installed in 2001, which was extended using Centurion panels and doors.

Gunnebo has now received a new order to enlarge the strongroom further still and double its capacity for the pallet storage of

controlled drugs. The room will be extended using Chubb safes Grade VI Centurion vault panels. The project will also include relocating one of the existing doors.

The order is worth over €1 million. The first deliveries began in June and are continuing in July and August 2012.

“Gunnebo’s strength here is the close relationship with this client and the ability to provide solutions to challenges which face the client to keep pace with their success in the pharmaceutical wholesale market place,” says Tom Rochford, Gunnebo UK.



## Order Won for Nuclear Power Plants

**CHINA.** Gunnebo has won an order for turnstile solutions from Yangjiang Nuclear Power Plant located in Guangdong Province, Hong Kong.

The Yangjiang Nuclear Power Plant is currently under construction and when it is up and running in 2013 it will have the largest capacity of all nuclear power plants in China.

In terms of the turnstiles market for nuclear power plants in China, Gunnebo holds a very strong position, owning more than 90% market share.

“This is the second order from nuclear power plants after what happened in Fukushima last year, and can be regarded as a signal of recovery for the industry. China is building up an ambitious plan to build more nuclear power plants in order to fulfill the energy requirements from a high-growth economy. I truly believe that we will keep the strong position that we have today and will continue to benefit from it,” says Davis Zhang, Sales Manager, Gunnebo China.

## SafePay on Gunnebo’s Strategic Agenda for 2012

**SWEDEN.** In November, the Gunnebo Security Group announced its agenda of priorities in the run-up to 2012. The agenda has now been extended to include a further item: to continue market initiatives for SafePay™, the integrated, completely closed cash handling system.

“Gunnebo has a strong balance sheet and an equity ratio of 45

per cent. We are therefore well placed to invest in future growth opportunities – and one of those is SafePay,” says Gunnebo President and CEO, Per Borgvall.

“Gunnebo has made substantial investments in SafePay since the system was launched in November 2002. Interest in the solution has increased year on year, and today we work with

several major retail chains in both northern and southern Europe. In order to sharpen our focus, and to highlight that we remain committed to the system, we have decided to extend our list of priorities for 2012 with market initiatives for SafePay.”

“The system did experience a fair amount of teething problems, but it now runs stably, which is

well documented. In 2011 there was an overhaul of SafePay’s industrial platform. This means we have not only increased the number of quality assurance stages in production, but can now also scale up production swiftly to meet higher demand.”

# A Greener World on the Agenda

Gunnebo works for a greener world and has clear goals and targets. The key to success is to do the right things, at the right time, with the right people in the right place.

TEXT | Linda Gårdlöv

“Environmental management must not be expensive and is a good investment for our children and the future,” says Horst Radigk, in charge of quality, environment and safety management at Gunnebo’s plant in Trier.

## Reducing environmental impact

Regular, goal-oriented work is under way at production units to reduce the Group’s negative impact on the environment. Collaboration between the units’ environmental managers fosters an exchange of experiences and transfer of knowledge. Below are some examples of the measures Gunnebo took to reduce its impact on the environment in 2011.

- Gunnebo’s plant in Doetinchem, Netherlands, now only uses renewable electricity. It has also streamlined its returns system for freight transport, thereby reducing consumption of packaging materials by 75%.
- Through an agreement with its energy supplier, the plant in Trier, Germany, uses electricity from energy sources that have half the German average for carbon dioxide emissions.
- At the Markersdorf plant in Germany, heat recovery has been improved in the production premises and the percentage of water-based paint has been increased.
- New lighting with half the energy consumption has been installed in the production premises at the factory in Baldenheim, France.
- At the plant in Bazancourt, France, employees have been working on a project over the past year to recycle used washing water in cement.
- The facility in Lavis, Italy, has invested in an efficient new compressor with 25% lower energy consumption.

You can read more about Gunnebo’s environmental goals and targets on [www.gunnebogroup.com](http://www.gunnebogroup.com).