

# *perimeter*

SECURITY PRODUCT NEWS

## Security and Aesthetics



### **BOLLARDS**

"Old Stalwart", Shallow Mount Bollard Footings, Security and Aesthetics



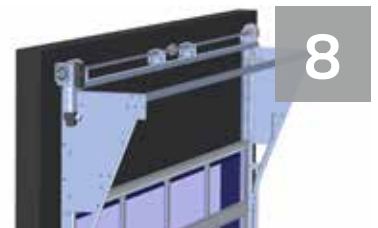
### **BICYCLE PARKING**

Bike Cage for Bus Interchange, Bike Cage for Railway Station, "600" Bike Project, Securabike Export News



### **GATES**

High Security Export, Ku-ring-Gai Council, SA Womens Prison, Rail Crossing Safety Gates, Country Fire Authority, Dexus, NSW Power Station, Pinnacle Food Group, Secure Access Control, Wellcamp Toowoomba Airport, Solar Powered Turnstie Access Control Entry



### **DOCKS AND DOORS**

Leda Cube, Leda Sprint

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Understanding Investment in Physical Security

## Leda Wins Best New Product for



## Advertising Boom Gate



### **SA Womens Prison**



### **Bike Cage for Bus Interchange**

# BOLLARDS



## "OLD STALWART"

We often forget how one single product has been in the success of a company and Leda is no exception.

The "Sentinel" (SP90R) a patented locking and removable bollard has been an important part of Leda's 20 year history.

Not only was it our FIRST product it has been the most successful with over 250,000 of these bollards manufactured and installed in Australia.

Initially designed for closing driveways and providing protection on industrial roller shutter doors. The "Sentinel" bollard provides ram raid security to countless sites across the country.



INSTALLATION SHOWING 110MM THICK FOOTING

## SHALLOW MOUNT BOLLARD FOOTINGS

For several years Leda has pioneered the installation of shallow mount bollard footings.

In this highly sensitive application Leda's NSW installation team were required to install PAS68 certified bollards in an old and established park in Sydney's CBD.

The park contains many century old established trees and it was extremely important that no tree roots be damaged during the installation.

We elected to install ATG SP1000 bollards whose sandwich designed footing is only 110mm thick which minimised the excavation depth. During the hand excavation an arborist was on site just in case.

No tree roots were encountered and the 3 fixed and one locking and removable bollard were successfully installed to provide the security the location required.



COMPLETED INSTALLATION WITH STAINLESS SLEEVES FITTED

# BOLLARDS

## SECURITY AND AESTHETICS

"I was pleasantly surprised when I attended a meeting at Broad Constructions and Leightons Western Australia headquarters to find the attractive buildings front facade protected by Leda's "Slimline (SSP150FB) stainless steel bollards" said David Matthews Leda's Managing Director

Despite being installed several years ago the stainless steel bollards still looked in mint condition.



## BIKE PARKING

### BIKE CAGE FOR BUS INTERCHANGE

A recent upgrade of the Queanbeyan Bus interchange involved Leda designing, manufacturing and installing a galvanised steel bike cage and bike parking.

The facade is clad with modular anti-climb mesh panels and caters for 28 cyclists internally using our Securabike (CBR2GS) dual height racks. Additional casual bike parking is available externally for 8 cyclists in our CBR4B delta bike racks. Securabike dual height racks were selected to best utilise the internal space available inside the cage. Cyclists wishing to use the cage on a regular basis can gain access by obtaining a key from Queanbeyan Council.

Leda contracted with the builder Dale and Hitchcock for the end client Queanbeyan City Council.



### BIKE CAGE FOR RAILWAY STATION

It's been quite a busy time for Leda's NSW installation team having recently successfully completing a number of bike cages across NSW.

This cage was built and installed at Ingleburn railway station for the builder "Arenco" (the end client "Transport NSW") and was tailored to meet the site. It caters for 28 cyclists bikes using our CBR4SCG galvanised bike racks.

Transport NSW is planning to install a number of bike cages across the Sydney metropolitan network in the next 2 years.



### "600" BIKE PARKING PROJECT

Leda's Queensland office has recently been awarded a large contract to supply bicycle parking for 600 cyclists at 480 Queens Street Brisbane.

Securabike CBR2GS dual height racks will assist in providing space efficiency for the project. The Securabike racks were selected over alternative European products as they cater for the wider wheels preferred by Australian cyclists while also catering for the front wheel disc brakes that are now becoming more common in modern bikes.

# BIKE RACKS

## SECURABIKE EXPORT NEWS

### USA "SQUARE BIKE RAIL"

Leda's US distributor of Securabike bike parking recently requested that we develop a square version of our popular BR11 hitching rails. Most hitching rails use galvanised or stainless steel pipe while the square SHS profile are much more resistant to pipe cutters.

While this model is not currently available in Australia we will make it an option should we start attract interest and demand.

### UK.

Our Securabike UK distributor has sent details and pictures of a bike parking project they have recently installed in Bristol England for DNV.GL Energy a global energy consulting business. Securabike were selected to design and install a bike parking system to cater for 100 cycling staff.

The Securabike BRV26 semi vertical racks in hot dipped galvanised finish provide corrosive resistance for this coastal location.



**BRV26**

### Canada - BIKE CORRALS.

Our Ningbo office together with our Canadian distributor have won a tender to design and supply a "bike corral" for Toronto City which is being adopted and rolled out across the city.



# GATES

## "HIGH SECURITY EXPORT"

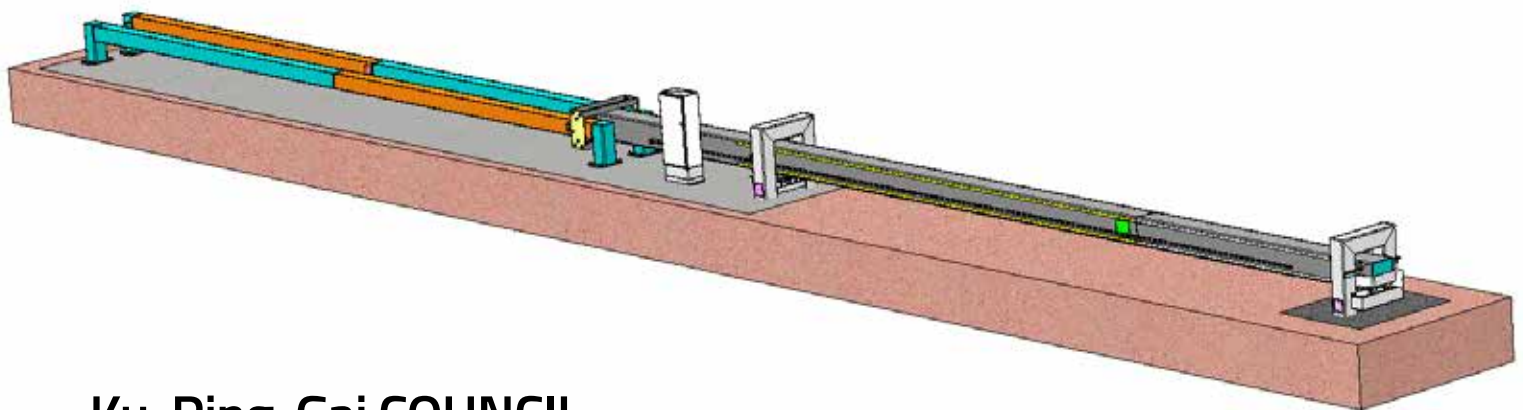
Leda's Tuggerah based engineering team successfully won a tender to design and manufacture two high security barriers for a highly sensitive site in Myanmar.

Competing against an international group of competitors Leda was able to demonstrate we had the expertise and experience to engineer our sliding boom gate technology to the high impact rates required.

What complicated things further were the long 11.0mt clear opening span required on both gates. The actual boom arms were manufactured using 400x400 SHS steel sections to avoid any sag in the cantilever design.

After manufacturing the gates were hot dipped galvanised and then erected so they could be thoroughly tested before being packed in 40ft containers and shipped to their destination.

This is one of two major high security projects our plant has recently exported and highlights the high regard in which Leda's physical security and vehicle access control products are held.



## Ku-Ring-Gai COUNCIL

In 2012 LEDA manufactured and installed a 13m track sliding gate for the Ku-Ring-Gai council depot.

In March 2015 LEDA Security was called out to replace the gate as the gate had been collected by a truck and bent back at a severe angle

This gate is quite unique due to the fact it has an inbuilt pedestrian gate. The site had some design restrictions which prevented an easy point of access for staff. LEDA provided a design which incorporated a pedestrian gate to allow safe access to the property



# SA WOMENS PRISON

Leda's SA team recently partnered with McMahon Services and Spotless to manufacture and replace the two sally port security gates at the Adelaide Women's Prison in Northfield South Australia.

The existing gates were very old, extremely heavy providing a number of challenges that needed to be overcome when dismantling them. The existing footings needed to be excavated and were twice as deep as expected. Each group of footings took almost a fortnight to dig out and replace. These works also had restricted times as the noise from jack hammering would interfere with certain prison duties. The scope was to dismantle and decommission one gate, and replace it with the new one and only then when it is fully running could we then start on the second.

Besides the tight time frame that needed to be followed was the day to day issues of working in a operational prison and maintaining the protocols imposed requiring the project to be completed in stages. The sheer dimensions of the replacement gates created their own challenges particularly transportation. The very large gates once installed were then fitted with extremely difficult and dangerous to work with razor wire.

## GATES



## RAIL CROSSING SAFETY GATES

Leda NSW were recently contracted by Coastwide Engineering to install 4 half height cantilever gates at Metropolitan Coal's Helensburg mine.

The gate lengths were 6m, 7.5m, 11m & 12m. The two larger gates were manufactured in two pieces and joined once on site.

The highly safety conscious site required the gates be installed so that access to both crossings could be closed and locked during train movements.



# GATES

## COUNTRY FIRE AUTHORITY

The Country Fire Authority (CFA) District 24 Headquarters in Wodonga has been through a major redevelopment.

District 24 were instrumental in the containment of the 2009 bush fires that ravaged the area. has recently undergone further improvements to their structure.

In the event of major emergency incident the site has the ability to be adapted to a main control centre and for helicopters to land and take off next door to the control centre

Q1 Constructions were engaged to build the new building and surrounding works. Leda Security partnered with Q1 on this high profile site and installed a large security gate and other equipment at the car park. The automation will be controlled by the CFA's integration equipment and the requirement for speed and reliability were a major focus for this project

Leda is in the process of installing similar automation at the CFA's new Echuca depot.



## DEXUS

Recently Leda completed a Large Bi-Slide Automatic gate.

Total of 15.6M wide gate. The gate is the main entrance point to the large warehousing distribution center built for the DEXUS group. Located in Richlands, Brisbane the gate is used in a very industrial environment.

Leda customised the gate to fit in with the tight space requirements and installed it to meet the crucial and tight lead time required..

By all accounts the client was extremely happy with the finished installation. As with all Leda automated products we will be recommending regular servicing and maintenance to ensure its reliability and long service life.



## NSW POWER STATION

LEDA Security teamed with T&C Services as part of the Origin Energy Kangaroo Valley pumping/power generation station upgrade to provide a 6m cantilever gate and staff pedestrian turnstile.

The customer required another level of security to stop unauthorised entry into the rear of their property. LEDA provided 2 x dual height card readers so that only authorised Origin Energy personnel with the appropriate access card may enter and exit this part of the facility.

# GATES

## PINNACLE FOOD GROUP

Pinnacle Food Group is one of Australia's largest suppliers of bakery ingredients and frozen specialty products, with 3,500 customers.

It supplies major supermarkets Coles and Woolworths, as well as food service and bakery retailers. The business has been manufacturing and distributing its products in Australia for more than 25 years and their busy manufacturing plant in Altona required their perimeter security to be upgraded

Leda Security were engaged to design and install two large monitored cantilever gate systems and pedestrian access. These gates are also fitted with an access control system that verifies individual personnel access prior to entering the site.

To augment the gate automation Leda manufactured and installed matching Premier fencing which stretches across the entire front boundary of the property adding a pleasing aesthetic effect but also significantly adding to the site security

The installation was quite challenging due to the reconfiguration of the existing working driveway, complete with adjusting footings and product to work around the many existing services near by.

We worked closely under the guidance of Wayne Dickinson and Pinnacles senior management and thank them for their assistance and patience in helping us deliver this successful and at times challenging project.



# ACCESS CONTROL

## SECURE ACCESS CONTROL

Leda's Victorian office partnered with "Security and Technology's" SA office to win a contract to supply pedestrian access control for the entry and exit points at a very important manufacturing facility in Adelaide.

Using 10 & 20 foot shipping containers Leda's Tuggerah plant extensively modified them and fitted them out with full height turnstiles. The containers were reinforced once the access points had been cut in. Lighting was added to allow the turnstiles to be used to provide 24/7 access that the site requires.

In this application the containers provide both the security the site requires as well as weather protection for those entering and exiting. They will be used as a semi permanent installation with the intention of relocating them at a later date.



## WELLCAMP TOOWOOMBA AIRPORT

Australia's newest commercial airport "The Wellcamp Toowoomba Airport" has installed Leda full height TFB1120 turnstiles to limit pedestrian access to restricted areas of the airport.

The TFB1120 Turnstile is supplied in a knockdown kit form making it easier and more economical to freight.



# ACCESS CONTROL



## SOLAR POWERED TURNSTILE ACCESS CONTROL ENTRY

Leda's WA have recently completed a construction site turnstile entry point for a Western Australian refinery in Kwinana.

Due to the proximity of the entry point and the amount of trenching for both power and comms, Leda had a number of challenges to design a solution that was in the allocated budget.

The product Leda designed was a independent off grid solar powered power bank and wireless mesh communications access system over 1.5km from the site office.

The system is completely independent of 240v & communication infrastructure and will provide site audit control for up to 300 construction workers.

The solar battery system is rated up to 500 operations per day and 1500 operations autonomy (No sun or charge)

Complete with ID printer and computer software, once the worker had completed the site induction requirements, their photo was taken and printed to the back of the access card, enabling access to the turnstile.

The customer on this occasion had a slim budget and Leda provide this complete solution, supplied, installed, commissioned and staff training for under \$30,000.00

Leda can adapt this technology to all access control devices, such as gates, boom gates and retractable bollards.



# DOCKS AND DOORS

## Leda CUBE

Standard panel lift door systems have the problem of encroaching on space inside the building. The CUBE overcomes this problem by stacking each panel on top of each other when in the open position to minimise the space required. The end position of the door panels is internal and above the door opening giving you full height doorway access. The CUBE is driven by the Leda Proline range of industrial quality motors, PE protection beams, transmitter/receiver control and interlocked security bolts can be added.

A full range of standard RAL colours are available with special finished available on request, infills can be glazed (Protec), ALU-mesh or solid. The new Protec glazing was designed to eliminate the dangers posed by glass, Protec approaches the characteristics and surface properties of real glass giving you a self-cleaning and scratch proof surface with the benefices associated with plastic. The light weight means Leda CUBE doors come double glazed for energy and sound reductions..



## Leda SPRINT

The Leda SPRINT is a rapid-rise and roller door rolled into one unit, the opening speed of the sprint is up to 5 times the speed of a standard electrically operated overhead door. To achieve these speeds the design of the sprint has been improved to ensure reliable and consistent operation. The panel section heights are 370mm ensuring the Sprint negotiates the guide bend with little resistance. A Frequency Controlled Motor allows opening speeds of up to 1000mm/sec, while ensuring smooth stopping.

The Sprint comes as standard with a electric light curtain across the opening for safety. Operation can be remote control, induction loops, passive radar or push button.

The S40 panel is available with Protec Glazed windows, ALU-mesh ventilated windows or as a solid 40mm Insulated Cold Storage panel.

Applications which require rapid rise door solutions and the security needs of an external door have been satisfied in the one unit with the Sprint, double glazing for energy savings and the benefices of Protec Glazing add a good looking door solutions for architects



# TECHNICAL INFORMATION



## LEDA WINS BEST NEW PRODUCT AWARD

It is always very gratifying to win an industry award particularly with the launch of a new product. At this years "Security 2015" Leda's advertising boom gate won 3rd prize in the best new security product. The award was accepted by Leda's Managing Director.

## PREVENTATIVE MAINTENANCE CONTRACTS



Ensuring that our automated equipment provides reliability can best be achieved through regular servicing which is why we urge our clients to select an appropriate option from the selection we provide.

Many of the high sensitivity sites we service require 24/7 contracts and having this ability means that we are asked to service other equipment even if we have not installed it initially.

Leda is pleased to partner with Chubb Security to maintain and service all of the automation equipment for defense bases in South Australia and the Northern Territory.

The maintenance program is extensive and will require us to regularly visit every site in both states to carry out servicing, preventative maintenance and provide feed back via detailed audits to the location, performance and status of each piece of automated equipment such as boom gates, automated bollards, tyre shredders and associated security equipment.



# TECHNICAL INFORMATION

## UNDERSTANDING INVESTMENT IN EFFECTIVE PHYSICAL SECURITY

This article is courtesy of Lucy Foster of ATG Access Limited in the UK.

This article is courtesy of Lucy Foster of ATG access limited in the UK.

Lucy is the marketing manager for ATG who are recognised internationally as the industry leader in physical security. Leda is ATG's Australian distributor and together we have successfully supplied and installed physical security to many of Australia's high profile and sensitive sites in Australia

Rapidly developing world markets, consumerism and trade centers have created hubs for business opportunities and critical infrastructure such as financial districts, highly populated urban high streets and prestigious hotels. This rapid expansion of infrastructure worldwide coupled with a challenging political and security environment brings a very real threat of targeted terrorist attacks.

Physical security is the protection of personnel, hardware, programs, networks, and data from physical circumstances and events that could cause serious losses or damage to an enterprise, agency, or institution. Within the vehicle barrier industry, this means protection against terrorism and substantial accidental impact.

The Dynamic Capability view of business strategy can be defined as the firm's process that uses resources – specifically the process to integrate, reconfigure, gain and release resources to match and even create market change. Dynamic capabilities thus are the organisational and strategic routines by which firms achieve new resource configurations as markets emerge, collide, split, evolve and die.

Within highly dynamic and evolving markets, investing in physical security systems enables a firm protection against rapid environmental and political changes which could ultimately threaten a firm's valuable resources affecting operational effectiveness and asset value. The short-term implication of high investment costs are mitigated long-term by measuring added value and considering the alternative should a security breach occur.

Business investment in security measures has been historically difficult to justify as the business-level value delivered by investment in new systems is very hard to measure and often just seen as operational or functional rather than delivering any additional value to business strategy.

Best practice guidelines for effective physical security measures to reduce vulnerabilities from vehicle borne attack or accidental impact have been outlined by the government as follows:

- Firstly determine the aims of your individual hostile vehicle mitigation strategy and preempt how this will integrate with existing security systems.
- Assess your sites traffic patterns. Who, what, why, where, when and how will traffic need to access the site. The answers to this can help identify and deter unwanted visitors.
- Installing traffic calming measures can limit vehicle speeds to a manageable and safe level, able to be stopped in an attack scenario.
- Perimeter protection maintains blast stand-off which provides proven vehicle impact protection.
- Access control systems can be embedded into daily security routines and help to enforce vehicle zones, emergency access and when deployed provide a complete 'ring of steel' for infrastructure.



# TECHNICAL INFORMATION



Firms must create a culture and an environment where risk management activities are effective. Physical security system manufacturers are expected to design systems certified for purpose with focus on operational longevity and serviceability; good enough to support business security needs.

The concept of investing in your business defence to hostile vehicle attacks is not about disregarding or replacing any current risk management systems you have in place but instead building on their foundations to maximise system effectiveness and security levels.

The Dynamic Capability view would suggest that physical security measures embedded within a business's processes are an organisational and strategic routine by which a firm can implement a new resource configuration to mitigate effects of changing security risks during a changing and dynamic security environment.

When investigating the effect valuable resources had specifically on business processes to create a sustainable competitive advantage, unique business competencies had a positive effect on business process performance.

Understanding the relationship between strategic resource allocation and business implementation processes is important for managers to be able to maximise core capabilities and competencies and their profitability value. With relation to physical security measures, risk mitigation approaches must not hinder business processes or restrict their effectiveness. The underlying security measure should improve a business's effectiveness; deliver an output to maximise value through mitigating the risk of a security breach.

Dynamic management strategies need to be reactive, anticipatory, defensive and proactive in order to achieve and maintain wealth creation in turbulent and changing security environments. Implementing effective physical security measures sits within a proactive and defensive management strategy. There are two perspectives within this; physical security systems can support a defensive management strategy to protect a firm's valuable resources from theft or attack and secondly if the valuable resource is the critical infrastructure, systems can add value to the unique resource proactively to protect customers from a security breach also protecting the company's reputation within the competitive market environment.

Substandard physical security measures compromised the safety of Glasgow Airport's passengers and staff in 2007 when a security breach resulted in a Jeep laden with explosives drove straight into the doors of the main departure hall. Luckily the attack was a failed terrorist attack and the bomb didn't detonate. Five members of the public were seriously injured and substantial damage was caused to the buildings structure. As a result of the attack passengers will have lost confidence in Glasgow Airport's safety strategy and their reputation will have been tainted directly after the incident. The airport would have had to apportion substantial financial resources to rectify the incident. The event could have also mitigated the effect of any dynamic capabilities Glasgow Airport may have built or obtained to create market value with the failure to recognise the effects of the challenging international security environment and its effects on business infrastructure.

The Dynamic Capability view, despite its criticisms, can be helpful in trying to justify physical security systems as value-added assets to be incorporated into businesses to protect wealth creation.



**LUCY FOSTER**

# NEWS

## NEW LEDA STAFF

In the past 3 months we have employed a number of new staff across Australia to assist with the company's continued growth and several large contracts in which we have been successful.

- Tim Bindley – Purchasing Manager Tuggerah NSW
- Jo Cregan – Accounts Tuggerah NSW
- Gina Portlock – HR Tuggerah NSW
- Nimanshubai Kapadiya – Engineering & Design Tuggerah NSW
- Jay Indap – NSW Service & Installation Manager Sydney NSW
- Luke Giuliano – Sales Executive Melbourne
- Jane Henderson – Administration Perth

As always we warmly welcome these new employees congratulate them on joining Leda and wish them well in their careers.



**TIM**



**NIMANSUBAI**



**JO**



**GINA**



**JAY**



## SERVICE AND INSTALLATION WINNERS

Each year Leda runs an internal competition for the best state service department. This year NSW has again taken the title out

The criteria in determining the winner includes customer satisfaction feedback, reducing warranty call backs as well as growth in service revenues and PMC's. Ultimately it leads to greater capability and improved service in all branches.

This year the NSW team worked hard on response times which is particularly important for the many high security sites we service in Sydney and Canberra. This results in all our service clients benefiting from this friendly competition.

## Despatch Depts New Forklift

Like many Leda departments the boys in our despatch department often don't get the recognition of a job well done. Paul Bounventura and his team at Tuggerah do an excellent job in ensuring the numerous orders that are shipped each day around Australia and to export markets are packaged correctly so that they arrive at their destination in good condition.

The team recently took delivery of an additional new forklift Donny Starr was given the honours of loading the first order with it.





**SIG CANBERRA**

## SECURITY EXHIBITIONS

ONCE AGAIN THIS YEAR LEDA EXHIBITED AT AUSTRALIA'S TWO MAJOR SECURITY EXHIBITIONS.

- Security 2015
- Security in Government

For the third year in a row "Security 2015" was held in Melbourne during July while SIG was once again in Canberra 1-2nd September.

## APCC

Leda and the "Securabike's" commitment to providing better and sustainability Bike Parking for cyclists was again demonstrated at the recent Asia Pacific Cycle Congress in Brisbane.

A wide selection of the "Securabike" range was on display at the Congresses exhibition receiving wide interest from many of the delegates who attended. Leda also provided complimentary bike Parking to cater for the delegates who cycled to the venue.

During the Congress Leda's Managing Director, David Matthews presented

a paper "Interpreting changes to AS2890

(Bicycle parking standard). The original standard was developed in 1993 and the first revision has just been completed. "We felt it was important to try and highlight the major issues, particularly one or two contentious items so that there is a better understanding throughout the industry.

Mr Matthews went on to explain that Leda will endeavour to commence a National education program through our sales teams to also get the message through to the Building and Construction Industries.



**ASIAL MELBOURNE**



**APCC BRISBANE**



**COMPLIMENTARY PARKING FOR DELEGATES**

## MESSAGE FROM THE CEO



I really enjoy the current feedback Leda is receiving on our new perimeter message. I think over the last few years with Leda developing a number of new products to our range the message of where and how Leda operates has not been adequately profiled.

2015 is about clarifying this. We are still in the perimeter Security business but are better focused on communicating this message to our customers and staff. Our new corporate brochures, videos and websites all seek to clarify and inform our customers of Leda's core strengths in perimeter products. If you want to **"Stop, Park, control or load it"** then you need to talk to Leda.

While the overwhelming majority of our sales are still in Australia, we continue to penetrate and expand into other global markets. It is really encouraging to witness the sales growth of our distributors such as CAM in New Zealand and Duo Gard in the USA. Both companies started with our "Securabike" Bike Parking Products and are expanding and introducing our "Securapost" bollards (ex Ningbo China). Both companies have traditional shelter businesses as their core product range, and are finding Leda's products an important extension to increase sales revenues.

Our Tuggerah based engineering and design team strengths continue to expand with another Civil Engineer Nimanshu recently joining us. As you will have noticed many of the projects mentioned in this newsletter have only been made possible by Leda's exceptional engineering and design strengths

**Richard Matthews**

CEO

**LEDA**  
PERIMETER SECURITY PRODUCTS



PUBLISHED BY: Leda Security Products Pty Ltd ABN 23 067 258 235

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