

MARKET FOCUS

Electronic Security in Public Spaces

TECH NEWS

IKON VERSO CLIQ – Smart Security

CORPORATE HIGHLIGHT

ASSA ABLOY Attending Asia's Largest Trade Fair

MARKET FOCUS Electronic Security in Public Spaces



Although the requirement on security systems in private premises and public spaces are similar to each other, these systems are very different in implementation and practice.

Most people in private premises are familiar with the environment and the interior settings. When they are in danger, they have a higher chance to swiftly evacuate to a safe place. To the contrary, in public spaces, people may not know their surroundings well.

In order to guarantee quick escapes in public spaces, all exits and passages should not be locked and the door opening action has to be limited to

not more than one type of action. Moreover, two-way door locks must be installed at skyscrapers.

Protecting lives and wealth are what people need to consider when designing security systems. If you prefer saving your life, you better not lock any door; but if you want to protect your wealth, you may

need to install several locks on one door. It sounds contradictory and extreme but we need to strike a balance between them. With the advancement of technology, crime has

National Aquatics Centre, Beijing

Our solution including:

- Tianming Fire-rated Doors
- Electronic Security Products such as Dropbolts and Magnetic Locks





become increasingly sophisticated and complicated. We can no longer use one single technology to protect life and wealth at the same time.

For example, many people prefer using electromagnetic locks which lock doors through the use of high level of magnetic force and release doors that lead onto passages, especially during a fire. However, if they are disconnected from the electricity supply, these electromagnetic locks will automatically lose their power and security function.

In this case, we can use electromechanic locks with “fail-secure” function, which guarantees a security system that is always functional whenever the power supply is steady or not. When the power supply is normal, we can use electronic devices to control the locks; while the power supply is cut off, we can use mechanical keys.

However, there are many considerations whilst undertaking evacuations. Not everybody can leave the place

freely, for example, patients in hospital or people working in secure vaults. One of the solutions is to install panic exit devices with central alarm system. When someone pushes down the locking bar of the panic exit device, the door alarm will ring immediately. This can inform the others as well as the central security control so that they can check the real situation at once. The alarm also gives the user a choice to think before they leave. If the users must leave through the door, they can push the locking bar continuously and the evacuation door will then be released.

For emergency situation, such as a

Langham Place Shopping Mall, Hotel & Office Tower, Hong Kong

Our solution including:

- Yale 8800 series Mortise Locks
- Yale 3000 series Door Closer
- Yale 7000 series Panic Exit Device and other accessories

fire, as long as the evacuation door is opened, the central control system of panic exit devices will automatically release all the other evacuation doors so that the people inside the premises can leave immediately.

Some electronic security systems offer the property management an “Authorization Checking” function. These systems help controlling the flow of people and forbidding unauthorized entry effectively. Through the use of palm print scanners or smart cards, we can easily differentiate the “Authorized” or “Unauthorized” entries.

Besides controlling the flow of people in public buildings, the status of doors or entry modes in certain areas (e.g. computer room) should also be constantly monitored. By adding the “Information Feedback” feature in the locks, the central control is kept updated whenever the doors are being opened or closed, the same applies to locks. If the building is accessed without authorization methods like swiping cards or logging in, and there is an attempt to lock/unlock, the security system will immediately update the central control.

For more information about electronic security in public spaces, please contact us. ■



IKON VERSO CLIQ – Smart Security

IKON
ASSA ABLOY

Security = essence of locks.

Locks are installed to ensure people's safety and security. However, installing more locks does not mean a higher level of security. A complicated security system may bring inconvenience to users.

IKON VERSO CLIQ is a new, smart locking technology that provides high security, comfort and ease.

What's CLIQ Technology?

CLIQ is a creative locking solution developed by the ASSA ABLOY Group. It integrates highly developed micro-electronics with intelligent data transfer technology into mechanical locking cylinder system. CLIQ uses sophisticated microelectronics with a new form of data encryption and integrates it into an extremely secure mechanical lock cylinder system, thus creating a new intelligent locking system. IKON, ASSA ABLOY's most successful brand for locking and security technology, has successfully applied CLIQ technology to its locks and further developed the IKON VERSO CLIQ.

VERSO CLIQ's advantages

VERSO CLIQ is an innovational combination of electronic and mechanic security that offers more security and flexibility than any other



**Police Headquarters
Hamburg, Germany**

locking system. VERSO CLIQ keys must be both electronically and mechanically authorized to lock/unlock doors. Users hence enjoy the benefits of "Double Security".

VERSO CLIQ uses computer software to configure the master keying system. After programming, VERSO CLIQ keys will be used as the data transferring tool. By inserting the key, VERSO CLIQ cylinder will be updated with the new access authority information. Instead of re-ordering, exchanging and replacing, simply re-program it; VERSO CLIQ cylinder remains where it should be: in the lock. The power supply as well as communication with the locking cylinder emanates from the keys. VERSO CLIQ comes as a plug-and-play system that users needn't spend high cost on complicated cabling and wiring.

With frequent reconstruction, expansion or reorganization, large organizations need to update its security and locking systems very often. In terms of mechanical locking systems this means: high costs for ordering new locks and keys or a latent security risk from key duplication problems. For this, VERSO CLIQ helps unlock your worries: Just delete the key from the software program using your computer and that's all! No security risk, no replacement of cylinders, no problems. Keep smiling like VERSO CLIQ keys.

VERSO CLIQ offers a comprehensive product range which includes different standards of cylinders such as Europrofile, ANSI standard. At the same time, VERSO CLIQ also provides padlocks, cabinet locks which fit



different users' needs. You can also find in VERSO CLIQ cylinders, IKON's smart cylinder design with high level of intrusion protection using mechanical tumblers and blocking brackets.

VERSO CLIQ offers highest security features, such as a 64-bit DES encryption, a specially developed chip and a complex mechanic, that clearly distinguished from the precedent master key systems.

This user-friendly VERSO CLIQ technology is applicable to many areas, including commercial buildings, education institutes, industry workshops, hospitals, school classrooms, computer laboratories and traveling locks.

IKON VERSO CLIQ is not just a locking system; it is a highly intelligent problem-and-system solution to you. ■

ASSA ABLOY Attending Asia's Largest Trade Fair



ASSA ABLOY was honored to be one of the exhibitors of Asia's largest annual building decoration trade fair, the 10th China International Building & Decoration Fair (CBD Fair), showcasing the Group's strengths and its latest products to the market.

Jointly organized by China Foreign Trade Center (Group) and China Building Decoration Association, the CBD Fair was held on July 6-9, 2008 at China Import & Export Fair Pazhou Complex, Guangzhou, covering an area about 180,000 sq m and housing 18 exhibition halls.

2,300 exhibitors participated this year at the CBD Fair, attracting more than 100,000 visitors and potential buyers from the Mainland and abroad.

ASSA ABLOY, being the global leader in the market, utilized this occasion to present and promote innovative door opening solutions, whilst strengthening our networks in the market and relationships with clients. The ASSA ABLOY booth featured newly designed products from 11 brands namely Besam, BaoDeAn, effeff, IKON, Sargent, Yale, Guli, Tianming, Trimec, Medeco and HID. Visitors and potential clients were able to interact with these latest products and listen to our staff's presentation.

Our staff believed the CBD Fair was a golden chance to directly communicate with and introduce our products to the visitors; more importantly, we can boost ASSA ABLOY's image. Through communication and interaction with the public, not only were we able to better understand the needs and the development of the Mainland market we can also nurture new business partnerships and networks.

The overall result of participating in the CBD Fair was very encouraging and rewarding. Titled 'Unrestrained and Far-ranging', our booth, received two awards of 'Distinguished Design' and 'Distinguished Production' from the organizers – a gesture of great appreciation of our design team's contribution.

We also held a seminar to launch the Medeco brand and its products to the market, participants included professional end-users, construction personnel, designers and architects. The seminar was well-received by the attendants and it helped us in enhancing our communication with clients.

Ting Wang, our person-in-charge of the exhibition, stated, "With the assistance from different departments' colleagues, we were able to successfully organize this great event. Feedback



from the visitors was very positive. Our marketing activities and eye-catching booth not only attracted the attention of professional media from home and abroad, but also elites from different industries."

Besides promoting our image and our brands, the CBD Fair also helped strengthening our potential clients' confidence and trust in our service and products. "This event serves not only a place for trading business and brand promotion, but also an essential platform for internal and external communication." concluded Allen Wong, President, Greater China Region. ■

ASSA ABLOY

參加全亞洲最大型博覽會

我們很榮幸能夠成為全亞洲最大型的建築裝飾博覽會——第十屆中國國際建築裝飾博覽的其中一名參展商，向市場展示了集團的實力和推介最新的產品。

是次博覽會由中國外貿中心(集團)及中國建築裝飾協會聯合主辦，於二零零八年七月六日至九日假廣州的中國進出口博覽會琶洲大樓舉行。會場共設十八個展覽廳，佔地約十八萬平方公尺。

今年共有二千三百間商號參展，吸引了超過十萬名來自中國各地和海外的嘉賓和買家出席這個一年一度的盛會。

身為市場的領導者，我們把握這個機會向市場和客戶展示我們最新的門鎖和設備，並加強與他們的聯繫，從而令他們對公司留有更深刻的印象。我們向客戶介紹了十一個品牌的新產品，包括：Guli(固力)、Besam(必盛)、Tianming(天明)、Baodean(保德安)、Yale(耶魯)、effeff、IKON、Sar



gent、Trimec、Medeco及HID。嘉賓和潛質客戶可以一邊觀賞和觸摸這些品牌的最新產品，一邊聆聽工作人員的講解。我們視這項活動為一個宣傳公司形象、直接與客戶溝通及展示公司新產品的平台。另外，我們透過與參觀者交談，我們更了解中國市場的需要和發展，並藉此建立新的夥伴關係和網絡。

是次參展的成績確實令人鼓舞——我們的展位「海闊天空」獲大會頒發

「優秀設計獎」和「優秀製作獎」，肯定了我們設計組所作出的努力。

除了在會場內設有展位之外，我們亦舉辦了一個研討會，向專業人士、建築材料分銷商、設計師和建築師等介紹Medeco品牌和其新推出的產品。是次研討會促進我們與客戶之間的溝通，深受出席者的歡迎。

是次博覽會的總負責人王挺先生表示：「得到各部門的同事的協助，我們將今次的展覽舉辦得非常成功。客戶給予我們正面的回應。我們優質的活動和奪目的展位不單吸引了國內和海外的傳媒的注意，更包括來自不同行業的精英。」

參加博覽會除了提昇我們品牌形象之外，更加強了客戶對我們的產品和服務的了解和信心。

「博覽會不單只提供一個讓參展商進行貿易和宣傳品牌的場地，更加建立起一個用作對內和對外的溝通平台。」大中華區總裁黃勁立先生總結。■



IKON VERSO CLIQ 明智的保安選擇



門鎖最重要的價值在於保障安全。

我們用鎖是因為我們需要有安全感和備受保護。可是，安裝在門上的鎖的數目多寡與我們所獲得的保安程度卻不一定成正比。相反，太多門鎖反而會帶來諸多不便。

IKON VERSO CLIQ 正是以最新門鎖科技研製而成——集優質、易用於一身之產品。

甚麼是 CLIQ 的技術？

CLIQ 是 ASSA ABLOY 集團以電子機械技術研製出來的一種主鑰匙系統的創新科技。它以成熟先進的微電子和智能數據傳送技術，融合在一種極度安全的機械式鎖膽系統之中，因而創製出第一種智慧型門鎖系統。IKON 是 ASSA ABLOY 最享負盛名的門鎖和保安技術的品牌，它成功將 CLIQ 的技術應用在產品之上，研發出 VERSO CLIQ 系列。

VERSO CLIQ 的優點

VERSO CLIQ 提供了一種糅合著電子和機械的新保安科技，比起一般鎖的保安效能更強大。因此，用家必須從鎖的電子和機械兩方面的保安裝置

均獲得允許才能開門或關門，從而獲得「雙重保障」。

VERSO CLIQ 的另一優點是所有鑰匙系統編制均以電腦程式操作。當用家以電腦編制鑰匙系統後，VERSO CLIQ 的鑰匙便會擔當訊息傳遞的工具。用家毋須花費大量金錢安裝複雜的連線，以連接每個門鎖至中央系統，只需把鑰匙插入鎖膽數秒鐘，鑰匙便可與鎖膽交換訊息。同時，VERSO CLIQ 的電池設計在鑰匙中，而非鎖芯，所有操作變得簡單，「一插即用」。

大型機構經常需要在保安上作出改變，如出入權限、調整公司組織架構。機械式鎖膽及鑰匙系統在此方面的表現往往不夠靈活。當遺失鑰匙時，機械式系統需要花大量時間及金錢去重新裝配鎖膽，甚至會因配匙問題而引起保安危機。IKON VERSO CLIQ 對此則有優越的表現：用家只需裝備 VERSO CLIQ 的電腦程式，就可以輕輕鬆鬆地處理刪除鑰匙、更改權限等功能，而毋需更換鎖膽。不但方便快捷，並且沒有任何安全隱憂。因此，用家可以像 VERSO CLIQ 的鑰匙設計的圖像般，保持微笑。

VERSO CLIQ 為用家提供整套解決方案，備有各類不同標準的鎖芯，如歐標、美標等。同時，VERSO CLIQ 亦設有掛鎖、抽櫃鎖等可供不同的環境



使用；而 IKON 最引以為傲的機械彈子、防撬的鎖芯設計都可以一一在 VERSO CLIQ 中找到，使用家更安心。

VERSO CLIQ 更以最高度的保安設計，包括 64-bit DES 加密——一種特別研發的晶片和機械複合品，與以前的主鑰匙的設計截然不同。

VERSO CLIQ 適用於多種範疇之上，包括商業大廈、教育機構、不同行業的工作坊、醫院、班房、電腦室，以至旅行鎖。

IKON VERSO CLIQ 不僅是一套鑰匙系統，更是一套高智能的解決問題方案和系統。■



德國漢堡警察總部



破壞斷電時，電磁鎖便會馬上失去功能，變成廢鐵一般。

所以，為了保證無論供電正常與否，門鎖都能發揮防禦作用來對抗外來的侵襲，我們可以採用電機鎖。電力供應正常時，我們使用電力控制門的開關；當停電時，我們則可使用鑰匙開關。

不過，逃生也要考慮許多因素，不是人人都可以隨意離開肇事之地的。例如醫院裡的長期病患者、在金庫裡工作的員工，若他們隨意離開病床和工作崗位，會對自己的健康和機構的管理運作構成威脅和影響。其中一個解決方法是：我們在逃生門上加入一個連動裝置，當有人按下推杆時，門上的警鈴會馬上響起，通知其他在場人士或中央控制系統，使他們可以查看實況。警鈴亦同時提醒準備外出的人反問自己：「到底我是不是真的想要通過這扇門離開呢？」若當

事人真的要逃生的話，只需連續按下推杆，逃生門便會打開。

若真的遇上危難，如火災等，中控系統便會自動啟動大廈內其他逃生門的連動裝置，令場內的公眾可以逃生。

另一方面，電子保安可提供「授權人士識別功能」，協助管理人員控制人流、防止非法人士進入和使用空間等。通過掌紋掃瞄器或更廣泛流通的智能卡來達到辨別「授權」和「非授權」的效果。

除了控制人流之外，我們是需要時刻知道某些地區（如電腦機房）的門的狀態的。因此，我們會在鎖體內加入「回饋信號」，讓中央控制知道門是關著或是開著，鎖是在開著或是閉著的狀態中。若有人進入而沒有按既定的程式登錄，那麼，當他正在打開門鎖時，門鎖便會馬上有信號通知控制室了。

如想獲得更多有關公共場所保安設備的資訊，歡迎與我們聯絡。■



香港旺角朗豪坊商場、酒店及辦公室大樓

產品方案包括：

- Yale 8800 系列插芯鎖
- Yale 3000 系列閉門器
- Yale 7000 系列緊急逃生裝置

公共場所的電子保安



原則上，私人居所和大型公共場所對安裝保安設備的要求並沒有截然不同的概念，但在實施和使用的層面上，二者卻有所不同。

在私人居所裡，大部份使用者都會清楚自己置身之處的環境和設施。因此，當發生危險時，室內的人較容易從容逃生。但在公共場所裡活動的人，他們不一定全都熟悉場所的環境和設施。為了保證公眾在危難時可以盡快逃生，公共場所的走火通道都不應該上鎖，而市民在開門時也不可以進行超過一個動作，高層建築物的門鎖更要設有「返回」的功能。

保命和保財往往是人們需考慮的條件。要保命的話，便什麼門都不要上鎖；反過來說，若要只求保財的話，便可能要為一扇門配上多道門鎖。雖然二者好像很矛盾、極端，但我們不能妥協，而要令它們兼容並存，做到既保護生命又保護財產。

在犯罪技術高度發展的今天，我們不可以再依靠單一技術來達到既保

生命又保財產的兩全其美效果。

舉例來說，許多人愛用電磁鎖，因為電磁鎖利用超高的磁力把門關好，遇到火災時又可以馬上把門釋放，並變成通道。可是，當電源受到

北京國家游泳中心(水立方)

產品方案包括：

- 天明(Tianming)防火門系列
- 其他電子安防產品如：陽極鎖、電磁鎖

