Digital Smart Handle
SimonsVoss Security Technologies (Asia) Pte Ltd
Booth Number: G18

SAFETY & SECURITY ASIA 2011 / MERLION AWARDS

DIGITAL LOCKING CYLINDER - DUAL CREDENTIAL (SMARTCARD & TRANSPONDER)

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SimonsVoss Technologies is the market and technology leader for secure wireless and digital access control technologies including advanced standalone, networked and virtually networked (multi-networked) solutions. SimonsVoss offers unique solutions for sporting hubs, banking, educational institutes, healthcare and residential projects by combining the latest in technology and security. SimonsVoss is one of the fastest growing companies of its kind and market leader in cylinder locks and active transponder technology. **SimonsVoss Security Technologies (Asia) Pte. Ltd.**, headquartered in Singapore, is the Asian subsidiary of SimonsVoss Technologies AG responsible for channel development, technical support and partner development in Asia.

History of SimonsVoss Technologies AG

Founded in the 1995 by **Mr. Ludger Voss (CTO & Software Development)** and **Mr. Herbert Meyerle (Hardware Development)**, with the objective to increase comfort and improve user-friendliness in the application of locking systems. In 1997, the company's focus was the development of an extremely low-energy electronic for use in system components, innovative mechanical functions and the active transponder technology as the core for operating all system components. In the same year, an electronic lock with no external cabling was introduced as the company's first major breakthrough.

In 1998, SimonsVoss introduced to the World the first digital locking cylinder without external cabling during the Security Fair '98. Later that same year, the digital locking cylinder went into mass production. In 1999, the SimonsVoss product platform range was expanded and important extensions added to the well-received groundbreaking technology.

In 2000, the company's headquarters was moved from Munich to Unterförhing. Deutsche Venture Capital Gesellschaft (DVCG), a subsidary of the Deutsche Bank, and Temasek Holdings joined as shareholders. Later that same year foreign offices were opened in Paris and the Republic of Singapore.

Today, SimonsVoss continues to expand upon its leading technology platform. Recent technology introductions include SimonsVoss TCP/IP-Ethernet WaveNet Wireless Networking, NFC iPhone Application, SmartHandle and SC Cylinder technology.

As of 2010, SimonsVoss employs more than 230 staff worldwide with the headquarters in Unterförhing, Germany, manufacturing location in Petersberg, Germany and foreign offices located in France, United Kingdom, USA, Netherlands, Austria, UAE, Malaysia and the Republic of Singapore.

A. Product Innovation:

The SimonsVoss Digital Locking Cylinder - SC open up countless opportunities. The new SmartCard cylinder is a combination of a digital SimonsVoss cylinder and an RFID knob. The SimonsVoss Digital Locking Cylinder - SC is the world's **only** dual reader digital locking Cylinder. This innovation allow both secure active 25kHz activation as well as SmartCards based on all MIFARE Classic and MIFARE DESFire Standard media variants. Integrated button cells provide the power for up to 120,000 activations. Be it direct or virtual networking, active transponders or passive cards, global wireless networking in SimonsVoss WaveNet or a combination with existing SimonsVoss systems: the possibilities are limitless!

B. Design:

B.1. Advantages

The digital locking cylinder 3061 – SC with integrated RFID reader is a cylinder with extremely compact dimensions, and it has the most stylish design of its kind in the market. It provides maximum technology and application flexibility.

Security in design: The "brain" and communication components of the cylinder are located at the secure side of the door. The advantages to this is it protects the electronics from being tampered with and minimizes vandalism.

Enhanced Features: The new design includes the following feature enhancements:

- hybrid technology: combination of active and passive
- direct or virtual networking
- weatherproof version available
- multiple credentials: active transponders or passive cards
- wireless direct networking in the SimonsVoss WaveNet
- can be utilized as virtual network/ multi-networking gateway

C. Benefits to consumers:

C.1. Batteries

Ten (10) year stand-by and up to 120,000 activations. Eco-friendly with longest battery life in the market place. Additionally, as the cylinder is battery powered, users do not have to worry about system security during power outages.

The cylinder also has an intelligent built-in 3 tiers of battery management system including a back-up internal battery which provides sufficient audible warnings.

C.2. Flexibility in Implementation

The ultimate in flexibility, the SimonsVoss Digital Locking Cylinder - SC can be installed in replacement of any European, Scandinavian, Swiss Round, British Oval profile mechanical key cylinder.

Since the cylinder is wirelessly installed and operated, relocating of the cylinder is simple.

C.3. No worries for lost keys
In the case of lost transponders, an overlay mode allows a replacement card or transponder to overwrite the original. The first use of a replacement transponder will automatically overwrite and block the lost (original) transponder.

The SimonsVoss Digital Locking Cylinder – SC can manage up to 64,000 media per cylinder and can be access via several options including Transponder, Mifare card, Pincode Keypad, Biometric Reader, Biometric Transponder and even by using an NFC iPhone application.

D. User-friendliness of product:
The SimonsVoss access system requires only three components to work;

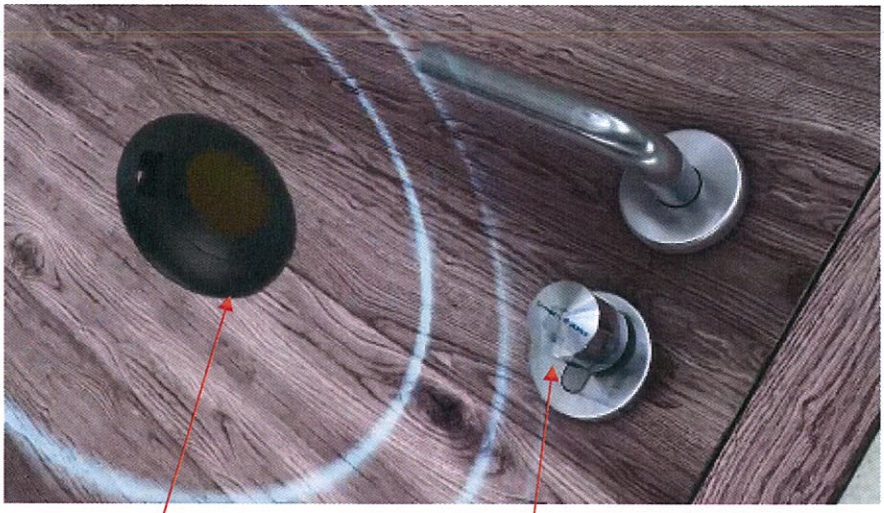
1. digital locking cylinder - SC,
2. transponder (active variant) or smart card (passive variant)
3. and software programming.

A user just needs to activate their authorized transponder or tap their authorized card at the knob to lock or unlock the door. (Refer to Annex A)

E. Significant of Unique feature:

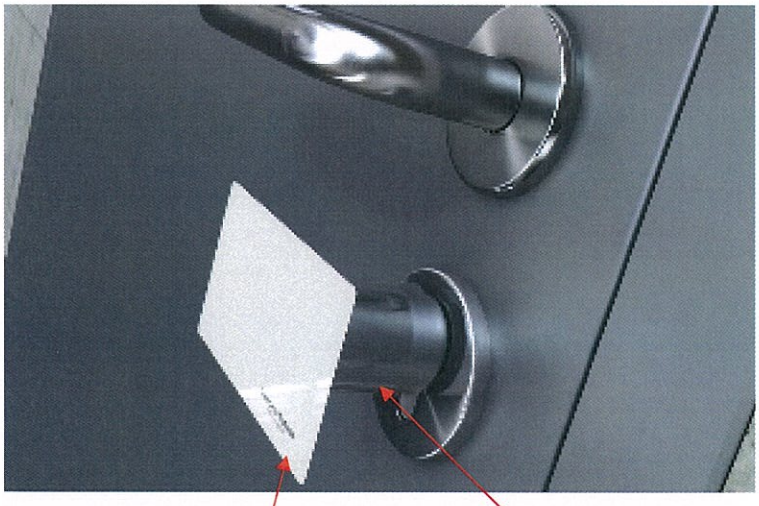
- Eco-friendly – Longest battery life in the market place.
- Only dual reader technology in the world place, i.e. active and passive variant
- Stylish design
- Only system worldwide to be deployed as a standalone, multi-networking or direct networking (gateway) solution

Annex A



Transponder Digital Locking Cylinder - SC

Position the transponder within 40cm from the cylinder and press the button once. Two beeps indicating activation by turning the knob to unlock the door.



Card Digital Locking Cylinder - SC

Tap the card on the knob of the cylinder and hold. A blue light indicates activation by turning the knob to unlock the door.