

*Blackinton*

# HIGH SECURITY

▶▶▶▶ **BADGE TECHNOLOGIES**

*Improving Security, Management, and Productivity*



## Tamper-Proof Secure Badge Technologies

Protecting your agency and the public

### SmartShield™ RFID Enabled Badge, Blackinton® Patented Technology

We embed a rugged, tamper-proof RFID transponder chip into the back of your Blackinton badge transforming your ordinary shield into a SmartShield. The SmartShield badge acts as a portal to the officer's information. By simply scanning the badge with a WinEID™ software enabled RFID reader you can access your existing databases and see a comprehensive view of officer information. You can instantly see who the badge is issued to, verify identity and credentials, and make intelligent decisions based on real-time information. SmartShield is helping departments manage inventory control, building access, field validation, and identity authentication.



### SecureShift® Color-Shifting Enamel

- » SecureShift technology offers an economical way to visually verify the authenticity of a badge. Unique microflakes are permanently embedded into the color region of a badge. When the badge is slightly turned there is an obvious color-shifting effect which is verifiable to the naked eye. SecureShift color shifting enamel is available in colors that shift from green to purple, blue to purple, black to moss green, copper to burnt gold, and silver to green. SecureShift microflakes are applied into, and on, the badge for permanence, and cannot be removed. This is the same anti-counterfeiting technology used to protect currency in nearly 100 countries around the world, including the U.S.

### Key Features

- » **SECURITY** built into the badge.
- » **SINGULAR VIEW** into officer's information.
- » **SCALABLE** user configurable system; you determine the information you want to see.
- » **FLEXIBLE** robust software with ability to link to any database.
- » **VALIDATE** the officer and the badge from anywhere.
- » **CONTROL** building access, badge inventory, officer information, mobile deployment.



## Core Capabilities

You decide the level of security and functionality you need

### Badge Inventory Control System

- » Electronic, secure record of badge issuance and inventory.
- » Scan the badge, instantly see who the badge is issued to, check the badges history, reassign it to inventory, or decommission the badge.
- » Increases productivity, and reduces the threat of forgery.

### Officer Information Portal

- » Centralized access point (portal) for officer information/demographics.
- » Flexible, scalable solution - you define the categories and fields to be viewed.
- » Requires connection to existing databases; if data structure does not exist we can help create one.
- » Robust software easily configured to meet your security needs.

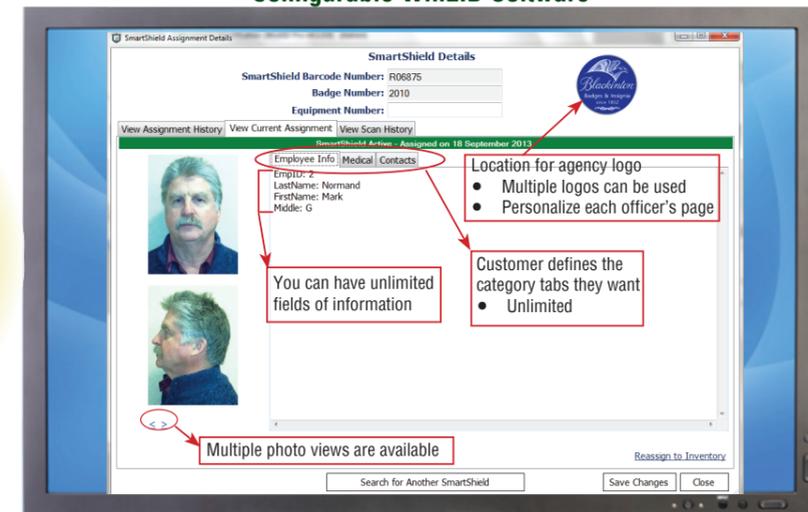
### Building Entry Validation

- » Scan the badge at the door's RFID proximity reader, the door unlocks and officer gains access, at the same time the WinEID software presents the officer's information on your monitor.
- » The badge serves as a substitute for an access card.
- » Blackinton SmartShield badge and WinEID software interfaces with most HID compliant building access control systems.
- » Reliable, consistent badge and officer validation at the door.

### Identity Authentication

- » Visually validate the badge is authentic with color shifting enamel.
- » Smart validation - scan the badge to see who it is assigned to, view other key personnel data, and easily detect forgery.
- » Increasing security of police facilities and communities.

### Configurable WinEID Software



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www.blackinton.com

SmartShield patented process and parts, US7522056B2 badge verification device.

SecureShift® is a registered trademark of JDS Uniphase Corporation



## Centralized Secure Access To Officer Information - Verify and Validate

Employee Info.

Medical Info.

Other you decide

Equipment

Training

CENTRAL  
DATABASE  
Officer  
Information



Building Access

Computer  
Access

Mobile  
Access

## Software System Requirements

The Blackinton SmartShield badge uses WinEID (Windows Enforcement Identification) for purposes of electronic records management, badge issuance, and badge validation.

There are two versions of the SmartShield WinEID software:

**Standard WinEID** - This version supports a stand-alone installation and does not require any network infrastructure. **The minimum system requirements for the Standard are:**

- Intel Pentium 4 processor
- Microsoft Windows XP with SP3
- .NET framework 2.0 (updates recommended)
- 1 GB RAM
- 500 MB of available hard disk
- Available USB port for RFID chip reader

All SmartShield WinEID data residing on the local machine can function in a standalone non-network enabled environment.

**Pro WinEID** - This version allows an organization to install the WinEID management application on a network and share a single unified database across multiple computers. **The minimum system requirements for the Pro are:**

### Host System

- Capable of running Microsoft SQL Server 2005 or greater

### Client System

- Network connectivity to the host system
- Microsoft Windows XP with SP3
- .NET framework 2.0 (updates recommended)
- 1 GB RAM
- 200 MB of available hard disk
- Available USB port for RFID chip reader

All SmartShield WinEID data objects are created in your SQL server to maintain data separation and protection.

Optionally the system can connect and utilize the data contained within the organizations' personnel database; however, this requires that each client system have network connectivity to the personnel database system or shadow copy system. The WinEID applications interacts with this database in a **retrieve-only** fashion. No data in the personnel system is ever created, updated, or deleted.

The SmartShield WinEID software is free and there are no annual license fees to worry about.



## See How Our Technology Is Being Used

Field proven security solutions



### Estado de Mexico SSC

#### Over 15,000 SmartShield RFID Security Badges Deployed

To combat corruption, police impersonation, and threats to the safety of its citizens the Governor of Mexico commissioned a uniform and badge security system for the largest state police force in Mexico, Estado de Mexico SSC (Secretaria de Seguridad Ciudadana). The system consists of Blackinton SmartShield RFID badges and SmarTex uniforms by PROTACTIC.

Since 2012, 15,000 officers have been provisioned with SmartShield RFID enabled badges and PROTACTIC uniforms. The SmartShield technology drives tracking and tracing the history of the badge, identity authentication, and inventory control throughout the department. The department has taken control, and can now quickly and easily identify and validate an officer, and the equipment assigned to him/her (weapon, uniform, badge, vehicle) at the door, in the field, or at an issuance station.

*The success of the SmartShield badge with Policia Nacional prompted a second project in 2012 to outfit UNP, the Colombian secret service. The badge is being used for identity authentication, allowing the UNP to better protect, and guard, Government buildings.*



### Colombia Policia Nacional

#### Since 2009, over 100,000 SmartShield RFID and SecureShift® Security Badges Deployed

In 2009, the official law enforcement entity in Colombia, the Policia Nacional, embarked on rebuilding the trust of the citizenry and securing the safety of its officers, which had both been compromised due to police impersonation and corruption. Policia Nacional deployed a Blackinton badge security solution incorporating both SmartShield and SecureShift.

Over 100,000 officers have been issued a security badge. The SmartShield technology is providing Policia Nacional with an electronic history of each badge, and is helping to secure the Policia Nacional Headquarters. To obtain entrance to headquarters the badge is scanned and a photo and credentials of the officer are displayed on a large screen for verification. The technology is also being used to access medical records and to validate officers at Colombian government medical facilities.

The green to purple color shifting enamel embedded in the badge further helps to identify an officer. The government has taken great measures to protect its citizens from impersonators by conducting a public relations campaign explaining how to recognize an authentic SecureShift badge from a counterfeit.

