

# ARANA SECURITY BROCHURE

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[www.aranasecurity.com](http://www.aranasecurity.com)



**ARANA**  
SECURITY

# ABOUT US

Arana Security specialises in Biometric solution, Smart Card Technology and Access Control Solutions. We pride ourselves on bringing secure solutions to our clients using the latest technology.

We provide full end-to-end security solutions, from design and programming to printing and authentication. We work in close collaboration with clients to deliver a solution that ensure harmony between quality, reliability and cost.

With our team of developers our solutions can be customised to your exact requirements. We aim to bring the most state of the art technology and solutions to the market.

With our extensive experience delivering such solutions internationally to both public and private sector organisations, we ensure that we find the best solution for you .

We work across different sectors, including:

- Governmental
- Helathcare
- Financial
- Education
- Transport and Airports
- Leisure
- Commerial buildings
- SME's



Arana Security understood what we needed and implemented it quickly and effectively. The customised application for our Access control system is simple to use.



## MAIN Services



### Biometric ID Solutions

Proven international experience in the design and delivery of reliable biometric and biographic registration, our Biometric id solution are tailor made to suit your organisation's requirements. Preventing



### Access Control Solutions

Arana Security specialise in delivering customised access control solutions to a multitude of industries, ensuring smart and reliable security management of your organisation.



### Application Development

With an in-house team of developers we are able to develop customised applications to compliment the security solutions that your organisation requires.

## Our Mission

Arana Security aims to provide bespoke security technology solutions aimed at improving the safety in and around your organization. With our continuous development of state-of-the-art technologies and every growing partnership enables us to remain up to date with products and solutions that provide companies with the highest level of quality in the security sector.

## Our Vision

To offer the latest in security solutions in order to help organisations protect their assets and staff against growing threats.



# BIOBOX



## SOFTWARE

Fully customised Biometric Fingerprint capture, Iris and photo, and personal data enrolment software. Unlimited records can be stored in database. Create and export EFT file based on ANSI/NIST-ITL Standard.



## FINGERPRINT SCANNER

Live fingerprint scanner, conforms with international standards, for acquiring 4-slap/2-thumbs fingerprints as well as rolled fingerprints. Its small footprint, processes fingerprints faster, simpler and low weight increase mobility. FBI certified scanner.

## EASY, SECURE AND FAST PROCESSING

### BIOMETRIC PORTABLE ENROLMENT SOLUTION

Revolutionising ID enrolment, this product integrates a biometric application with hardware components to offer Biobox, Biostation Id an all-in-one portable solution. Stored in a waterproof, shockproof, compact case it allows the user to transport it between locations easily.



## LAPTOP

Laptop with the latest processing and memory to a performance-enhancing keyboard has been selected. With up to 1 TB of storage space



## HD CAMERA

True-to-life HD 1080p photo that capture the smallest details. Full HD is made possible to use the photo in biometric applications.



## RUGGED CASE

Water proof rugged case with wheels. Perfect for mobility. For BioBox ID only.

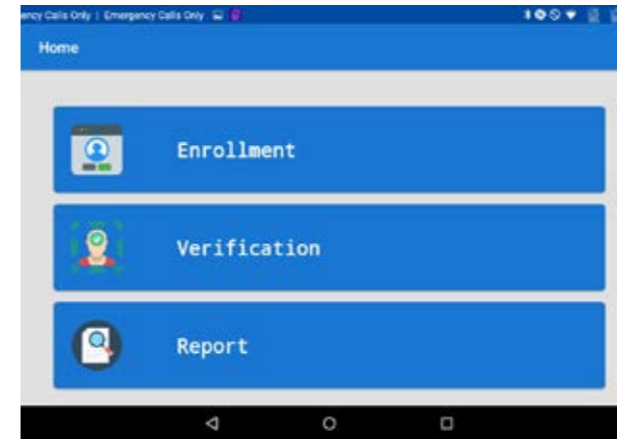
# EAV

Arana Security have teamed up with IDEMIA to bring a full Enrolment, Authentication and Verification (EAV) Solution. With IDEMIA's MorphoTablet 2i and 2s and Arana Security's user-friendly application you can have a full EAV solution in one small package. Biometric is by far the most secure and reliable way to identify people, whether its for law enforcement or for corporate entities.

This solution can incorporate Iris and fingerprint identification to give the maximum security. The Enrolment, Authentication and Verification application or EAV, is designed to allow the secure collection of biometric data and user's details ensuring a swift and confidential documentation of identity. The application can also provide verification, which is an optional extra and can be included within the software, leading to a higher level of security



- ✓ 2-Factor Authentication
- ✓ Fingerprint and Iris authentication
- ✓ Easy Enrolment



## THE APPLICATION

This application can also provide verification, which is an optional extra and can be included within the software, leading to a higher level of security. Guarantee confidentiality of applicant's data during enrolment and/or transfer to central systems with secure encryption mechanisms ensuring no breach of privacy can occur.



## MORPHOTABLET™2

Morpho introduces its second generation secure biometric tablet: MorphoTablet™ 2 a touchscreen Android device that offers 4G high speed data transfer, complete credential acquisition/reading capabilities, plus enhanced usability and robustness to ensure seamless enrolment, ID verification and identification on the spot.

## TYPICAL USES

- Criminal Identification through a cross comparison search against an assigned watch list.
- Identification of an unknown subject (Jane Doe) at a crime scene, in a morgue, etc.
- Time and attendance allows for paperless clock in/ out in both stationary and temporary environment.
- Access control of employees' configuring the ID checks with the flexibility of mobile use.



## IRISHIELD USB MK 2120U

The IriShield USB MK 2120U is a ready-to-use single iris capture camera. The compact camera is powered via USB port. Its low power consumption and mobile OS support makes it suitable for using with smartphones, tablets or other hand-held devices.



# MorphoWave™ Compact Wave

Working alongside with IDEMIA on their newest addition the MorphoWave™ Compact, a biometric access solution for capturing and matching 4 fingerprints with a single hand movement. It implements a patented, truly contactless 3D fingerprint technology in a stylish and compact wall-mounted device, suitable for any location. The MorphoWave™ Compact does not only acquires extremely accurate fingerprint data but also overcomes the challenges of wet/dry fingers and latent prints pose to the conventional scanning systems.

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The dynamic of touchless acquisition capability provided by Morpho Wave™ Compact allows users to remain 'on the move' while passing through control point which makes it ideal for securing high traffic areas.



## CONVENIENCE AND SECURITY

Users are positively identified with a simple wave of the hand that Captures and matches 4 fingerprints ensuring the most accurate and reliable fingerprint matching for maximum security. Not to mention the Time and attendance features to help reduce the overall costs and increase employee productivity

## HIGH THROUGHPUT

Touchless technology that easily copes with dry and wet fingers, no latent prints allows users to remain in motion while being identified, making it Ideal for high throughput and high security applications.

## VERSTILE EASY DEPLOYMENT

IP65 rated and PoE+ powered, compact reader, with Ingenious, symmetrical opening mechanism enabling an easy wall-mounting and in-place maintenance. With Multiple interfaces including TCP/IP and Wi-Fi and 4G options. Which also ensures that MorphoWave™ technology can be deployed at every location.

## MULTIFACTOR AUTHENTICATION

MorphoWave™ Compact natively supports Prox, iClass, MIFARE, DESFire cards and PIN code, in addition to biometrics. It is also capable of scanning QR codes for visitor management.

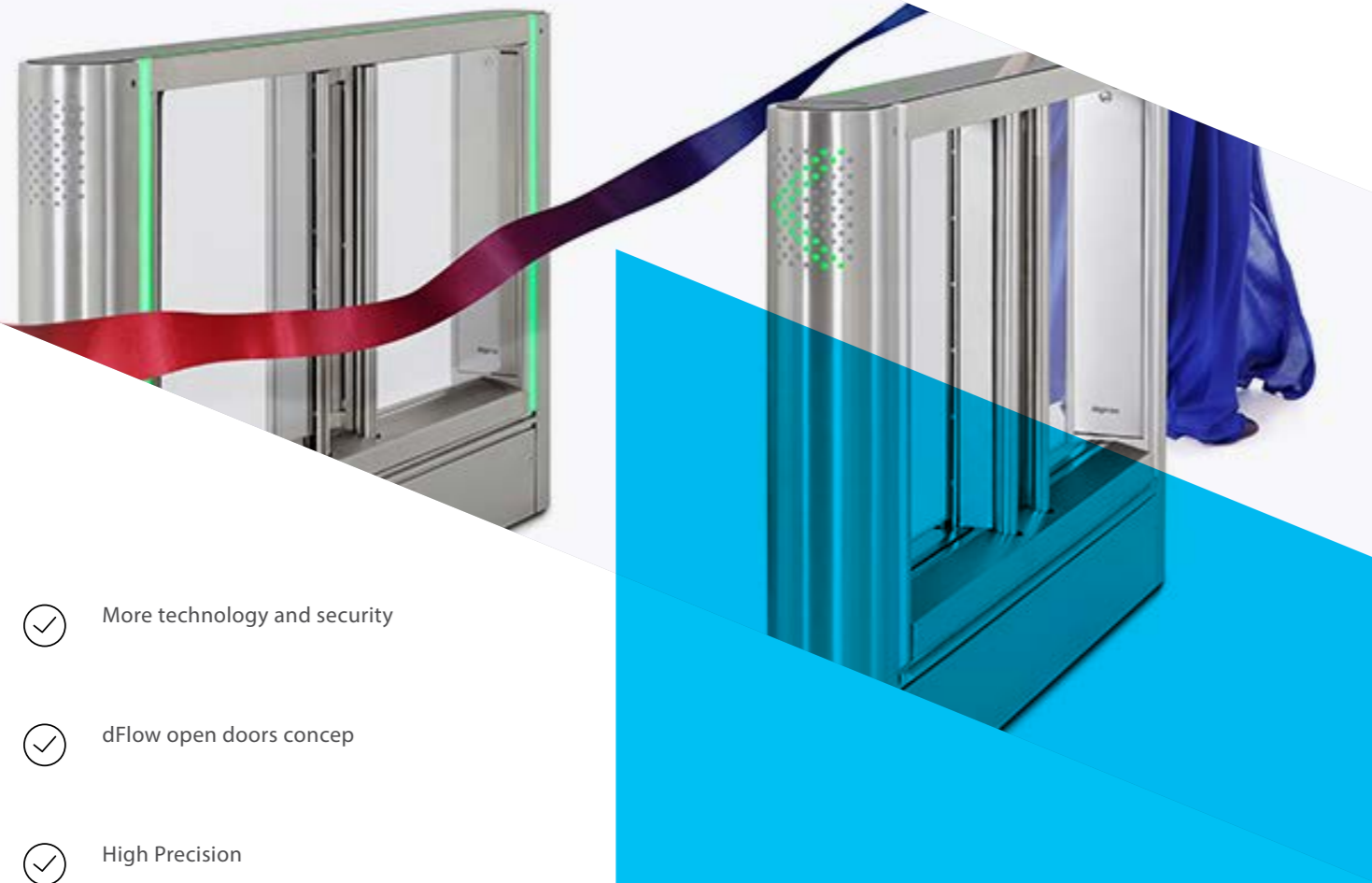


# D-FLOW

Digicon and Arana Security has joined forces to introduce a new vision of access control gates. Within the FREE FLOW concept the dFlow is the first gate that will fit perfectly, a gate with continuous flows and normally open doors whereas Traditional gates have their doors normally closed.

A new category of access control gates with technology that is able to detect with high levels of accuracy identify and track multiple users entering or leaving the passage area. The gate will allow authorized users to encounter open doors that will only close when detecting one or more unauthorized users.

The integration with traditional technologies such as bar code, RFID, MIFARE and fingerprint biometry used in traditional gates and turnstiles, a system that is equivalent to an almost infinite number of traditional IR sensors, and an algorithms that are able to accurately identify people and ignore objects such as bags, hats, caps, backpacks, cell phones and others.

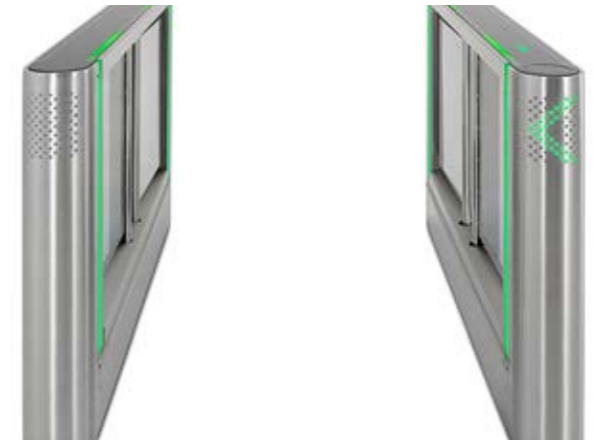


- ✓ More technology and security
- ✓ dFlow open doors concep
- ✓ High Precision



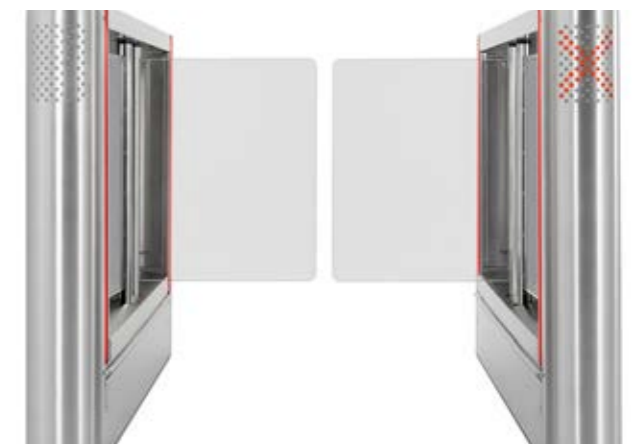
## SWING GATE DOORS

dFlow has "swing gate" doors that are activated only when one or more unauthorized users try to pass through the gate. Using a modern imaging system that feeds data to sophisticated algorithms which controls the acceleration and position of the barriers based on the location, speed and direction of movement of unauthorized



## UNIDIRECTIONAL ACCESS

dFlow has unidirectional or bidirectional access with widths ranging from 500mm up to over 914mm. The 914 mm (36") gate to be used by ordinary and special needs users with the same or better effectiveness than traditional 560 mm (22") or 711 mm (28") gate



## INDICATIVE LED WINDOWS

dFlow gates has an Indicative LED "windows" that follow the user through the gate with different colors for different user groups.

# ANPR

Arana Security works closely with our partners' and their various range of ANPR cameras .ANPR (automatic number plate recognition), is a highly accurate system capable of reading vehicle plate number through optical character recognition (OCR) technology. ANPR cameras allow for the vehicle number plate to be read and identified as an authorized vehicle before access is given. Such access control solution can increase the security greatly for sensitive high-risk sites

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Our Industry leading camera technology that enables the safety and security of all parties' desire, allows us to adapt bespoke capabilities with the most innovative products and highest standards of service

# CHECKPOINTS

Having ANPR at checkpoints will help to flag suspicious license plate numbers, as the image that camera capture will be checked against the database. This will greatly improve security and lower the risk of criminal activity.

# MAIN FEATURES

- With a variety of ANPR/LPR cameras, we guarantee a seamless compatibility to any ANPR system while providing the quality required for a well performing arrangement.
- The ANPR process normally takes no more than a few hundredth of a second, so it is possible to register multiple license plates by even a single camera and also in high-speed environments.
- ANPR cameras are designed to read all vehicle license plate types in the world in any traffic speed. An independent recognition of not only of Latin characters but other characters around the world.





# APPLICATION DEVELOPMENT

Arana Security has the ability to develop customised applications according to your organisations requirements. We have also developed a number of off the shelf applications that make it simpler for organisations to implement certain processes such as pre-payment cards and encoding smart cards on site. these applications are customisable as well.

Some of the applications Arana Security has developed include:

- SmartEncode- making smart card encoding simple
- Loyalty scheme application
- Pre-payment application
- Biometric Authentication application
- Event Access Management Application
- Time Attendance application.

Our aim is to provide user friendly applications that give your organisation the flexibility and security that it needs.

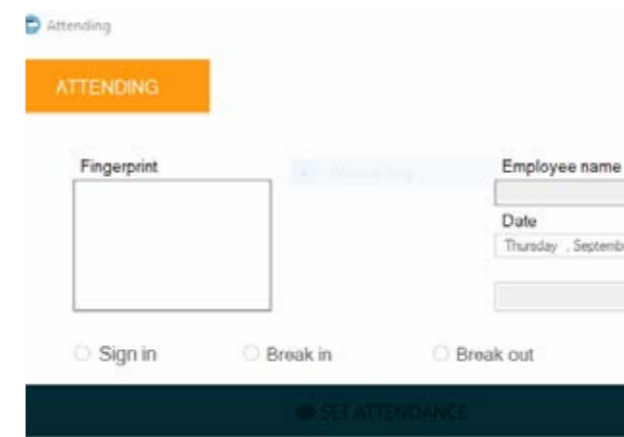


- ✓ Simple to use applications
- ✓ Fully customisable
- ✓ Affordable pricing



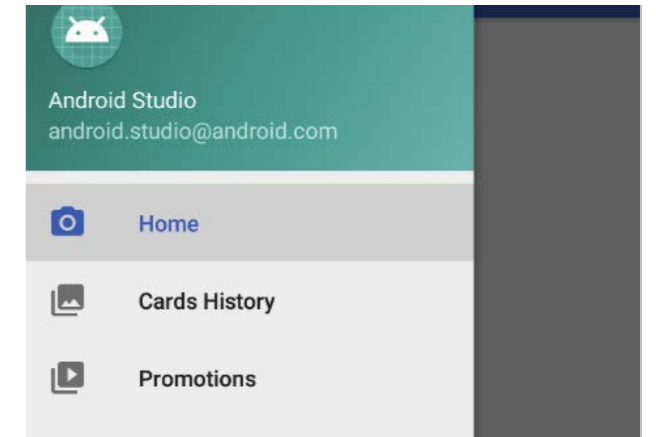
## SmartEncode

Arana Security has developed a SmartEncode application that will make smart card encoding a simple process, with the ability to encode Mifare smart cards and Utilising ODBC layers permits the integration with an assortment of database types, making it simple to query any catalogue. SmartEncode is an easy to use application suitable for everyone and can save your organisation a considerable amount of time and money



## Time Attendance Application

Arana's time-attendance application allows employers to keep track of employees working hours and personnel access increasing the productivity and security of your organisation. We provide a simple to use application.



## Loyalty System

Our Loyalty system uses 4 applications that are connected together:

- Company
- Reseller
- Store manager
- Card holder

Each application is used by a specific group of employees to make the process easier, quicker and reducing the margin of error.



## Closed Payment Application

The closed payment solution allows organisations to provide users with a payment card which they can put credit on. Popular uses for this application include travel cards for transport systems and school meals pre-payment cards.



# FACIAL RECOGNITION

Providing Access Control utilising facial recognition products has become a constantly evolving concept in the security industry. Installed at existing entrance and exit gates or doors, facial recognition enables convenient and secure access to authorized individuals. Facial recognition is a perfect match to your existing surveillance system, enhancing security and/or customer experience in real time.

Recognizing, identifying or verifying a person, through the use of facial recognition software is an efficient solution when high level security and constant accuracy. Assisting to improve service and protect your assets by recognising personnel or potential perpetrators.

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The integration of our application using leading manufactures hardware, delivers a 3D facial recognition systems. Analysing the three-dimensional structure of the user's face, it achieves extremely accurate matching while ensuring high security.



## CCTV SOLUTIONS

Arana Security can offer you high quality CCTV solutions and reliability CCTV surveillance. CCTV is important for the protection of personnel as well as properties. We understand that some industries operate in an environment that changes quickly, and we work with you to ensure you have a solution that is suitable for your organisation.

## MAIN FEATURES

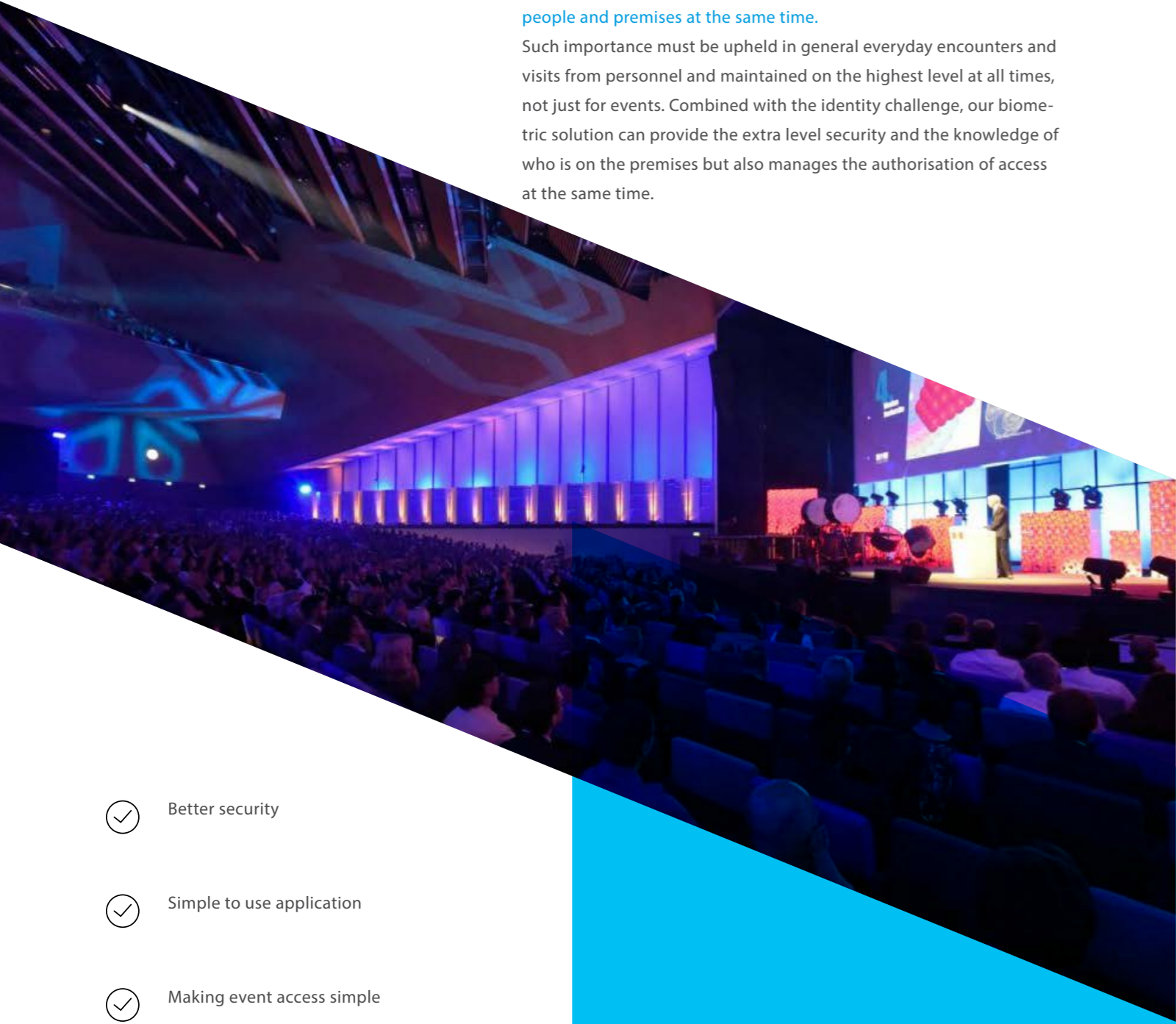
- Need for accessing the video (live/playback) over internet
- Multiple devices with different capability need appropriate user experience.
- g. Web/tablet for HD video and phones for SD video viewing
- Making efficient use of bandwidth
- Streaming H.264 instead of network hungry MJPEG
- Setting up privacy masks in a video (live/recorded or exported)

# Event Management System

Organisations and governments are faced with the challenge of accurately linking a person with their identity. The identification of a person used to be as simple as producing a document with photo of themselves and that was enough, with the evolution of technology, the manufacture of a more secure process came with the introduction of digital biometric identity.

When an event is held where several hundred people will be attending time is of the essence to conduct a security check/authorisation and ensure that such a process is not hindering the security of the people and premises at the same time.

Such importance must be upheld in general everyday encounters and visits from personnel and maintained on the highest level at all times, not just for events. Combined with the identity challenge, our biometric solution can provide the extra level security and the knowledge of who is on the premises but also manages the authorisation of access at the same time.



- ✓ Better security
- ✓ Simple to use application
- ✓ Making event access simple



## CREATING AN EVENT

This will be the managing platform, where the event administrator will be able to create an event, with specific date, start date & time and end Date & time of the event the pass can be made valid for a certain duration.



## ONLINE REGISTRATION

The guests receive the link via email. They will then use the link to register for the event by filling out a form. The online registration form can be accessed via a web browser or via an app on the mobile.



## E-BADGE/BADGE

Once the online form has been filled out and approved, the application will then create an E-badge/Badge with a QR-code to either be printed or downloaded onto a mobile via an app to be presented on the gates for validation.



## ID CHECK & AUTHENTICATION

When presenting at the assigned point of entry, the guest will have already printed or stored their E-Badge. The best way to accurately cross-reference the guest is via photo ID which will also have to match not only the badge presented but the information appearing on the system when the barcode is scanned.



## Get in touch

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