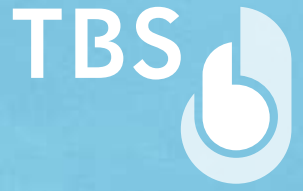


TOUCHLESS BIOMETRIC SYSTEMS

CORPORATE PRESENTATION - Airports



13 April, 2023

TBS VISION AND CORE VALUES

OUR PROMISE TO PARTNERS AND CUSTOMERS

BIOMETRIC SYSTEMS FROM TBS

INTEGRITY

Built on **trust** promoting trustworthy behaviours and driven by security in all aspects

FLEXIBILITY

TBS is easy to do business with, driving the consultative mindset and offers **customizable solutions**

INNOVATION

Be the innovation leader for biometric solutions with **no compromise on security** and quality

TBS is a Swiss private owned multinational company
providing the world's most trusted biometric solutions

TBS MILESTONES

FUELED BY TRAILBAZING INNOVATION



2006

Multi-million grant from US National Institute of Justice for the development of a touchless 10 finger prototype

2010

Entered the commercial Access Control market with the 3D TERMINAL installed at World Economic Forum in Davos

2013

First Time & Attendance installation exceeding 1000 devices at Saudi Air in collaboration with Allegion

2017

Reached 2000+ installations worldwide. TBS readers securely identify 5 million users a day

2019

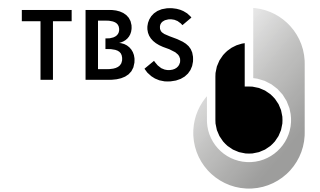
First cloud-based installation with +100 devices in multiple locations managed centrally by TBS BIOMANAGER CLOUD

2022

Introduction of 3D FLY, the world's fastest touchless hand reader offering a true on-the-fly user experience.

OUR APPLICATION EXPERTISE

BIOMETRIC SOLUTIONS ENSURING TRUE IDENTITY



HIGH SECURITY ACCESS CONTROL

Biometrics is the only access control technology that truly identifies the person requesting access to premises or assets. TBS is the global leader in touchless biometric technology, providing solutions that deliver unparalleled access control for high-security environments such as banks and critical infrastructures or services.



WORKFORCE MANAGEMENT

True identity is the first step towards true data. With true data, you can rest assured internal and external workforce management processes and rules are always respected and documented. Our full range of accurate workforce management solutions delivers flexible yet highly secure systems that are a pleasure to use.



TRUSTED

BY WORLD-LEADING CUSTOMERS – 2000+ installations around the World



Enterprise / Corporate



Healthcare



Finance



Industry



Energy



Critical Infrastructure

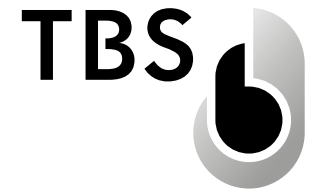


Government & Public



WHY BIOMETRICS

THE KEY TO SECURITY AND CONVENIENCE



EVOLVED SECURITY NEEDS

Today's access control systems are built around networks that intelligently respond upon identification



TRUE IDENTITY ASSURANCE

Neither cards nor PINs or passwords identify the bearer. Only biometrics can perform this task.



USER EXPERIENCE

Your biometric identity is always at hand – can't be lost or forgotten. Identification performed within a second!



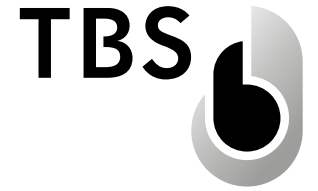
HACK-PROOF

Biometrics such as iris and fingerprint with liveness detection are near impossible to hack with current technology.



Solution on Premises or on the Cloud

Interoperability



On Premise with Biomanager

- Integrated into existing IT landscapes as needed
- Easy to manage multiple locations from one TBS server
- Remote access to all TBS devices for maintenance & updates

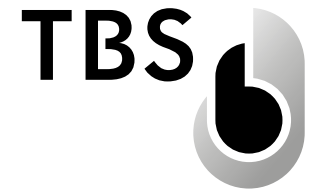
On the Cloud with Biomanager Enterprise

- Operating globally
- Benefit for always up to date software
- No server installation required
- Easy integration with your leading software



Case references

LVNL IN THE NETHERLANDS



Requirement:

Access to sensitive control rooms

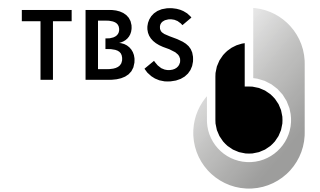
Success factors:

- Robustness of 2D+ Multispectral Fingerprint
- Ease of integration with AEOS
- Fulfilment of highest security standards



Case references

ABU DHABI INTERNATIONAL AIRPORT



Requirement:

Time and Attendance and securing access for airport staff.

Success factors:

- High security with 3D
- No rejections with 3D
- Customised logo and reader front



Case references

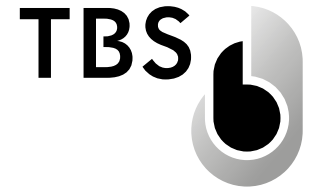
SAUDI AIR

Requirement:

The Hub of Saudi Airlines Headquarters in Jeddah at King Abdulaziz International Airport Hub required an application for access control for its services employees ticketing, and engineering.

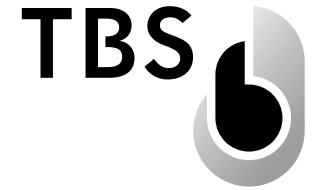
Success factors:

- 700 units of 3DT for over 8500 users
- Seamless integration with Interflex (IF6040) and ERP
- Precision of identification, integration and scalability options



Case references

HAMAD INTERNATIONAL AIRPORT, QATAR



Requirement:

High quality solution & ability to develop the required components to fulfill the integration with Nedap.

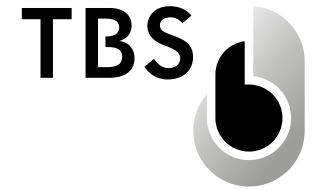
Success factors:

- High security with 2D IRON HEAVY DUTY (65x)
- Card reader integrated in biometric reader
- TBS solution is integrated using REST API
- Installed on dual height pedestals at all access gates
- TBS' track record for high-quality solutions



Case references

Under confidentiality agreement



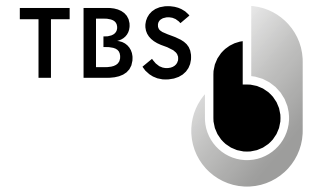
- Bagdad Airport (Iraq)
- Airbus (Middle East)
- Rojal Jet (UAE)
- King Khalid International Airport (Saudi Arabia)
- GCAA (General Civil Aviation Authority UAE)
- Changi Airport (Singapore)



Industry focus - Security

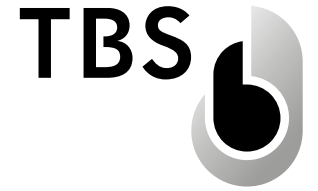
AIRPORTS AND AIRLINES

- High levels of expected security
- Passengers and staff are in constant scrutiny to ensure the safety
- Pressure to deliver critical levels of security without travel disruptions and cost inefficiency
- Key risks: infiltration, impersonation, illegal migrants and terrorism
- Unauthorized access to critical areas requires strict control and correct identification of individuals.
- Critical areas to protect: control rooms, handling areas, airline offices, restaurants, retail halls, lounges and areas covered by service and maintenance.
- Biometric identification will make sure only specifically registered and authorized people will be allowed to enter those areas.



Industry focus - Time and Attendance

AIRPORTS AND AIRLINES

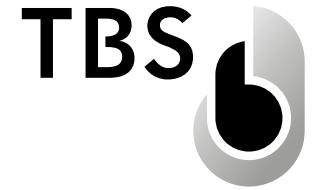


- On the operational side, attendance systems are crucial for an accurate representation of working time
 - People who work at an airport and crew members with their complex
 - Recording time and attendance while taking in consideration time zone shifting, guarantees an accurate representation of the crews' and employees working hours.
- System integrators play a vital role in bring together technology that ensures security and compliance
 - Interoperable hardware and software solutions tailored to the industry
 - Leveraging the power of platforms in control rooms and accurate devices to maximise convenience and safety
 - These integrations combined the power of our best biometric devices within a complete security management solution
 - Integration also include different software such as HR systems, Accountancy systems, ERPs



Airport Solutions

THE KEY TO SECURITY AND CONVENIENCE for Landside and Airside



Critical Infrastructure

Server Rooms
Control Rooms
Control Tower
Engineering Rooms
Hangars



Airport & Airlines employees

Crew
Airline maintenance staff
Ticketing employees
Duty free employees
Maintenance staff



Service Provider Access

Regular provider (ex. Catering)
Post and parcel personnel
Carrying loads
Ground operation staff
Cleaning staff



Security Staff

Account for presence during emergency drills at assembly points. Tracking, tagging and live reporting during security rounds. Task assignment.

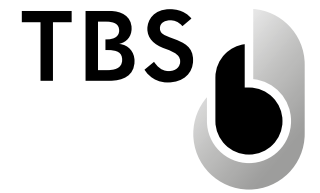


Global Partnerships

WITH LEADING ACCESS & TIME SOLUTIONS

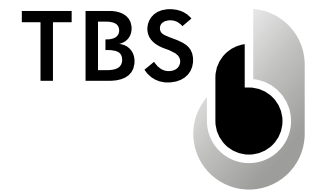


INNOVATION



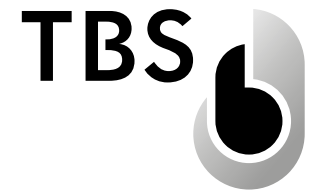
2D TOUCH LINE

ROBUST AND PROVEN FINGERPRINT BIOMETRICS

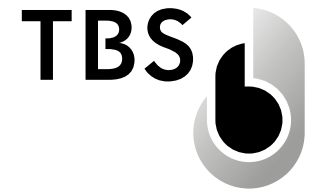


3D TOUCHLESS LINE

TRAILBLAZING INNOVATION IN BIOMETRICS



Customizable devices and user interface



Casing

- White
- Marble
- Gold
- Wood
- Swarovski



Interaction

- User Feedback
- Language
 - English
 - German
 - French
 - Arabic
 - Others possible



Screen

- Images
- Corporate Logos
- Colour scheme
- Time & Date format



Custom T&A buttons

- Remote work
- Holiday
- Meal time
- Break
- Medical leave



Thank you!

Adolfo Deltodesco

Generale Sistemi s.r.l.

TBS-Biometrics Partner Italia and Malta

BIOMETRIC SYSTEMS **FROM TBS**

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