STADIA
& ARENAS

Willkommen
beim BVB!

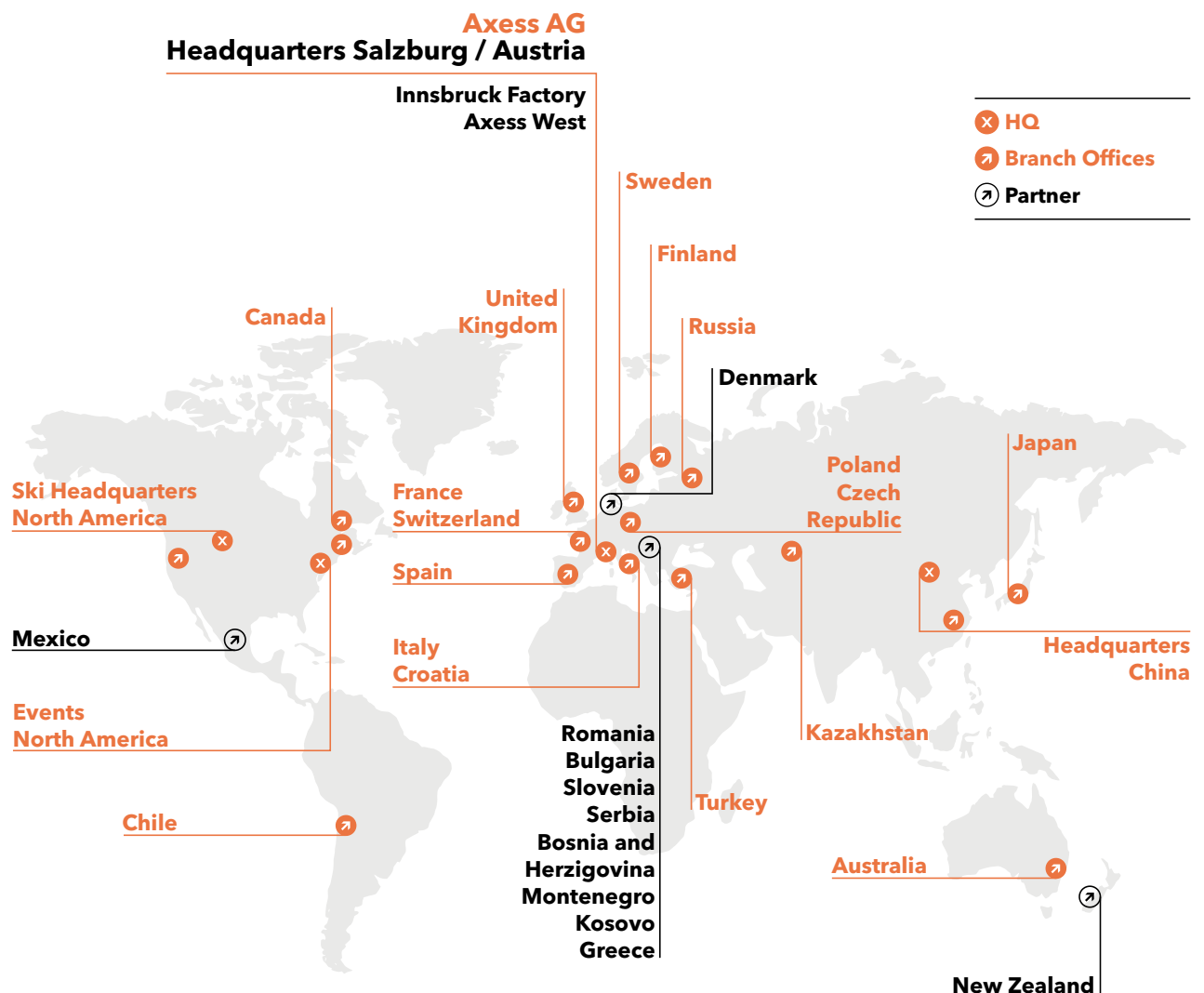Bitte Ticket
hier scannen.

AXESS

Hello! We are Axess.

Axess AG
Cutting-edge technology for stadia

Axess is a leading international company offering complete access solutions for stadia, arenas and event venues. With innovative solutions, Axess makes the controlled flow of visitors at the entrances possible, and creates a solid basis for the evaluation of customer and movement data. Axess systems have been successfully used at several Olympic Games, FIFA, UEFA and WORLD CUP venues. Currently, Axess solutions are installed in more than 140 stadia and arenas around the globe. Axess headquarters with sales, marketing, finance, hardware and software development departments are located in Anif near Salzburg, Austria. All hardware products are produced in its own factory in Innsbruck, Austria. The company's values are based on partnership and collaboration with customers and solution partners. Every day, more than 450 employees are on duty around the world.

Axess AG
Headquarters Salzburg / Austria

Innsbruck Factory
Axess West

Sweden

Finland

United Kingdom

Canada

Russia

Denmark

Japan

Poland
Czech
Republic

Ski Headquarters North America

France
Switzerland

Spain

Mexico

Italy
Croatia

Headquarters China

Events North America

Romania
Bulgaria
Slovenia
Serbia
Bosnia and Herzigovina
Montenegro
Kosovo
Greece

Kazakhstan

Chile

Turkey

Australia

New Zealand

- ⊗ HQ
- ⊿ Branch Offices
- ⊿ Partner

Axess SMART SCANNER 600 NFC
Contactless ticket control

The Axess **SMART SCANNER 600 NFC** was developed for quick, contactless scanning of barcodes, QR codes, RFID and NFC media. Thanks to this device, guests with a valid ticket can enter a venue in seconds. The scanner reads the code, verifies the ticket and triggers the turnstile to open. The visitor can then pass through the gate without having to touch a thing. Sensors detect a person approaching, and after the visitor walks through the turnstile, the sensors trigger the turnstile to close the gate, with the entire process taking seconds. The display provides visitors with information about the validity of their ticket and includes space for video or image advertisements. Even if the system loses connection to the Datacenter, the hardware continues to work in offline mode. Tried-and-tested safety and reliability ensure smooth operations. The **SMART SCANNER 600 NFC** is an integral component of our Smart Gates range, and is also available with a housing for wall mounting, or can be retrofitted into third-party systems.

In short

› Contactless reading of NFC & RFID, 1D/2D & rolling barcode tickets

› 7" display: provide visitors information via text or images

› Acoustic tones and audio announcements

› Contactless access

› Modular concept

› Apple VAS certified

› Google Smart Tab certified

Axess SMART DOOR 600 NFC
Door opener for VIP areas and suites

The Axess **SMART DOOR 600 NFC** is the sophisticated solution for VIP areas, suites and other areas behind locked doors. The scanner reads RFID and NFC tickets, barcodes and QR codes. Regardless of whether the code is found on a smartphone, transponder wrist band, print@home ticket, RFID ticket or another type of paper ticket, it is read in split seconds, validated by the **DATACENTER**, and the door is opened for the guest. The screen can display ticket details, advertising and other information and notes for guests.

In short
- › Axess **SMART SCANNER 600 NFC**
- › Power over Ethernet
- › Direct wall mounting
- › Apple VAS certified
- › Google Smart Tap certified

NFC Reader

7"-LC-Touch-Display
Enables the direct communication of notices, danger alarms, individual greetings individual greetings or an advertising message at the gate

Axess PEDESTAL 600 NFC
Elegant, barrier-free access control

With its individual options, the Axess **PEDESTAL 600 NFC** is the right choice when it comes to barrier-free or wide entrances. The Axess **SMART SCANNER 600 NFC** reads the ticket (barcode, QR, NFC, RFID) within seconds and uses a visual and aural signal to display whether the ticket is valid. Equipped with a battery and WiFi module, it can be placed anywhere and moved to a new location in minutes. The **PEDESTAL 600 NFC** works for up to 10 hours and can be charged during use.

In short

> › Equipped with the Axess **SMART SCANNER 600 NFC**
> › Floor mounting or mobile
> › Battery and WiFi versions available
> › 360° signal light

WiFi and light   **+**

+   **SMART SCANNER 600 NFC**

Axess SMART GATES
Flexible access system with customizable options

The Axess **SMART GATE** features a modular design to meet all the challenges posed at the entrance to a venue. Its design makes it the perfect solution to meet individual requirements and allow for future enhancements. Used as a permanently mounted entrance or as a mobile version with portable pallet, lithium batteries and WiFi module, this gate offers the greatest possible flexibility.

In short

› Axess **SMART SCANNER 600 NFC**

› Modular design for customizable configuration

› 360° signal light

› Lithium battery with up to 10-hour battery life

› WiFi

› Mobile pallet

Smart Access Control Modules
Turnstile

Durable and weatherproof, the Turnstile features a modern design for both indoor and outdoor use. The sensor detects an approaching person and triggers the drive motor to move the arm of the turnstile, letting the visitor pass without having to touch a thing. This design with only two arms makes it even easier to pass through quickly. The arms rotate in both directions, allowing both entry and exit at a single gate. Equipped with the Panic Mechanic Module, the arms drop down automatically to clear the way in case of emergency.

In short

› Contactless entry

› Adjustable opening and closing speed

› Two-directional use allows for entry and exit at a single gate

Turnstile Standard

Turnstile Panic Mechanic

Turnstile Panic Asymmetric

Turnstile ADA

Turnstile Panic Mechanic
Emergency position

Axess SMART TERMINAL 600
Ideal for stadia, events and concerts

The Axess **SMART TERMINAL 600** is an enhanced access solution for stadia, arenas and large-scale events. One or both sides can be equipped with turnstiles or flaps, and can allow entry or exit at a single gate. The newly developed sensor recognizes the direction from which a person approaches and permits entry or exit as required. The opening speed can be adjusted. The **SMART TERMINAL 600** works in both online and offline modes. The ADA version allows for barrier-free access. All versions allow visitors to pass through the gates without contact.

In short

› Two-directional access sensors for direction detection

› Can be used in online and offline modes

› Optional: ADA version for barrier-free access

› Optional: panic opening mode

**Axess
SMART SCANNER 600 NFC**
For entry and exit.

Sensors
Detect from which direction a person approaches.

**Module Turnstile
Panic Mechanic**

Module Glass Flap

AX500 Smart Security Gate
For vandal-proof access

The **AX500 Smart Security Gate** is designed for sensitive security areas and unsupervised access points. This is a secure solution suitable for both stadia and arenas. The durable construction, secure against vandalism, meets the highest security criteria and is, at the same time, optimized for a high flow of visitors. Visual and aural signals reinforce security for guests. Made of weatherproof aluminum, it is also suitable for use in outdoor areas.

The **AX500 Smart Security Gate** is available as a single or double-entry unit and offers free passage in both directions.

In short

› Vandalism-secured construction

› Weatherproof aluminum

› Optimized for high number of visitors

› Each gate can be used for entry and exit

Axess PARKING
Integrated parking management

Car Axess NG ENTRY

The process of entering parking spaces or parking decks needs to be fast. The Car Axess NG GATE issues tickets at an incredible speed and opens in just 1.3 seconds. With the capability to print 2,500 barcode tickets from a single roll, rolls do not need to be constantly refilled. The system uses the Axess **CONTROLLER 600** to recognize customers' smart cards. Credit card holders can use their card to enter, and the amount is settled with the account when they leave. License plate recognition for regular visitors is available as an option and allows for even faster entry. The barrier also has an automatic braking system to protect vehicles.

In short

- › Classic parking management on non-event days
- › Use on game days
- › Read and check barcodes, and NFC and RFID tickets
- › Brake-optimized gate
- › For indoor and outdoor use
- › Optional: license plate recognition
- › Optional: credit card function
- › Offline and online modes

Car Axess NG EXIT

Car Axess NG Exit ensures that tickets are read quickly and vehicles can exit quickly. The integrated Axess **SMART SCANNER 600** module reads and checks barcode tickets or RFID tickets. Users with license plate recognition can leave the parking lot without having to do anything else. A color display and an optional call button with intercom allow users to communicate with the parking control center. With a credit card, the garage can also be used without a ticket – the fee is simply charged to the credit card account upon exit.

+ **Entry**

+ **Gates**
Variable opening and closing times
Different gate versions available
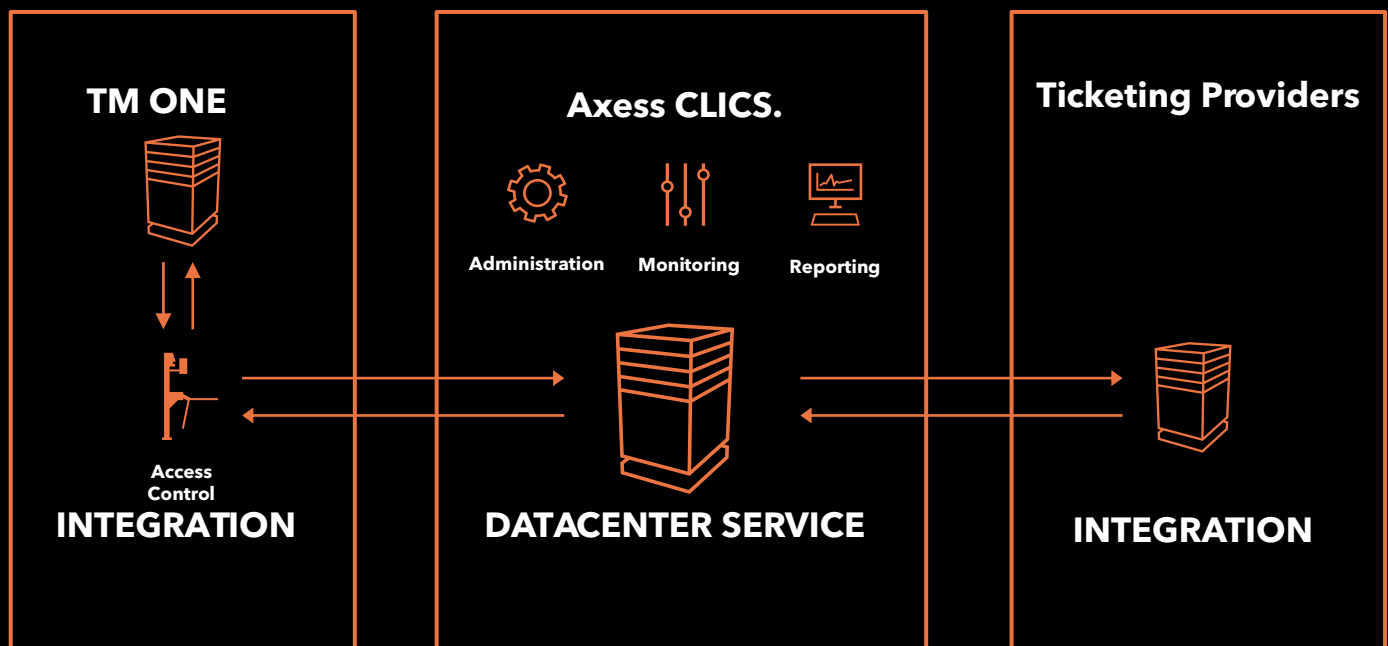Vehicle protection mode

System Architecture

The AXESS system is based on a locally installed datacenter or datacenter service, which is similar to a private cloud. Its operating system is MS Windows Server with an Oracle database in the background. All frontends are directly connected to the Axess DATACENTER via LAN, without an additional hop or PC, reducing the possibility of errors and improving reliability. All readers operate in offline mode even without a connection to the Datacenter, and offer the most important functions even in cases of emergency. All configurations made by the operator are carried out over web interfaces. In user administration, certain rights can be assigned to specific functions and users of the system. The real-time arena monitor is also web-based and offers detailed reports and statistics. With the real-time mode, the actual number of visitors in the arena or each sector can be displayed at any time.

TM ONE

Access Control

INTEGRATION

Axess CLICS.

Administration   Monitoring   Reporting

DATACENTER SERVICE

Ticketing Providers
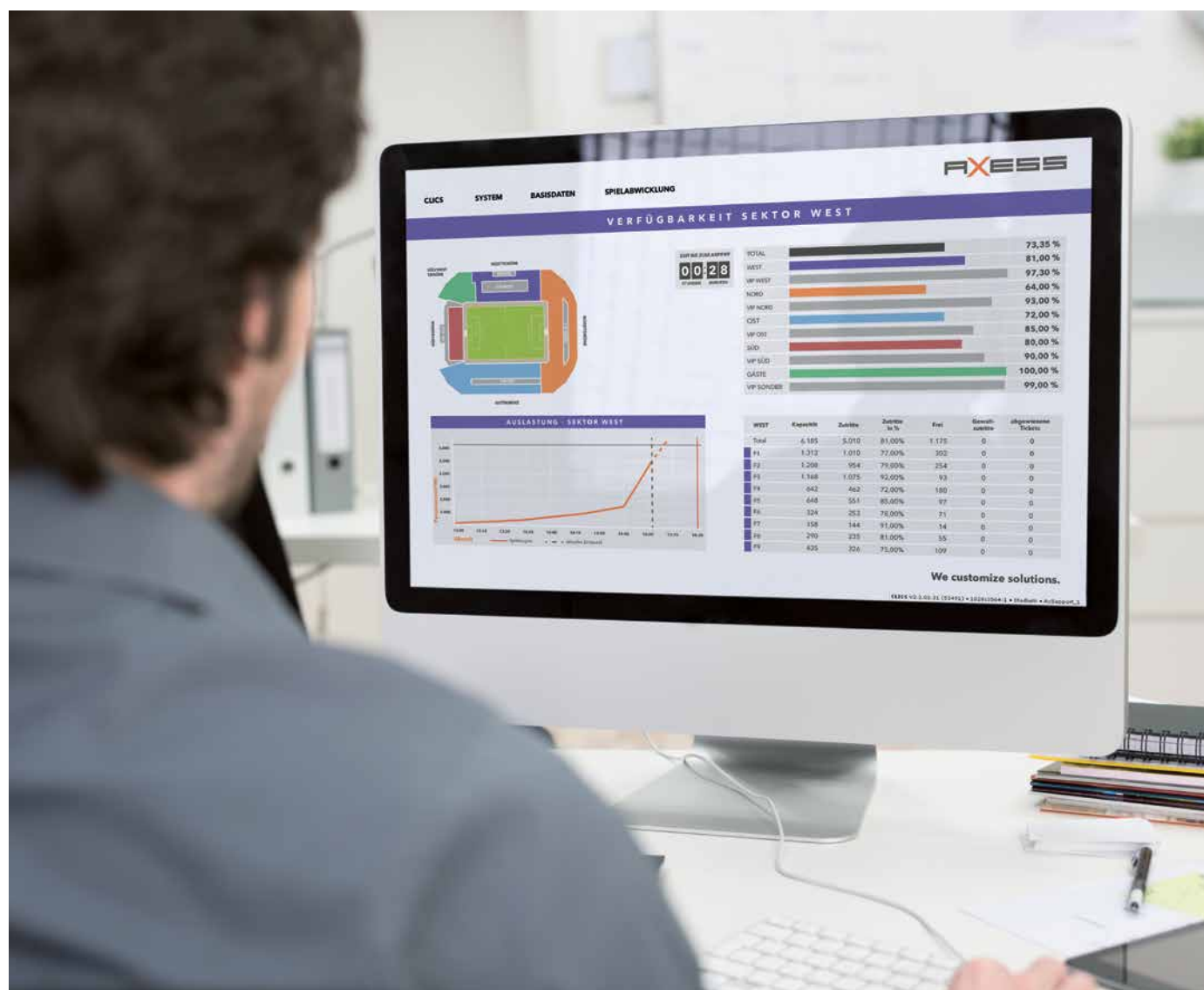
INTEGRATION

Axess CLICS
Reliable software for every situation

Looking for a software tool that can be perfectly tailored to your needs? We've got you covered. Axess CLICS is the solution if your focus is on having an overview and individual requirements when managing a stadium or arena. Settings can be easily changed, additional users can be created at any time, and reports and overviews can be redesigned – all in quick and easy steps and always up-to-date for everyone.

In short

› Implemented in ASP.net, the Microsoft server platform

› Browser-based software

› Secure connection via HTTPS

› Inline documentation & assistants (Wizards)

› Self-organizing log data

› User administration

› Multi-user system

› Individual display design

› Administration software

CLICS
Reporting

With their own filters and formatting options, evaluations can be easily adapted to meet customer requirements. Integrate your own logo and export reports into numerous formats (xlsx, pdf, etc.). Not only can time periods and access locations be configured freely, but they can also be overwritten ad hoc, and updated comparison reports can be created. All configured reports can be saved as a customer report with one click and

submitted to the planner to be sent or saved in the file system. Reports are multilingual and graphics-capable, and access is encrypted via CLICS.

CLICS
Configuration

In short

› User role and assignment of accounts to user roles

› Configure various sales channels and ticket providers

› Event configuration with start and end times, display settings, traffic, light signals, etc.

› Configure gate groups, sector and gate assignments

› Graphic configuration of screen surfaces

› User management with journal function

CLICS
System monitoring / import

Online monitoring is a convenient way to keep an eye on communication in your access control system. With authorized access data, a user logs on to the system regardless of their location and can immediately check the current status of the connected front-end devices. Choose from various user interfaces that provide a quick overview of the entire system. Additional interfaces show detailed access status and other important information about the state of the database and installed system jobs. Distinctive colors show at a glance whether the front-end devices are communicating correctly with the Datacenter and clear signal colors provide warning as soon as intervention is required.

In short

› Online/offline reader status

› Error messages of devices

› OS parameters: CPU utilization, memory utilization, temperature, operating system release, system time, software release, etc.

› HW parameters

› Interface status (online/offline)

› Speed and progress of data transmission

› Tickets sold: tickets transferred (delta matching)

› Sales

› Cancellations

› Transactions

› Transmission errors

› Duration of transmission

CLICS
Visitor monitoring

In short

› Indicator for visitor numbers at various levels of all blocks and sectors

› Indicator for percentage and number of visitors compared to capacity and tickets sold

› Forecast function

› Calculates if visitors arrive at the stadia in time for kick-off

› Status messages about relevant events

› Recognizes if an attempt is made to use a ticket twice

Axess EVENT.ACCREDITATION
Professional accreditation process

Axess **EVENT.ACCREDITATION** allows operators to independently add events and event series to the accreditation portal.
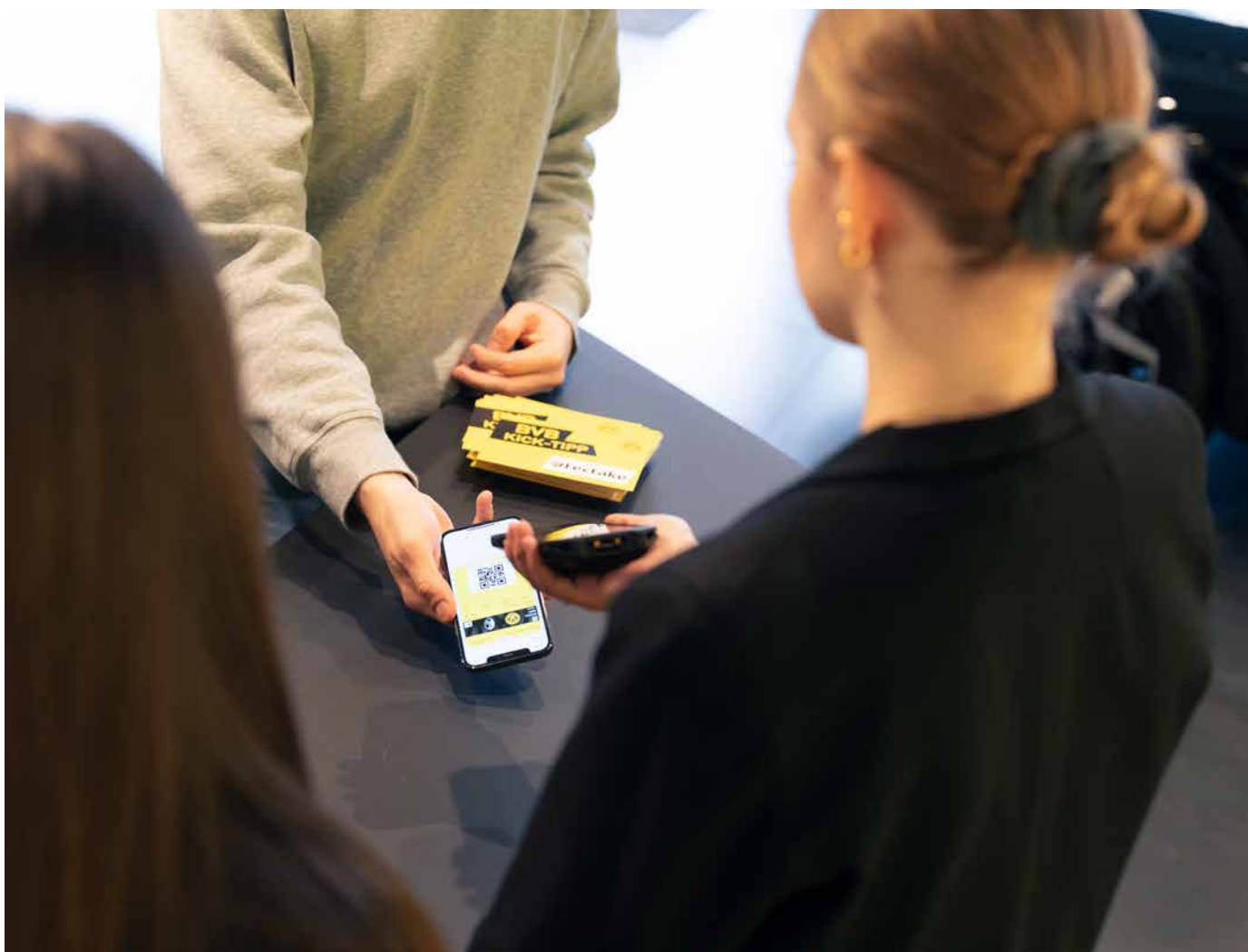
The portal is accessible via a link on the operator's website. There, an account can be created to submit accreditation applications for events. The underlying digitized process, which can be viewed transparently by all users at any time, allows for a quick overview of all accreditations that have been applied for or approved. The operator of the system can either immediately approve the account, or request more information or documents if needed. In the portal, approved companies are able to file accreditation applications for their staff for individual events or series of events such as the Bundesliga season. The system operator manages administrators with different rights who can view, process, confirm or reject applications depending on their area of responsibility. The entire process is digitally mapped, automated and can be viewed at any time. **EVENT. ACCREDITATION** offers a modern solution for non-commercially distributed accreditations, and takes into account the applicable legal situation and data protection guidelines, as well as current IT standards. The focus is on creating a user-friendly solution that replaces previous manual procedures.

In short

› Online administration of press and media reps

› Clearly structured dashboards

› Pre-registration for faster access

› Various types of accreditation

› Online administration of external companies such as the press, media reps, catering, crowd control, scouts

Accreditation Process
System architecture

On site, there are various options to pick up accreditation, check in or gain entrance to the stadia, as well as for verification and troubleshooting.

Receive accredited tickets

Once an application has been approved, there are different ways to obtain the accredited access ticket. Depending on the type of accreditation, this can be done at an entrance with an issuing device such as the Axess **BADGE BOX 600**, at the cash desk, or at another issuing point (PC with printer and internet/network access).

Accredited tickets at entrance

Visual accreditation or tickets can also be issued directly at an entrance. In this case, the holder of the digital accreditation scans their QR code in their wallet, passbook or from their print@ home printout and receives their printed accredited ticket at the **BADGE BOX 600** at the entrance. This ticket or accreditation is printed in black and white and is limited to a maximum size of 4x4 inches. Generally, the accreditation holder receives a lanyard with protective cover so their accreditation can be worn and is visible. If the accreditation is picked up at an entrance or scan column, the ticket is also immediately recorded as checked in to the system.

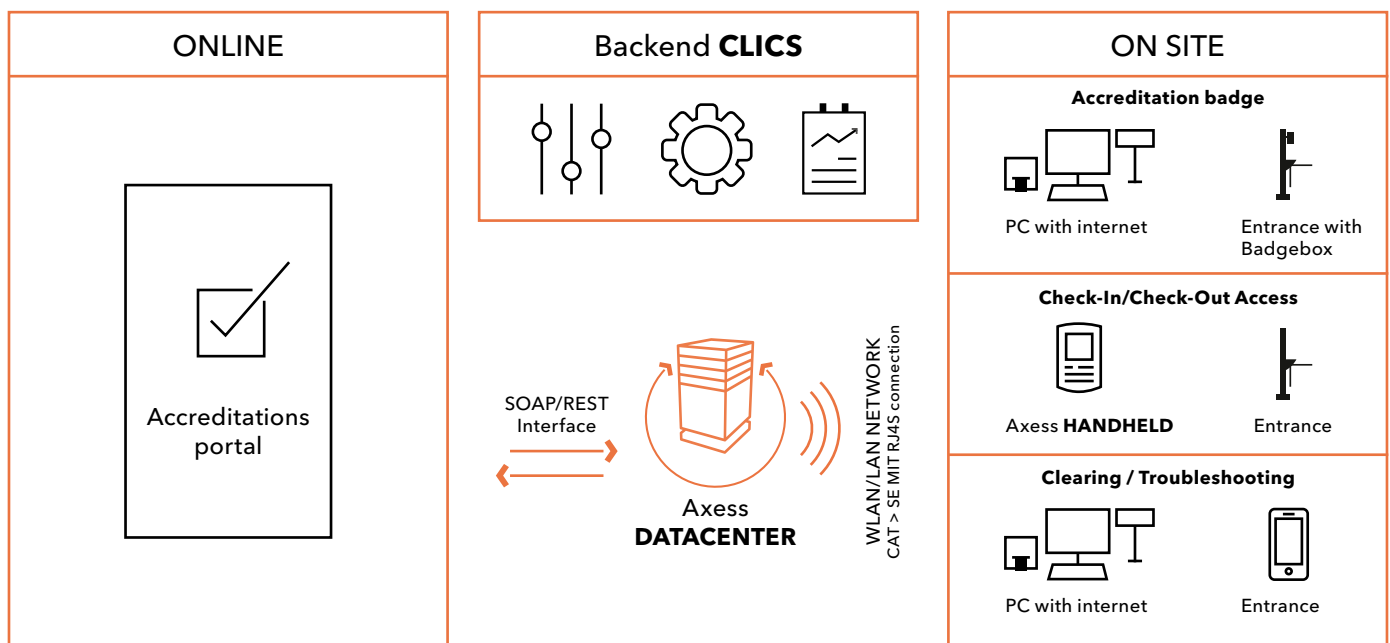### Accredited tickets at an issuing point

Picking up visual accreditation or a ticket at an issuing point is done by scanning the QR code in the wallet, passbook or from a print@home printout. An accreditation printer then produces the ticket.
The staff member at the issuing point can have another look at the accreditation or change it if needed. An internet or network connection to the core system is required. Various printers such as a dye-sublimation printer or laser printer can be used at such issuing points.

Troubleshooting / additional check

In troubleshooting or clearing cases, it is possible to scan accreditations (digital or printed) to check the holder's data, status or other information. An upcoming development step will make it possible to carry out this process with an app on a mobile phone in the future.

ONLINE	Backend **CLICS**	ON SITE

ONLINE: Accreditations portal

Backend CLICS — SOAP/REST Interface — Axess **DATACENTER** — WLAN/LAN NETWORK CAT > SE MIT RJ4S connection

ON SITE:
Accreditation badge
PC with internet — Entrance with Badgebox

Check-In/Check-Out Access
Axess **HANDHELD** — Entrance

Clearing / Troubleshooting
PC with internet — Entrance

Axess BADGE BOX 600
Automated badge printing at the gate

This smart extension for the **AX500 Smart Gate NG** allows badges to be printed directly at a venue's access gate. The registered visitor scans their wallet, smartphone or print@home ticket directly at the access gate scanner. They then receive their personal badge and can pass through the gate. Printing takes seconds and allows instant access.

The printed badge contains all of the registered visitor's information, and the tickets can also be used for visual checks. Visitors arriving for work, e.g. photographers, journalists, etc., can pick up their ticket directly at the entrance to the venue with their online ticket, giving them even quicker entry to events.

In short

› Online booking

› Fast access

› Visual inspection possible

› Badge printed in seconds

› Up to 1,000 badges per roll

BADGE BOX 600

Smart Service
Always at your side

Safe, individual and customer-focused

Axess delivers customized systems. Our aim is to provide the professional support our customers need, in the shortest possible time. We offer support every step of the way, from the initial site visit to final system accep-tance. Our standard support agreement gives customers access to the support team and help desk. Our staff are available to provide any assistance required, and we have international branch offices to provide assistance in the local language. All enquiries are documented and dealt with as quickly as possible. Our team always give their all to provide the best assistance.

PROJEKT-MANAGEMENT

› Site visit

› Consultation and support

› Network planning

› Installation

› On-site support during start up

DATACENTER SERVICE

› Hosting

› Administration and data security

› Modern security standards

› High-quality hardware

TRAINING

› On-site training

› Special training for seasonal teams

› Customized training

HELP DESK

› Help desk

› Support in the local language

› Support in the local time zone

› 22 branch offices world-wide

STADIA
& ARENAS