



MATRIX

Professional Access

The MATRIX access control system is scalable to almost any security requirement and application size. What's more, it can also be used to control doors with ease via a key plan, as well as to map complex security situations such as those found in lift controls, interlocking door management applications or other high-security conditions. MATRIX can be relied upon to manage and control both wireless offline access components and networked online access readers in a straightforward overall system.

MATRIX access control facilitates the efficient management of access authorisations based on fixed access profiles and/or individual authorisations assigned to persons or groups of persons. General modifications can be quickly implemented at a central point via access profiles. Similarly, individual access requirements can also be mapped out through individual authorisations and assigned to individual persons.

MATRIX is fully browser based, meaning installation and maintenance couldn't be easier. Once installed, the system can be accessed by any computer with a browser on the network.

Editing dialogues and data are multilingual. All functions are managed via an ergonomic user interface in line with a standard operating concept.

Protocol evaluations can be shown in detail or selected in lists. The application is designed as a modular system. This means it is possible to develop it to include additional function modules, such as time recording, escape route security systems and so on, at any time.

MATRIX is in a state of constant development, meaning that you can always rely on having the latest future-proof system at all times.

Advantages at a glance

Efficient organisation

- Efficient organisation
- Efficient management of the access authorisations
- Scalable software solution
- Clear overall system

Simple use and application

- Browser-based installation
- Uniform operating concepts
- Multilingual operating concepts

Administration | system set-up

System size

Value ranges up to 9999 possible for all essential system tables (limitations caused by peripherals must be taken into consideration)

Number of badges

Unlimited (depending on the licence level)

User groups/management

As many users with activity protocols as you like; access to all modules and functions can be defined as full or read access; menu adapts dynamically to the rights

Data backup

Automated data back-up and restore functions via the MATRIX user interface at the touch of a button

Staff data

Import or export via CSV files

Data retention time limits

Individual definition of data retention time limits

Assistants

Dialogue-based support for rapid definition of access control components

Service information

As a text file, optimised to be forwarded on to the dormakaba support team for system support

Log files

Option to access the protocols created in the components; retrieval of older entries via the history function; configurable size and log level

Listen

Predefined or dynamic lists can be retrieved, stored as a pdf/csv on a time-controlled basis (daily, weekly, monthly or customised) or sent via email

Device management

Via dormakaba Terminal Manager (DTM); set-up of the components and management via notebook

PIN code

PIN code comprising 1 to 6 digits

Battery for wireless components

The latest battery status for evolo components in all operating modes is transmitted and displayed in MATRIX

Calendar

Access calendar

The basis for access control of persons and door control, including evaluation of special days

Day types and special days

Definition of specific special days in the case of deviations from the normal calendar

Management of people

Staff data set

Staff no.: up to 255 characters, numeric/alphanumeric; key personal data recorded clearly in a single screen; integrated badge and authorisation management; badges can be defined in a separate dialogue

Departments

Assignment of master records to departments and grouping of persons by department name and number

Access management

Badges

Several badges (and also different reading technologies) can be defined for each person; support available for replacement badges; badge no.: up to 25 digits, numeric; flexible authorisation of badges via profiles and individual authorisations

PC readers

Efficient and error-free reading of the badge coding using an optional PC reader

Access profiles

These summarise certain access rights to simplify the process of issuing access authorisations

Individual authorisations

Assignment of additional, individual access rights to a specified profile to simplify how temporary exceptional cases are handled

Weekly access schedules

An access schedule can be assigned for every day of the week. The replacement access programme is automatically implemented on special days

Access programmes

Four time intervals a day for each door where access bookings are permitted

Door management

Door definitions

Door number, door name, room zone and badge reader assignment

Weekly door schedules

Summary of door programmes for weekly schedules with exception rules for special days

Daily door programmes

4 intervals can be specified for each of the following door statuses per day:
1. Booking, 2. Door permanently open, 3. Suppressing the access protocol, 4. Requesting PIN entry in addition to badge booking.

Door status monitoring

Input contacts for controlling and monitoring; option to define unlocking pulse time, permitted free passage time and alarm duration

Key plan

Key plan dialog for straightforward allocation of access rights with a single click

Room zones

Summary of badge readers into room zones; definition of access functions based on room zones

Remote control of manual door opening

The following functions are available: open briefly, permanently open with limitations, permanently open, end permanently open, reader lock and end reader lock.

Security characteristics/functions

- Repeat access lock (anti-passback)
- Dual-use lock
- Control of change of room zones
- Requirements can be implemented in line with DIN EN 60839-11-1
- Length of stay monitoring
- Balancing
- Presence logging
- Interlock control
- Lift control
- Presence table for visualising the presence status of people

Options

Technologies

- Access on Card
- Wireless (online)
- OSS
- Mobile Access

Additional modules

- Alarm management including visualisation on the site plan and control of ONVIF cameras
- List configurator
- Multi-tenant/mult-client capability with separate or shared doors
- Workflow
- Visitor management with pre-booking (including visitor access and search via QR code)
- Contractor employee management
- Room management
- Security guard patrol
- Simple booking entry

Interfaces

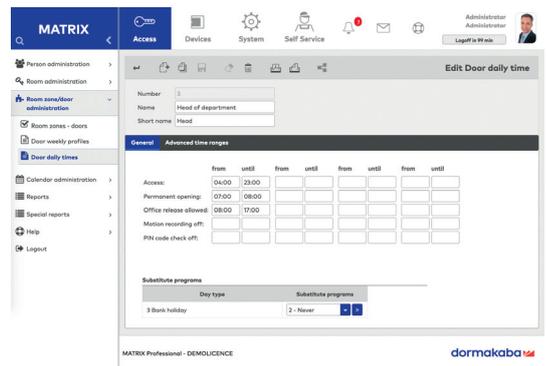
- DIM (dormakaba Integration Manager) for linking to external systems with fixed data structure
- General interface – import/export of data (database/LDAP/file/socket)
- Web service REST interface API
- TMS coupling (door management/escape route)
- Badge issuing system

Management and access profile

Door management

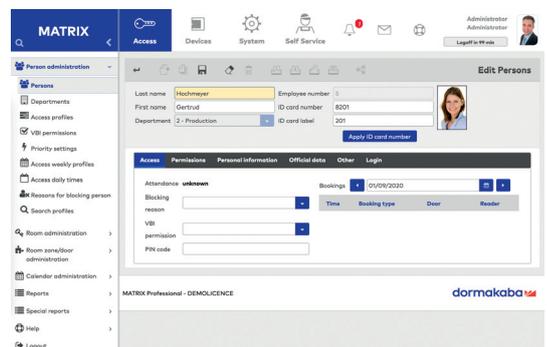
For every door, MATRIX allows you to set time intervals in which only certain actions are permitted, regardless of the staff profile.

Additionally, the door open time monitoring, the door button and the door status contact can be switched off. Four further permanent opening times as well as maximum office opening hours can be defined.



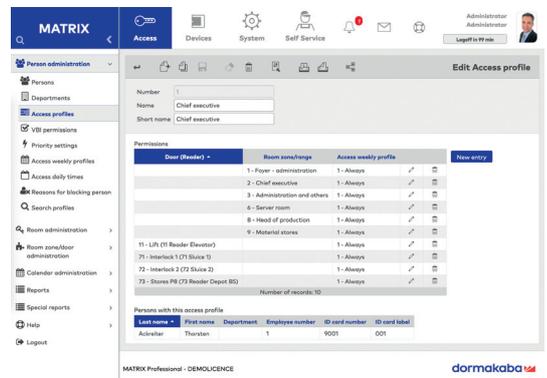
Management of people

Access authorisation defines where and when a person is permitted to pass an access point. With this in mind, authorisations can be issued for individual doors or room zones (door groups). The timing of when a person is permitted to pass through a door is defined within the authorisation based on the weekly access schedules in conjunction with an access calendar.



Access profile

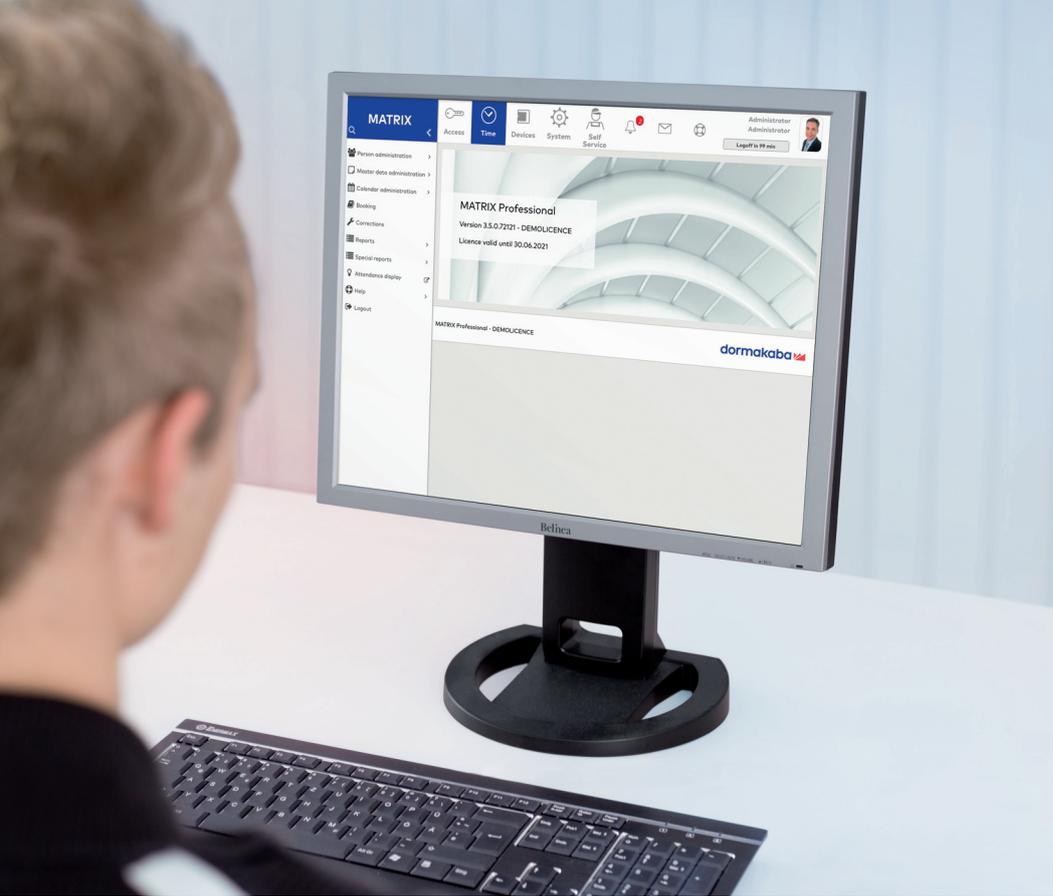
Various people can be assigned an access profile in order to grant them specific accesses. In an access profile, individual doors (or readers) or room zones (door groups) can be defined, as can weekly access schedules, which determine the time conditions.



Technical specifications

- The MATRIX software can be installed on any up-to-date Windows computer. The scope of delivery includes the H2 databases and SQL Server Express.
- An SQL server or Oracle is purchased and installed by the customer.
- Further details can be found in the system requirements.

Any questions? We would be happy to answer any questions you may have.



MATRIX

Professional Time

MATRIX time management is a state-of-the-art software platform for registering and allocating all time bookings made by company employees.

MATRIX is fully browser based, meaning installation and maintenance couldn't be easier. Once installed, the system can be accessed by any computer with a browser on the network. Editing dialogues and data are multilingual. All functions are managed via an ergonomic user interface in line with a standard operating concept.

Time bookings can be registered via time terminals or a MATRIX web booking function as well as with mobile devices. MATRIX also permits a mix here.

Duty rosters together with daily time programmes and break schedules offer a clear description of the employees' working time regulations. All allocation-relevant values are time-delimited. Changes can be entered

at any time for the future and also for the past. The system is fully compatible with retroactive accounting.

Modifications to the time parameters for an individual employee, missing time bookings and absences or authorisations can all be entered efficiently and quickly in MATRIX via a correction screen. Modifications are allocated automatically in the background. Manual time allocations can be initiated at any time. Time data evaluations can be shown in detail or selected in lists. The application is designed as a modular system.

This means it is possible to develop it to include additional function modules, such as access control, escape route security systems and so on, at any time. We continuously develop the system to ensure you are always future-proof and up-to-date.

Advantages at a glance

Efficient organisation

- Individually adapt to company structure
- Freely scalable system with additional function modules

Simple use and application

- Browser-based installation
- Uniform operating concepts
- Multilingual user interface

Track processes at any time:

- System records all time data, time bookings both via time terminals and at workstations
- Evaluations can be shown in detail
- System is fully compatible with retroactive accounting

System

System size

Value ranges up to 9999 possible for all essential system tables (limitations caused by peripherals must be taken into consideration)

Number of badges

Unlimited (depending on the licence level)

Management of people staff data set

- Staff number: up to 255 characters, numeric/alphanumeric
- Key personal data recorded clearly in a single screen
- Management of all allocation-related personal data
- Quick change between the various time data views
- Various holiday accounts

Departments/cost centres

Assignment of master records to departments and cost centres, for the grouping of persons by department name/cost centre name and number

Time

Booking authorisation

Individual definition of who is permitted to make which types of booking at which time terminals

Duty rosters

Assignment of a daily time programme to every day of the week

Daily time programmes

Definition of all allocation-related parameters for a given day: Skeleton time, core time, up to three fixed breaks and a break schedule, max. working time, daily target time, close of business regulation

Break schedules

Any interim breaks; definition of break times depending on the chargeable working time

Allocation rules

Free definition of transfer rules between time accounts

Completions

Free definition of completions by specifying a key date and the repetition rule

Time calendar

- The basis for allocating employees' time
- Can be defined differently for each employee

Day types and special days

- Definition of specific special days in the case of deviations from the normal calendar
- Holiday templates featuring the standard holidays for Germany and the surrounding European countries

Absences

Free definition of absences including definition of the allocation rules; option available to combine these into absence groups to establish the total number of different absences

Workflow

- Workflow for both time and access control
- As many approval steps per workflow as required can be defined
- Can be adjusted to suit a company's organisational structure by means of approval groups
- Stand-in regulation with definition of operational conditions
- Information regarding the applicants available at all times via the current approval status
- Automatic e-mail notification for applicants and approvers

Shift management

- Shift model for two, three and multi-shift operation up to full-account shift operation
- Straightforward shift allocation for each person via shift profiles and shift groups
- Grouping shift plans into shift profiles as a shift group to control shift changes
- Automatic shift change via the shift window depending on the booking
- Automatic return to the planned shift after close of business
- Shift overviews organised by day on an annual and weekly basis
- Corrections made directly in the shift overviews
- Straightforward definition of special shifts

Corrections

- Input of modifications to allocation-related data
- Addition of manual bookings, absences and authorisations

Listen

- Predefined lists to display time data
- Separate definition of lists for staff data
- Data issued in PDF format

Administration

User groups/management

- As many users with activity protocols as you like
- Access to all modules and functions can be defined as full or read access; menu adapts dynamically to the rights

Data backup

Automated data back-up and restore functions via the MATRIX user interface at the touch of a button

Staff data

Import or export via CSV files

Data retention time limits

Individual definition of data retention time limits

Assistants

Dialogue-based support for rapid definition of peripheral components

Service information

As a text file, optimised to be forwarded on to the manufacturer's support team for system support

Log files

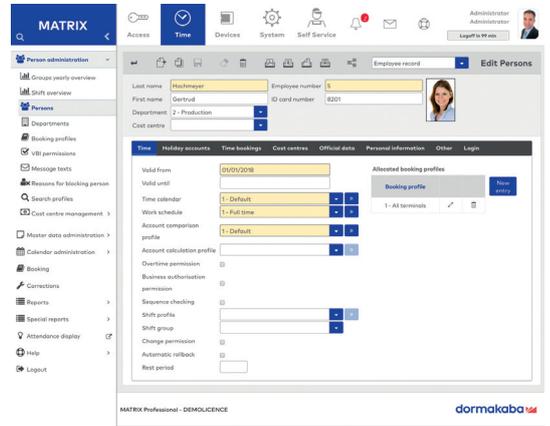
- Option to access the protocols created in the components
- Retrieval of older entries via the history function
- Size of log files and log level freely configurable

Device management

Set-up of all time terminals via the MATRIX dialogue interface and 96/97xx.

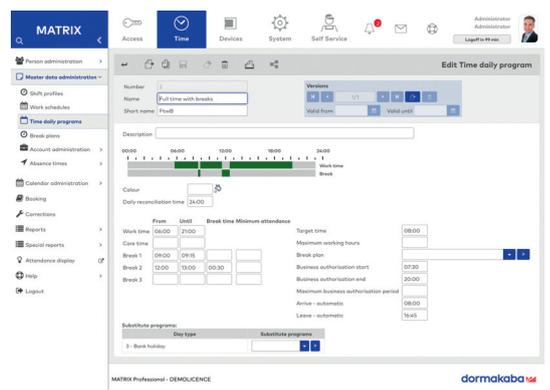
Management of people

Management of people is the central dialogue in the T&A for administration of all time-related data for an employee. The process of switching between different views takes no time at all. Time administrators have an overview of employee data at all times. Modifications can be seen immediately after successful allocation in the background.



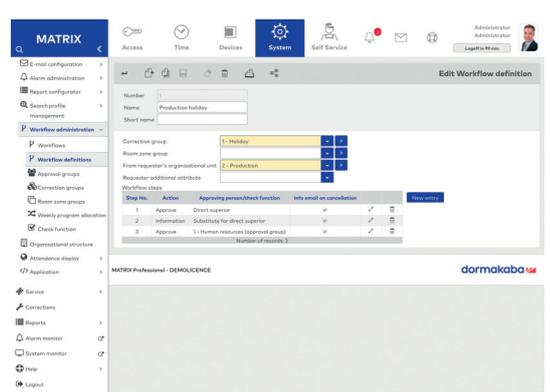
Daily time programmes

Daily time programmes define the working time regulations for a given day and are summarised into weekly programmes in the duty rosters. They can be changed at any time and subjected to a time limit compared to previous versions. Daily time programmes can be used in various working time models.



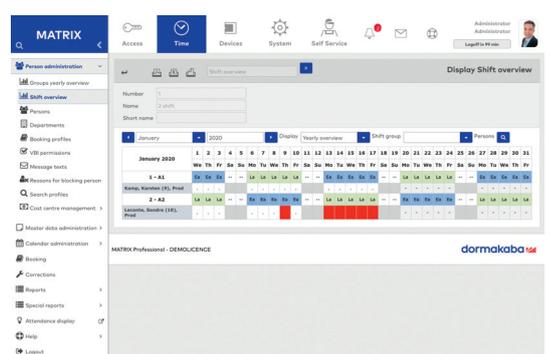
Workflow definition

The MATRIX workflow offers improved operating sequences by including both employees and supervisors in the approval process. Stand-in regulations and overview lists ensure that operations always run smoothly.



Shift overview

MATRIX supports users through lists and dialogues designed with solving problems in mind, even for demanding tasks such as the management of shift plans.



The MATRIX system family is available in various licence packages complete with the appropriate functions and extra options depending on the area of application.

Overview of MATRIX Professional licences

MATRIX Professional Time

- List configurator ¹
- Multi-tenant capability ¹
- Workflow
- Shift management
- Presence display
- Cost centre recording
- Import/export programming interface ¹
- General interface (import/export GUI) ¹
- Predefined payroll interfaces (Loga 2001, PAISY P1P3 CSV, SAP, DATEV payroll and other interfaces) can be configured
- MATRIX Professional Connect for SAP-HR-PDC, and CSV interfaces ²

The licence model of MATRIX Professional Time is based on the number of employees on the system, with the entry-level solution starting at 25 employees

- MATRIX Professional allows for a combination of T&A and access control. The license levels are evaluated separately in terms of time and access. This allows the licenses to match the operational requirements as closely as possible.

Functions that can be integrated with MATRIX Professional Time Access control with Professional Access:

- Access functions according to DIN EN 60839-11-1 (VDE 0830)
- Connection of evolo stand-alone Offline (whitelist), Access on Card and Wireless components
- Lift control
- Interlocks
- Barriers, turnstiles, long-range antennas

The following options are available:

- Visitor management with access via QR code
- Alarm management with site plan and cameras
- Access workflow
- Contractor employee management
- Security guard patrol
- Room management
- Escape route control
- Enabling/disabling of the IDS
- Simple booking entry
- Miscellaneous interfaces (e.g. REST)

Escape route control with dormakaba TMS system – coupling to building management system:

- BIS by Bosch
- WinGuard by Advancis

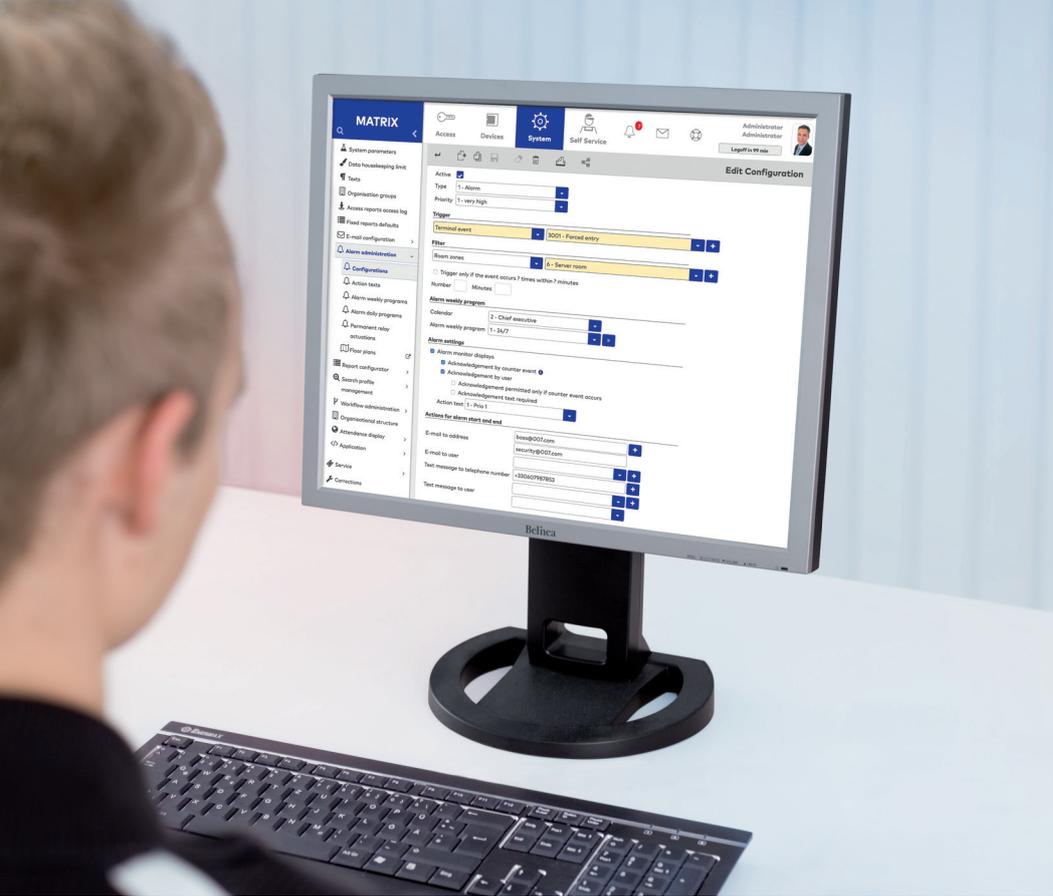
Technical specifications

- The MATRIX software can be installed on any up-to-date Windows computer. The scope of delivery includes the H2 databases and SQL Server Express.
- An SQL server or Oracle is purchased and installed by the customer.
- Further details can be found in the system requirements.

¹ Collective licence, i.e. the licence only has to be purchased once for MATRIX Professional.

² Request required.

Any questions? We would be happy to answer any questions you may have.



MATRIX

Alarm management

The MATRIX alarm monitor visually alerts staff when events occur and provides instructions on how to respond to the alarm.

An access control system or a time recording system is no longer an island in the modern IT environment. Monitoring availability, reacting quickly to alarms or events and checking components should be easy. The MATRIX alarm management system is a browser-based solution, which, in many cases, does away with the need for an external IDS (intruder detection system). The alarm management system is an optional package that can be used with MATRIX Professional Access, Time and Connect.

It processes all events that are generated by the terminal peripherals or by people's booking actions. Incidences such as "Terminal offline", "Door forced open" or a booking with an unauthorised badge can trigger an event that is processed in the alarm monitor. The type of reaction to

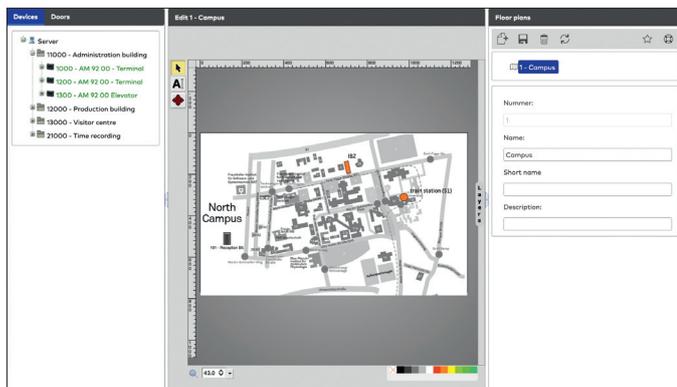
these events can be individually defined. Predefined instructions saved in the **alarm definition** are carried out by staff before they acknowledge the alarm.

Events

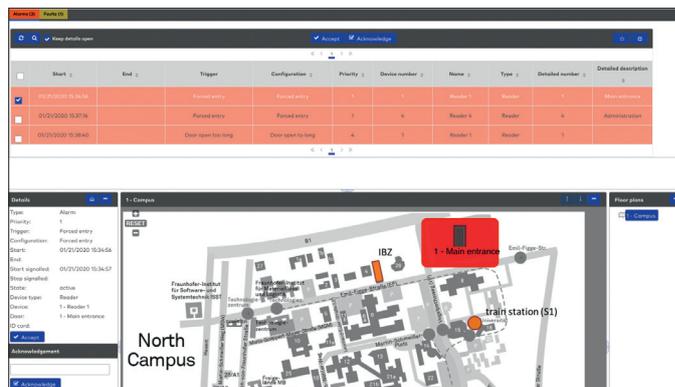
An individual or group configuration can be assigned to each event. In the case of a group configuration, all events in this group are treated in the same way. The event filter can be restricted to terminals or infrastructure nodes in order to specifically assign locations to the alarm management system, for example. For more clarity, events can be grouped into the categories "Alarm" or "Fault". The alarm management system manages site plans on which the alarms are displayed.

Advantages at a glance

- GMA and access control can be operated with a single system
- Better overview thanks to grouping of events



Editing the plan



Alarms in the site plan

Alarm monitor

The alarm monitor is an independent dialog. In the alarm monitor, alarms and faults are colour-coded and are also shown in site plans. This makes it possible to differentiate between alarms and faults. Several events can also be processed together.

When setting up this display, plans can be saved in a hierarchy (e.g. general building plan up to individual rooms) and the alarm-generating components simply added using the drag-and-drop function.

Priority

A priority function with up to 5 levels can be used to sort the output lines in the alarm monitor according to importance. Events that have a counter-event can also be automatically acknowledged (e.g. door open for too long <-> door closed again).

Filter function in the alarm monitor

Events can be filtered for almost all characteristics by means of filter functions in order to specifically control the processing.

Group of people-specific filters

In addition to the location or device-specific filters, there is another selection field which can be used to filter groups of people:

- All (filtered by groups of people only)
- Employees
- Contractor employees
- Visitors

E-mail/text message notification

Events can trigger an e-mail or text message notification.

Time and date-dependent reaction

On the basis of the calendar, weekly plan and daily schedule configuration, the reaction to events can also be controlled depending on the time they occur, e.g. a different reaction on public holidays or a different reaction during the night than during working hours.

Relay circuits

Alarm actions can also trigger relay circuits (one or more relays) in the access managers. Here, too, a reaction dependent on the event and the time of the event is possible via calendars, weekly programs and daily schedules.

Alarm list

The alarm list includes all alarms in the system, including those that have ended or are not displayed in the alarm monitor. A search page and a detail page can be used to carry out a detailed evaluation within data retention limits.

Controls

The doors can be controlled via the site plan.

- Quick release
- Limited permanent opening
- Permanent opening/cancel permanent opening
- Lock/cancel lock

Door status

The door status is indicated in the site plan by an icon. The following statuses are available:

- Door closed, can be passed through with access authorisation
- Door open (e.g. permanently open, desired status, office release activated, manual permanent opening)
- Door locked
- Door status unknown

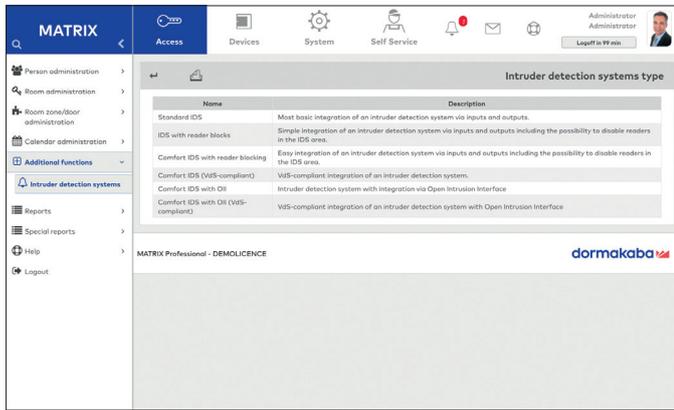
Cameras

Cameras can be configured using the site plan. The camera image can be viewed on a monitor in standby mode or when an alarm occurs. Depending on the camera model, the camera can also be controlled (rotate, zoom etc.)

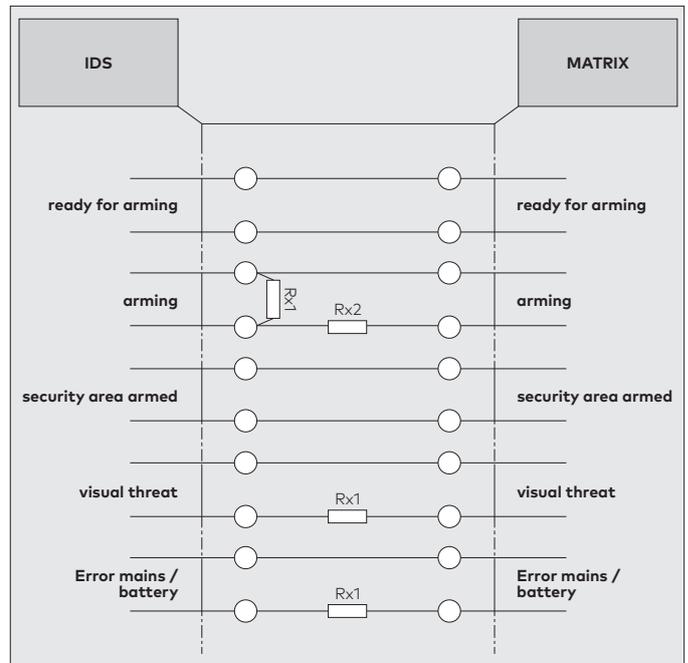
Technical specifications

- The MATRIX software can be installed on any up-to-date Windows computer. The scope of delivery includes the H2 databases and SQL Server Express.
- An SQL server or Oracle is purchased and installed by the customer.
- Further details can be found in the system requirements.

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Dialog with option of IDS connection



Enabling/disabling or the IDS on MATRIX

IDS standard

Inputs and outputs, and a reader, for enabling/disabling the intruder detection system.

IDS with reader locks

Connection of an intruder detection system via inputs and outputs and a reader for the enabling/disabling with the additional option of reader deactivation in the IDS area.

User-friendly IDS with reader locks

The following options are also available:

An area can be armed/disarmed via several readers or armed and disarmed by one reader. A terminal can manage up to four security areas. Configurable display

with reader lock for the reader Configuration lock for the terminal: When an IDS is enabled, changes to the terminal configuration are not allowed. The terminal will not accept commands as long as the IDS is enabled. Configurable IDS enable time. This is the time that is allowed to pass between the command to enable the IDS and the response from the IDS that it is ready to be enabled.

Sabotage monitoring

For arming. None of the sabotage contacts monitored by the terminal should report a sabotage. This also applies to the sabotage contacts of all readers connected to the terminal.

VdS-compliant IDS

In addition to the requirements for the user-friendly IDS: At least two arming ranges. Configuration lock is always active if the IDS is enabled. The reader lock is not displayed by the reader's LED.

The allocation of rights to arm/disarm an intruder detection system is based on the access authorisations and can be allocated for the activation reader on the intruder detection system as well as for every other reader in the access system.

Technical specifications

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MATRIX

Integration Manager

An access control or time recording system must generally be capable of interacting closely with other systems. Staff, building and risk management systems, access controls from third-party providers, and time & attendance systems are common features within an IT infrastructure. The interaction of third-party systems with MATRIX simplifies the administration of all systems, with company pro-

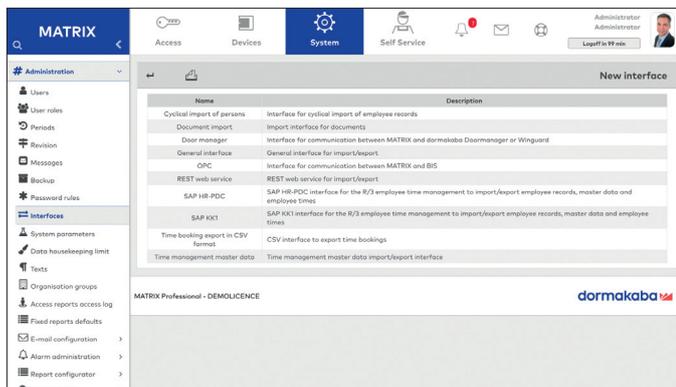
cesses being supported efficiently. dormakaba Integration Manager is a module that can be used to provide a wide range of different interfaces.

As part of this process, MATRIX can run as the host or subordinate system, exchanging data with third-party systems on a periodic or event-based basis.

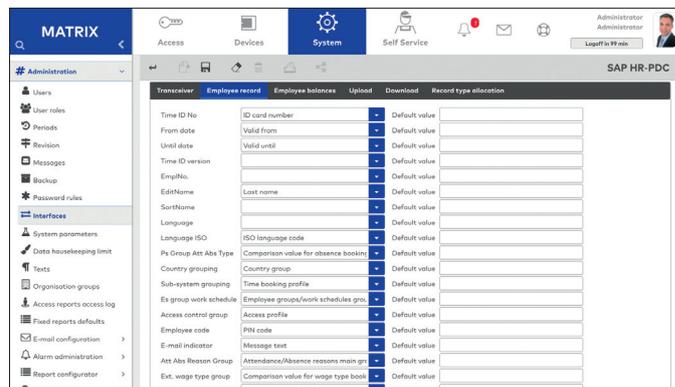
Advantages at a glance

Use existing infrastructure:

- Interaction and integration with external systems through various interfaces
- Various access and time data can be consolidated in a single system
- Individual company processes can be displayed
- Freely scalable data exchange



Interface selection



SAP HR PDC interface configuration

The following function classes are available for MATRIX to interact with other systems:

Common staff data:

Import or export takes place according to a defined structure, whereby – in addition to master data – access authorisations, departments and doors with the corresponding door definitions, etc. can be transferred.

Control commands for the terminal peripherals:

The MATRIX peripherals can be influenced in real time by commands from third-party systems. When it comes to controlling doors, commands such as open, permanently open and end permanently open are available.

Transmitting messages:

All events in MATRIX are transmitted in the form of booking log sets. Security-related information – such as intrusion messages – can also be forwarded on to host systems.

Time & attendance systems:

Time bookings registered with MATRIX Professional Connect can be forwarded on to host time & attendance systems. Time & attendance balances provided in the third-party system are transferred to MATRIX.

The interfaces are preconfigured on a project-specific basis together with the dormakaba project engineering teams and activated in the MATRIX system. This creates interfaces that are perfectly adapted to customer requirements.

External commands

Door actions (by third-party systems commands)

Open, permanently open, end permanently open, put person in room zone, change commands

Data import

Staff data management

Departments, badges, staff master data sets, groups of people

Calendar

Calendar, calendar special days

Door management

Doors, door groups, daily door programmes, weekly door schedules

Access control

Readers, key plans, special days, access programmes, weekly access schedule, access profiles, access authorisations for staff master data set

Time recording

Time balances

Data export

Staff data management

Departments, badges, individual authorisations, staff master data sets

Door management

Doors, daily door programmes, weekly door schedules

Access control

Daily access programmes, weekly access schedules, access profiles

Events

Booking log sets with badge number, booking time with date, booking type, and terminal, door and reader number

Time recording

Time bookings

Interfaces/technology

File system/file

For data exchange with the help of files

Database

For data exchange via direct access to the third-party system database

Socket connection

For data exchange via a socket connection

LDAP

For data exchange via an LDAP server

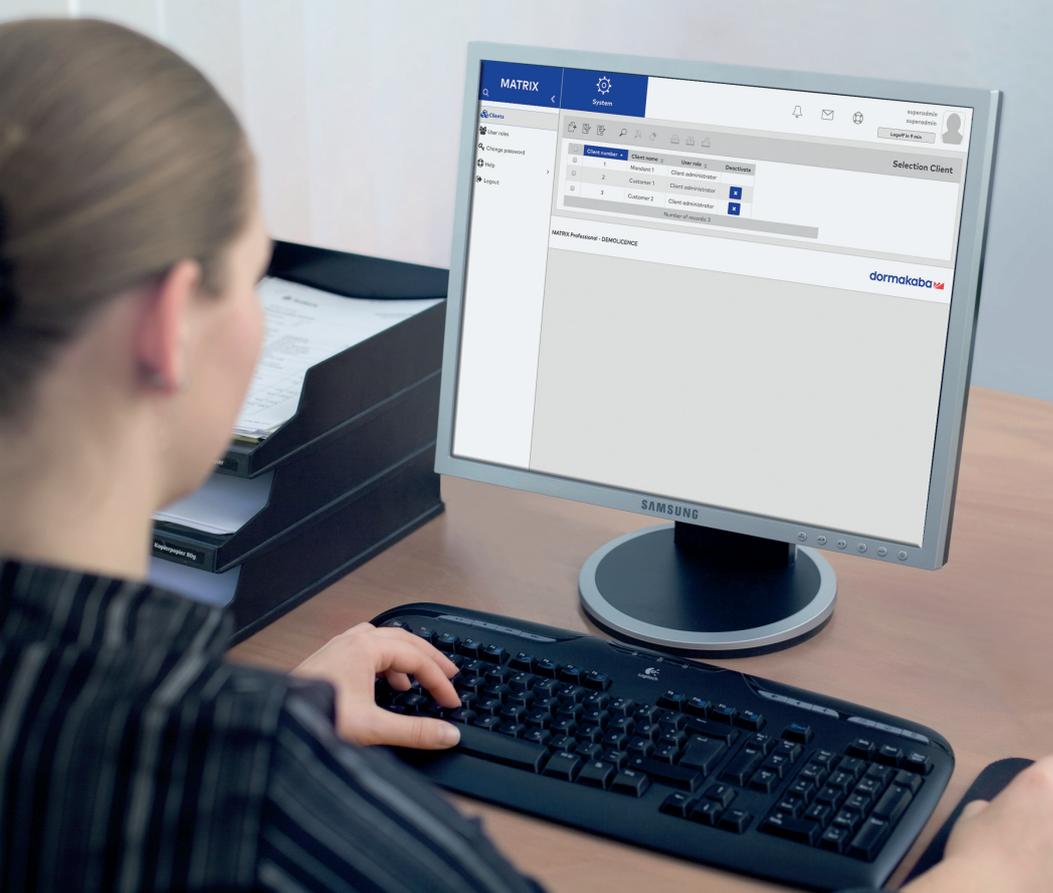
REST web service

For data exchange via the REST-API

Technical specifications

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MATRIX

Multi-tenant capability

The MATRIX multi-tenant capability option enables the use of MATRIX access control by several tenants with their own interfaces.

From a company with several locations or an office complex with different businesses: thanks to multi-tenant capability, every individual sees only what they should see in the system.

If required, the data for other tenants can remain completely private. In MATRIX, tenants can be created, modified or deleted. Each tenant is assigned the maximum level of access rights by the administrator, and every party can be dealt with on an individual basis.

When setting up each tenant for the first time, a tenant administrator with its own password is created, which then has the appropriate management rights within this user. A tenant can also release individual data for other tenants in turn. Door data,

room zones, calendars or holiday templates with read rights can be released for other tenants. This means, for example, that an entrance door to an office complex or access barriers to a car park can be used jointly by all authorised parties. Each tenant can then grant access/entry rights to the employees assigned to them.

The individual tenants have access to all functions and dialogues from the host MATRIX system that are required to manage their areas. This makes it possible to incorporate various security concepts into an overall system, taking data protection aspects into consideration.

MATRIX multi-tenant capability is available as an optional extra from MATRIX Professional.

Advantages at a glance

Efficient organisation

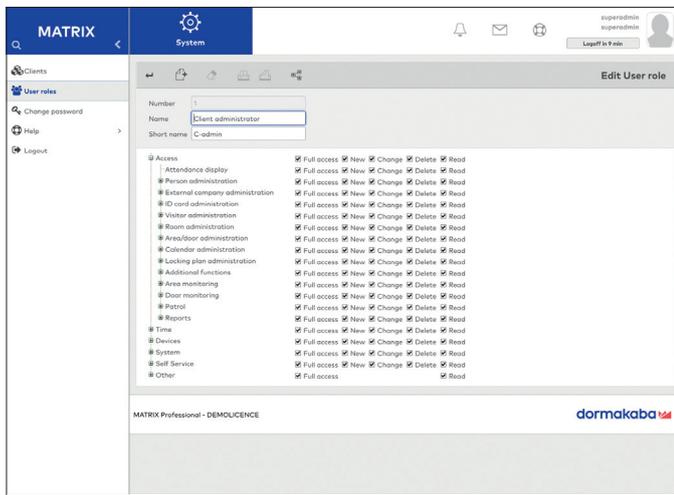
- Customised software available across several locations
- Software can be used in shared offices
- All functions and dialogues from the host MATRIX system are available to tenants

Role-based assignment of rights

- Individual and joint authorisations possible
- Daily functions such as entry/exit of persons, organisational changes or temporary authorisations are performed with minimal effort

Increase safety

- Other tenants' data remains completely private
- Password-protected area for tenant administrators



Edit user role

Administrator

Definition

The administrator manages the overall MATRIX system across all tenants.

Tenant management

Tenants are created and managed by the administrator.

User roles

These define the maximum access rights for the tenant administrator; a separate user role can be defined for each tenant if required.

Tenant

A tenant is a technically self-contained unit with its own data views and tenant administrator. Each tenant has a unique number (1–9999), designation and abbreviation.

Tenant administrator

This is created together with a password when setting up the tenant. The tenant administrator is responsible for managing the tenant system.

Data release

Release of read permissions for shared doors, room zones and holiday templates by the tenant administrator for other tenants.

Data backup

This is carried out by the tenant administrator, with all tenants being backed up.

Users

Definition

These operate the system and maintain master data in various dialogues

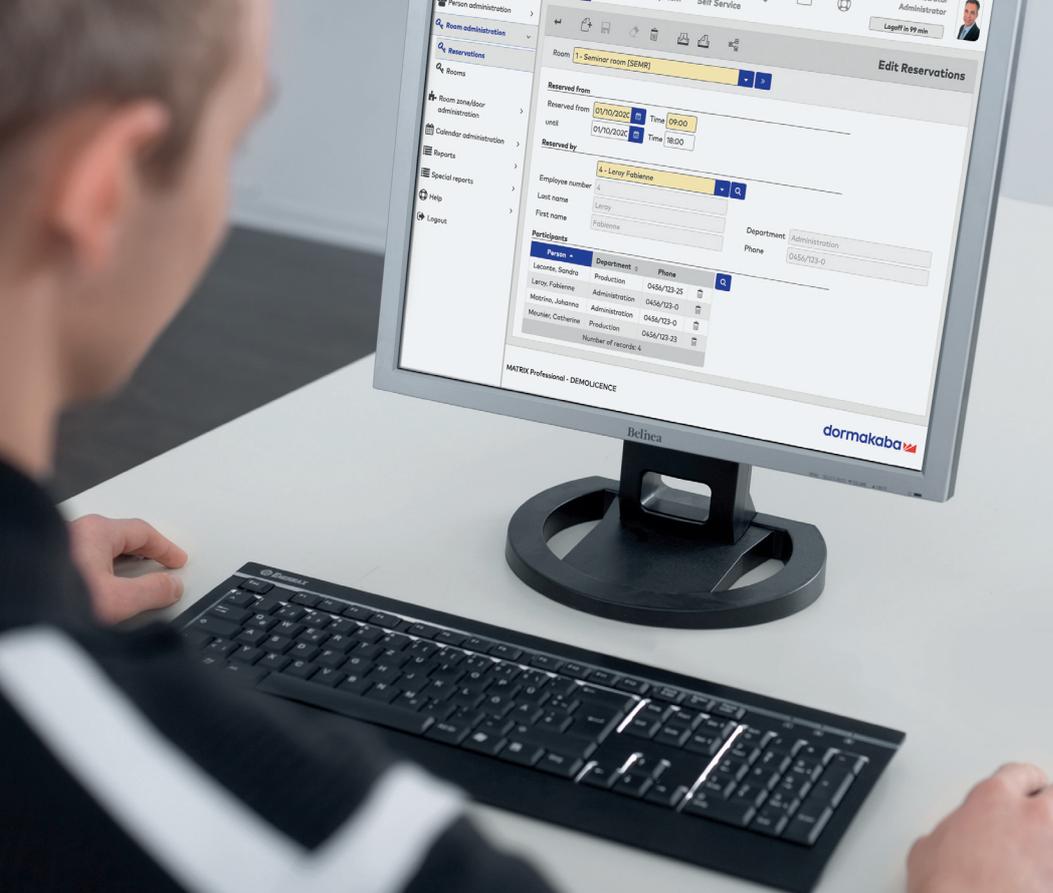
User roles

These define the read and write authorisations for the users.

Technical specifications

- The MATRIX software can be installed on any up-to-date Windows computer. The scope of delivery includes the H2 databases and SQL Server Express.
- An SQL server or Oracle is purchased and installed by the customer.
- Further details can be found in the system requirements.

Any questions? We would be happy to answer any questions you may have.



MATRIX

Room management

The MATRIX room management option facilitates the effective management of rooms used by various employees within the company, such as meeting or training rooms.

The rooms to be managed are created via MATRIX room management. Various doors or room zones can be assigned to each room to be managed.

Rooms can be reserved for future use via the reservation function. This also checks whether a reservation has already been made for the required room and time. If this is the case, MATRIX notifies the user accordingly.

A responsible person is defined for every reservation so that even the administrative office, for example, can organise meetings for other people. Other participants can easily be added to the reservation from the staff list. As soon as the reservation has been saved in MATRIX, all participants automatically also gain access

authorisations for the reserved room for the duration of the appointment.

All room reservations are displayed clearly in a list so that reception, for example, can see at a glance which rooms are currently hosting meetings.

MATRIX room management is a room organisation solution designed to help save time and protect spaces against unauthorised access. It allows a room to remain locked at all times, with access authorisations only provided to employees as required.

Advantages at a glance

Efficient organisation

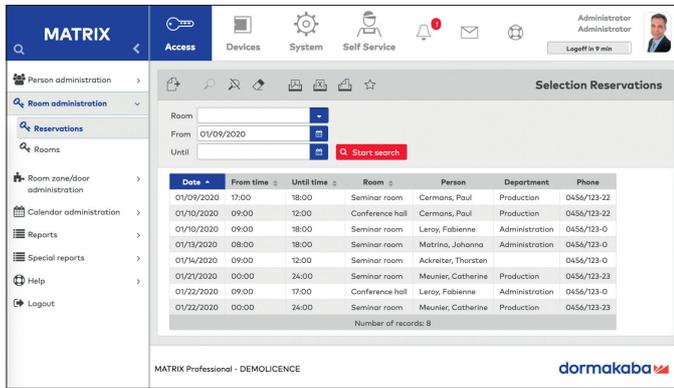
- Can be used by different employees
- Can be used across several locations
- Overview of reserved rooms

Simple, intuitive operation:

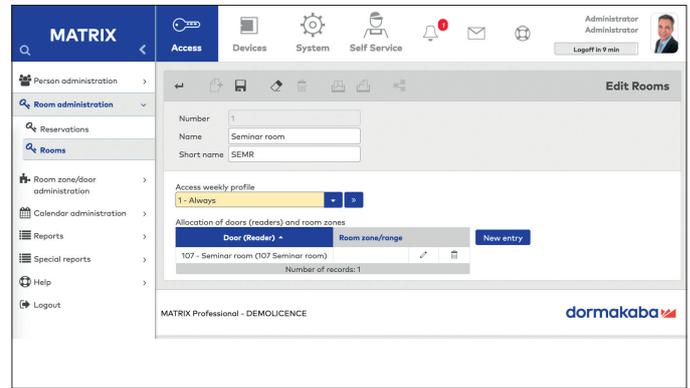
- Only takes a short time to become familiar with
- Intuitive processes

Increase safety

- Protect rooms against unauthorised access
- Individual allocation of access authorisation



List of room reservations



Processing the reservation

Administration

Rooms

999 rooms with designation and abbreviation; the rooms are defined by doors (readers) and/or room zones

Weekly access schedule

Definition of possible access intervals in the case of a reservation

Users

All persons with corresponding rights

Functions

Room reservation

For entering and modifying room reservations including messages in the case of double bookings; persons can be selected from a list

Overview

List of all room reservations with sorting function

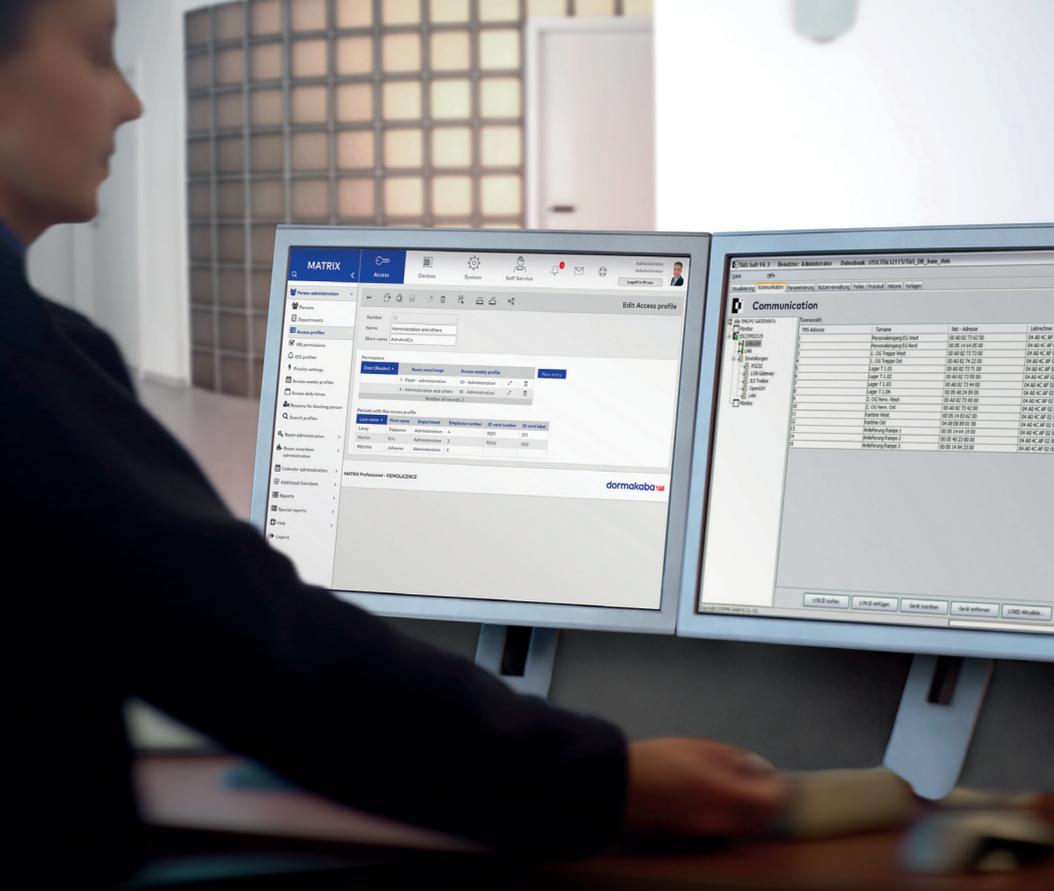
Access authorisations

All invited participants automatically gain access authorisation for the reserved room for the duration of the reservation.

Technical specifications

- The MATRIX software can be installed on any up-to-date Windows computer. The scope of delivery includes the H2 databases and SQL Server Express.
- An SQL server or Oracle is purchased and installed by the customer.
- Further details can be found in the system requirements.

Any questions? We would be happy to answer any questions you may have.



MATRIX TMS – coupling

The MATRIX TMS coupling option incorporates access control and extended door management functions in a single overall system.

MATRIX TMS coupling makes it possible to configure uniform access authorisations for escape route security and door management systems (TMS).

All access-related data, such as staff master data, access rights and calendar-dependent data – for example, access programmes and the calendar – are maintained in MATRIX. The door-management-specific settings are applied in the TMS Soft door management software.

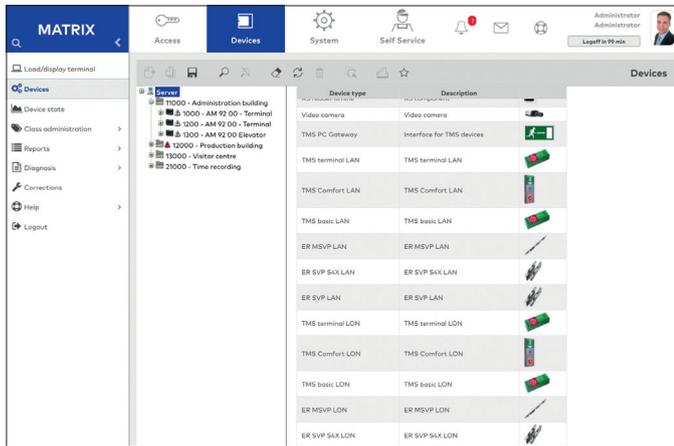
As data is exchanged via the TMS Soft database, this data is only maintained once and made available in both systems.

Thanks to the direct branching options from the access control system into the door management system and vice versa, MATRIX TMS coupling establishes a complex yet exceptionally well-coordinated security system that combines the contrasting tasks of an access control system and an escape route safety system with extended door management functions.

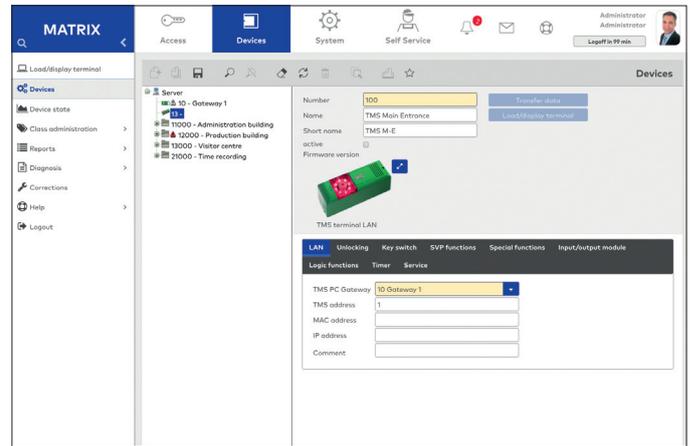
After all, in the event of a hazard, escape route doors offer an evacuation route from the inside out whilst preventing day-to-day misuse of the door – for example, by triggering an alarm in the case of attempted sabotage. At the same time, state-of-the-art access control, with its wide range of usage, control and evaluation options, offers greater security and protects corporate assets.

Advantages at a glance

- Uniform configuration of the access authorisations for door management systems
- TMS and access control can be operated with a system



Setting up TMS devices



TMS Terminal LAN

Administration

Operation

Direct branching from the MATRIX access control system into the TMS Soft door management system and vice versa

Data exchange

System coupling by means of data exchange via TMS Soft database

Device management

Display and configuration of TMS devices both possible in MATRIX

TMS access function

Up to 500 employees/badges for TMS devices; TMS devices are recognised and treated as access readers

Door opening mode

Short-term, long-term and permanent opening settings available

Badges

Badge types specific to TMS Soft (0 badge code, 1 key code and 2 ID code)

Calendar

Access calendar

MATRIX

Paid time off

Paid time off assigned within the weekly schedule; up to 7 day types and replacement programme assignments available

Technical specifications

- The MATRIX software can be installed on any up-to-date Windows computer. The scope of delivery includes the H2 databases and SQL Server Express.
- An SQL server or Oracle is purchased and installed by the customer.
- Further details can be found in the system requirements.

Any questions? We would be happy to answer any questions you may have.