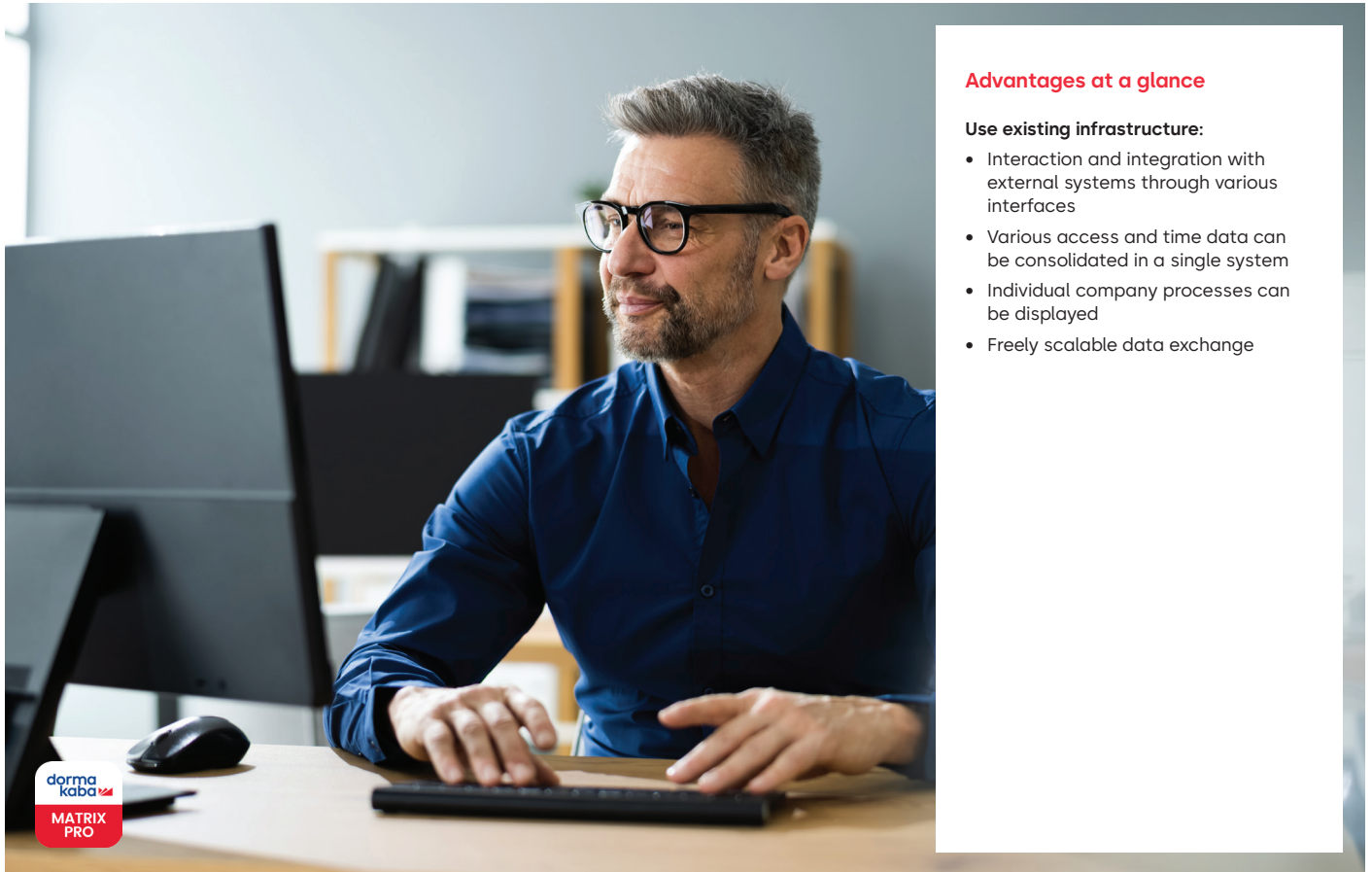# MATRIX
# Integration Manager

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

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 processes 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.

Factsheet
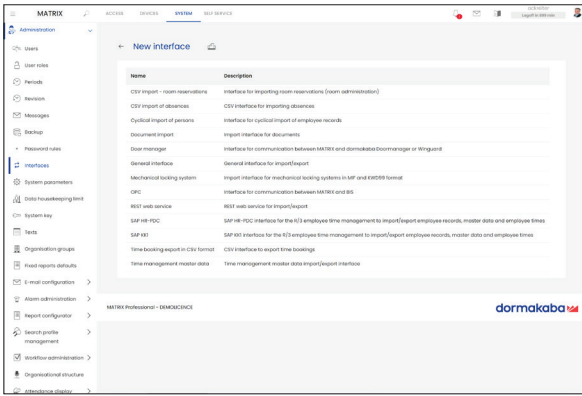
Interface selection
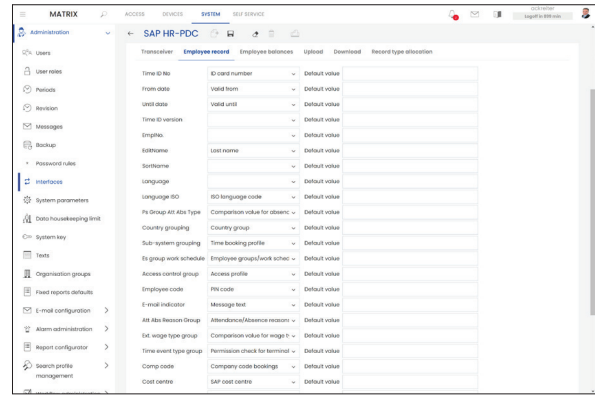
SAP HR PDC interface configuration

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

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.

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