



Security Tech Germany



TECTIQ®

ELECTRONIC ACCESS CONTROL

Simple. Access. Organisation. With the electronic locking system for commercial and public buildings.

SECURITY SINCE 1924

The manufacturer **ABUS** has been setting standards in security and locking technology for over a century and perpetuates the philosophy of providing its users with a **good feeling of security**.

Nowadays, **ABUS** is an established provider of mechanical and electronic locking systems and is recognised as a specialist in the planning and manufacture of high-quality locking systems for commercial and public buildings. Countless properties of all sizes around the world are equipped with a locking system from **ABUS**.

Our revolutionary access control system, **ABUS TECTIQ** offers a wide range of variants for customised building equipment that leaves nothing to be desired when it comes to access organisation.

With Abus TECTIQ you can rely on numerous features, such as:
Certified components made in Germany, state-of-the-art software and planning support from your personal property consultant.

A selection of companies and public institutions that rely on an ABUS locking system:



Vocational school
centre Cham

All-day school Maretsstrasse,
Hamburg

City of Lößnitz in
the Ore Mountains

Freight centre Ingolstadt

PROGRESS WITH TECTIQ



Dear prospective TECTIQ customers, dear ABUS friends,

I am delighted with your interest in our TECTIQ electronic access control system. It doesn't matter whether you want to use the product on a small or large scale, or whether you are a company owner, IT manager or facility manager. We have an exciting solution for you!

ABUS electronic cylinders have been used reliably in thousands of projects since 2009. With TECTIQ, we are continuing our success story and, through intensive development work, have created an innovative platform that will excite you when you use it.

The focus of development is on preserving what is good and finding innovative approaches that make working with access control simple and manageable for everyone.

The result is impressive. With ABUS TECTIQ, you are opting for an absolutely reliable system that is easy to install and low-maintenance. It promises perhaps the most user-friendly software on the market for managing all access points flexibly and efficiently.

And, best of all, TECTIQ can be easily combined with mechanical locking systems from ABUS. This means we always find the ideal solution for your project.

I hope you enjoy discovering ABUS TECTIQ.

Yours, Sven Stuhlmann

CEO 

TECTIQ AT A GLANCE

06 SIMPLE. ACCESS. ORGANISATION.

- 06 WIDE RANGE OF PROPERTY SOLUTIONS
- 08 MANY CHALLENGES. ONE SOLUTION
- 10 THE SYSTEM

12 SYSTEM & TECHNOLOGY

- 12 TECTIQ CARD NETWORK
- 14 APPLICATION SCENARIOS
- 16 SYSTEM DESIGN

18 COMPONENTS

- 18 TECTIQ SOFTWARE ACCESS MANAGER
 - 20 Key plan matrix
 - 22 Dashboard & user management

24 TECTIQ ACCESS CONTROL PANEL

26 TECTIQ DOOR COMPONENTS

- 26 Cylinder
- 30 Fittings
- 34 Wall reader
- 36 Update terminal
- 38 Control & reader units
- 40 Locking media
- 42 Desktop reader
- 44 Programming tools

46 CONSULTING & PLANNING

- 46 HYBRID LOCKING SYSTEMS
- 48 ABUS PROJECT SUPPORT & MISSION STATEMENT
- 50 YOUR CONTACT TO TECTIQ

WIDE RANGE OF PROPERTY SOLUTIONS

YOUR BUILDING. OUR SOLUTION.

TECTIQ is a versatile access control system that is a cost-effective, future-proof solution for any building. The high level of flexibility and scalability in particular makes TECTIQ the ideal solution for commercial and public premises of almost any size.



COMPANIES

- Commercial properties of any size
- Office & administration
- Production facilities
- Logistics centres & warehouses
- Insurance companies
- Banks & financial institutions
- Manufacturers & suppliers
- Service providers & agencies

TOWNS & MUNICIPALITIES

- Town halls & community centres
- Offices & authorities
- Fire brigades & appliance rooms
- Schools & kindergartens
- Sports & leisure centres
- Building yards
- Emergency & temporary accommodation
- Places of remembrance & memorials

HEALTHCARE

- Welfare organisations
- Surgery & medical centres
- Hospitals
- Rescue services
- Laboratories & research centres
- Nursing & retirement homes
- Support centres
- Rehab & health clinics

CULTURE & LEISURE

- Cinemas
- Discos & nightclubs
- Theatres & opera houses
- Museums & collections
- City halls & events
- Sports stadiums & arenas
- Clubhouses
- Exhibition centres & halls

BRANCH OPERATIONS

- Retail stores & discounters
- System catering
- Clothing retailers
- Furniture stores
- Local stores
- Wholesale companies
- Speciality markets
- Car dealers

FEDERAL & STATE GOVERNMENTS

- Federal & state ministries
- Courts & justice administration
- Police stations & offices
- Railway depots & operating sites
- Customs authorities
- Embassies
- Penal institutions
- Technical relief organisation

SIMPLE. ACCESS. ORGANISATION.

MANY CHALLENGES. ONE SOLUTION.

Several factors play a role in the choice of your locking system. As an all-in-one solution, TECTIQ offers you more efficient processes, greater security and lower long-term costs.



OVERVIEW INSTEAD OF CHAOS IN KEY MANAGEMENT

Protection of property and valuables, assets, data and company secrets by determining who has access when and where



NO HASSLE IN THE EVENT OF LOST KEYS & STAFF CHANGES

Immediate blocking of persons and key permissions at the click of a mouse if the locking medium is lost or employees leave the company



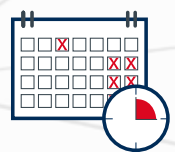
ALL BUILDINGS IN ONE SOFTWARE

Many locations, one system: decentralised properties can be integrated into the access control system at any time without VPN and without additional hardware – securely and highly encrypted



NOT ON SITE AS ADMINISTRATOR?

Worldwide software access to the key plan and securely encrypt all access points from an external location



CHANGE & UPDATE PERMISSIONS AT ANY TIME

Convenient adaptation of existing access permissions when the locking system is changed or extended – at any time by just pressing a button in the digital key plan



MANAGEMENT OF ACCESS RIGHTS WITHOUT WASTING TIME

Maximum flexibility in the creation of persons and key permissions and when mapping your access and organisational structure



ISSUE DIGITAL KEYS WITH A VALIDITY DATE

Locking media with fixed validity for efficient, automatic security so that visitors, suppliers and maintenance personnel only have short-term access



COMPLETE EVENT LOGGING: WHO? WHEN? WHERE?

Better control and traceability through logging of all system and person-related access events – with data-protected access



MANY DOORS, LITTLE EFFORT & LOW INSTALLATION COSTS

Easy installation of the door components at any location, flexible and without additional cabling



ADMISSION ONLY FOR THOSE WHO ARE ENTITLED TO ENTER

No illegal key copies thanks to readout-protected RFID locking media with high protection against manipulation and copying



SIMPLE PLANNING FOR THE WHOLE YEAR

The digital schedule regulates access individually for each user or user group; special days can also be taken into account



NO SECURITY RISK DUE TO LOST KEYS

The validity of the transponders expires automatically after the update period has elapsed; transponders that turn up later remain locked out

TECTIQ THE SYSTEM

MORE THAN THE SUM OF ITS PARTS

ABUS TECTIQ is the electronic locking and access control system as a comprehensive all-in-one solution for efficient access control. As a data-on-card system, it enables all doors to be fitted with wirelessly integrated door components.

PAGE 34
WALL READER
CONTROL OF ELECTRONIC
DOOR OPENERS, BARRIERS & GATES

PAGE 36
UPDATE TERMINAL
OPENS DOORS & VALIDATES THE
LOCKING MEDIA OF ALL USERS



PAGE 26
DOOR CYLINDER:
ROBUST & FLEXIBLE USE



PAGE 44
PROGRAMMING TOOLS
STRAIGHTFORWARD,
FAST SET-UP



PAGE 24
ACCESS CONTROL PANEL:
SYSTEM CONTROL PANEL WITH INTEGRATED
SOFTWARE AND LOCAL DATABASE



PAGE 30
DOOR FITTING:
SECURITY & HIGH COMFORT IN A WIDE RANGE OF DESIGN
VARIANTS



PAGE 40
RFID LOCKING MEDIA
WITH CARDS & TRANSPONDER TAGS



PAGE 46
HYBRID LOCKING SYSTEMS
FULL CHANGEOVER OR STEP-BY-STEP



TECTIQ CARD NETWORK

FOCUS ON THE LOCKING MEDIUM – THIS HOW IT WORKS

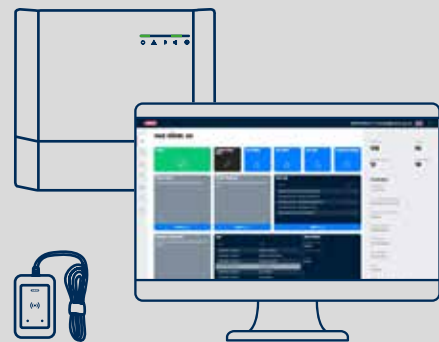
In the TECTIQ Card Network, the locking medium is at the heart of the system. The access authorisations are stored on it. If an access authorisation needs to be amended, it is communicated to the locking medium via update terminals or a desktop reader; it is not necessary to update the door component.

Ideally, the locking media are actualised via update terminals that are installed at central access points and have the current key permissions for updating. The integrated control unit opens motorised locks, electronic door openers and barriers and simultaneously grants access to the building. This means that the update is carried out unnoticed upon entering the building.

In addition, when the locking media are presented at the offline door components, important pieces of information such as access events and battery warnings, are stored on the transponder and transferred to the system and displayed in the software when the update terminal is used. This means you are always well informed.

To ensure that all locking media are updated regularly and a high level of security is maintained, it is recommended that the validity of access authorisation is limited in time. The validity is then updated at the update terminals, e.g. for a further 12 hours.

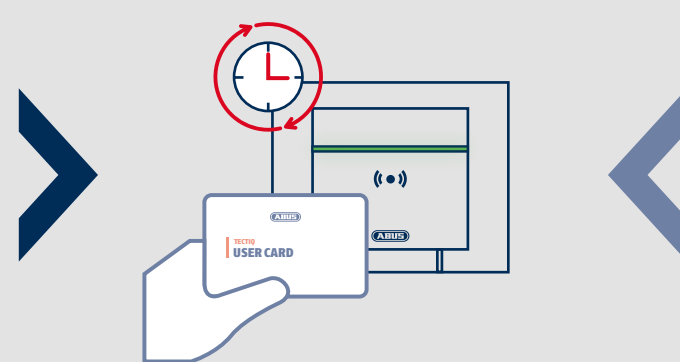
The update terminal is integrated into the network and connected to the access control panel. All other components such as cylinders and fittings are battery-operated and require no wiring.



TECTIQ
SOFTWARE

Software synchronised with update terminals

- Update key plan
- Assign and change user and key permissions
- Transfer back information on events (logs) via locking media
- Manage validity of locking media (validation)



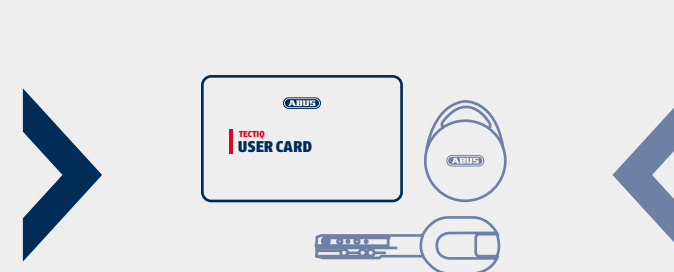
TECTIQ
UPDATE TERMINAL

Update terminals transfer data to locking media

- Update key permissions
- Extend the validity of issued permissions (e.g. by a further 12-hour cycle)

Locking media transfer information back to software via update terminals

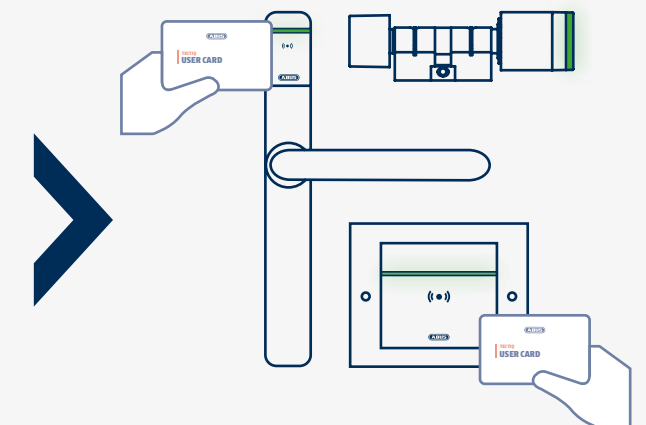
- Access events (logs)
- Battery/system warnings



TECTIQ
LOCKING MEDIA

Locking media store data (Data-on-Card)

- User and key permissions including schedules and blocking days
- Validity data
- Access events and battery warnings for used doors



TECTIQ
DOOR COMPONENTS

Door components check locking media

- Authorised persons are granted access

Door components transmit to locking media

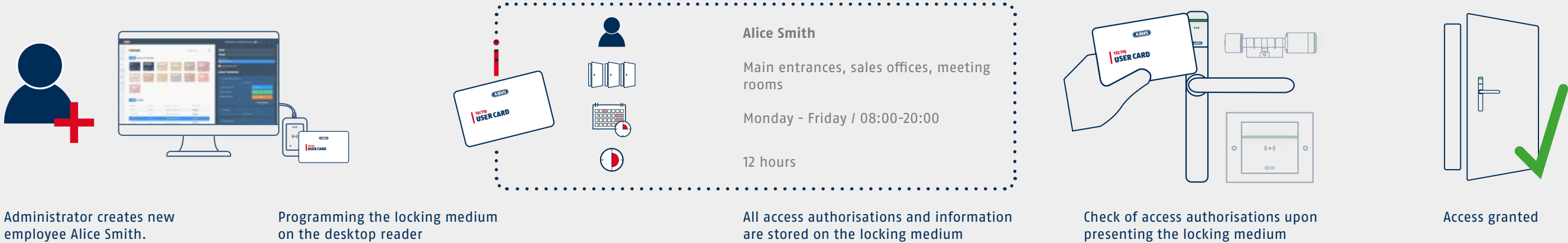
- Access events (logs)
- Battery/system warnings

TECTIQ IN USE

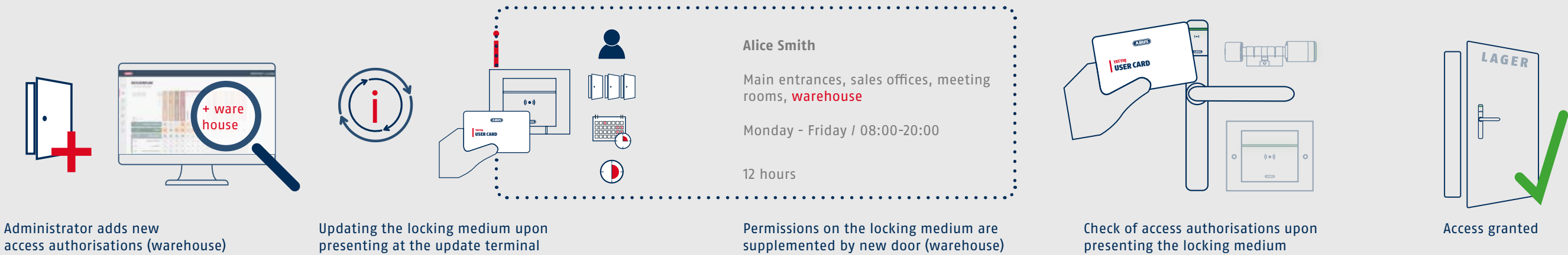
ALL TASKS COMPLETED EFFICIENTLY

Time, money, security: in day-to-day business, it is important to carry out processes with the locking system quickly and efficiently. The TECTIQ Card Network makes it easier than ever for administrators to perform their everyday tasks (examples 1 and 2) quickly, correctly and in an understandable way. It reacts flexibly and quickly to critical incidents (example 3) in order to avoid security vulnerabilities.

EXAMPLE 1 NEW EMPLOYEE



EXAMPLE 2 NEW ACCESS AUTHORISATION



EXAMPLE 3 LOSS OF LOCKING MEDIUM

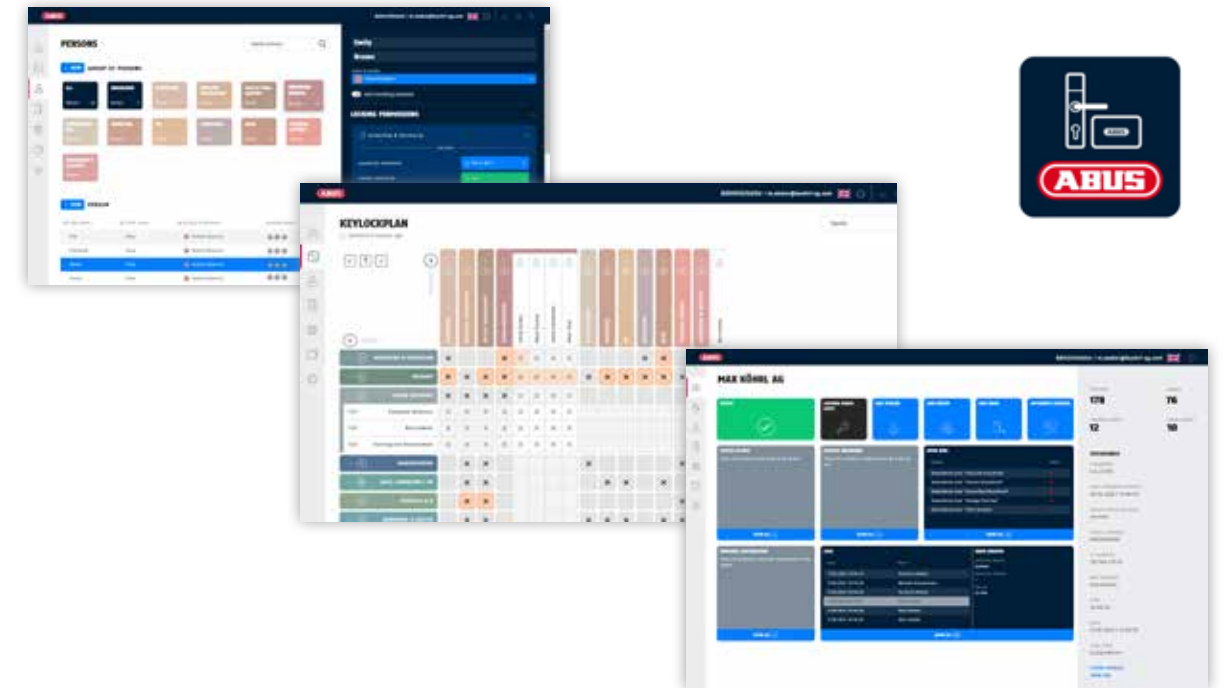
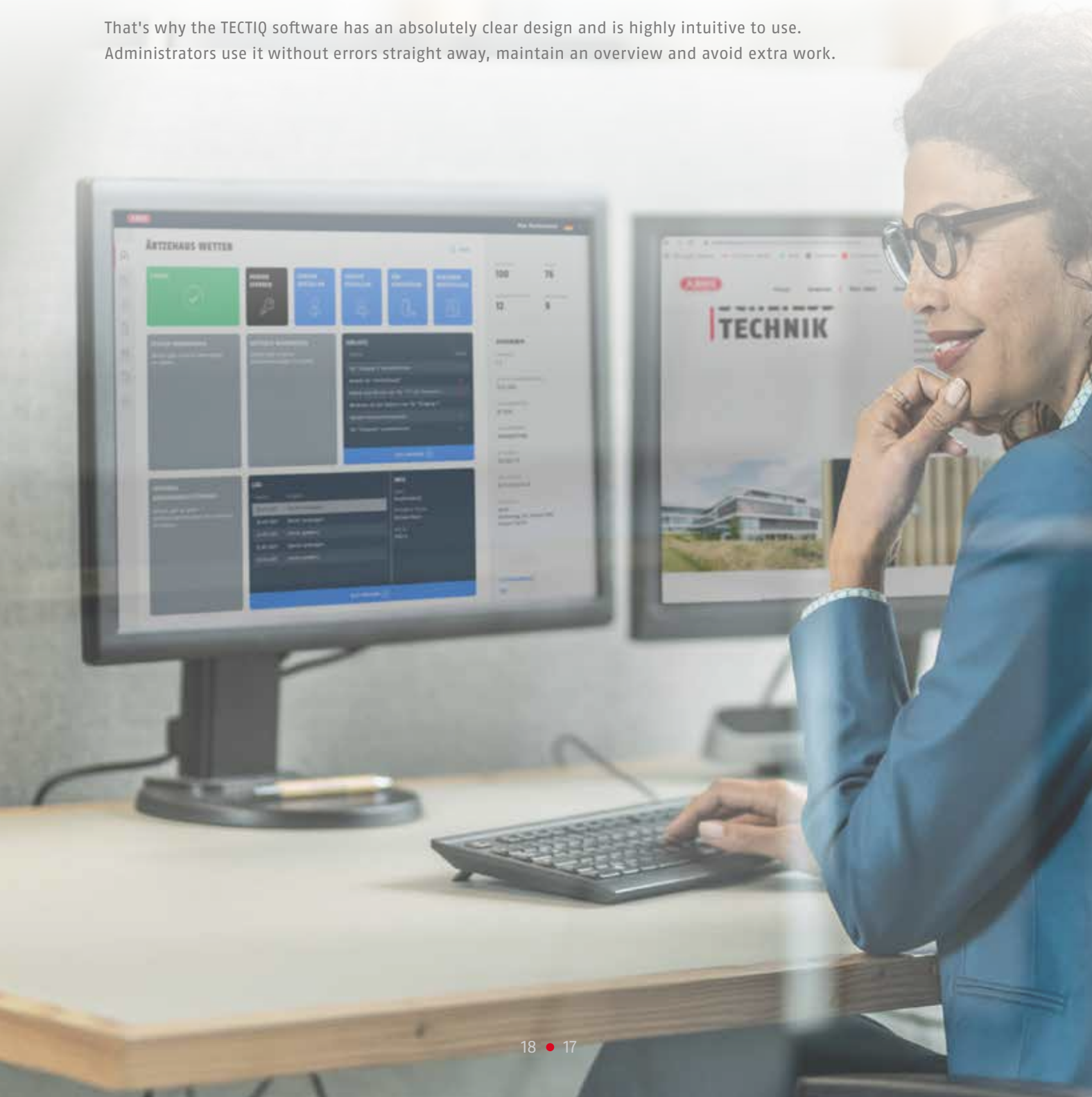


TECTIQ ACCESS MANAGER

THE SOFTWARE MAKES THE DIFFERENCE

In a modern electronic locking system, all user and authorisation profiles come together in the software. In addition, several buildings can also be easily managed in the central software. The system will work efficiently only if the software is operated correctly.

That's why the TECTIQ software has an absolutely clear design and is highly intuitive to use. Administrators use it without errors straight away, maintain an overview and avoid extra work.



"New software? Just annoys me! But not with TECTIQ: the program is great to use. I understand it straight away and save a lot of time! Manual key management: never again!"

HEINRICH PFAFF,
FACILITY MANAGER

"Introducing a new software usually costs our team a lot of time. The TECTIQ Access Manager is different: The overall package is perfect and the integrated database runs without migration or setting up new servers. And best of all: it is licence-free and without ongoing costs."

FRANK SCHEUERMANN
HEAD OF IT/CIO

TECTIQ KEY PLAN MATRIX

UNIQUE: FLEXIBLE PERMISSION MANAGEMENT

The innovative and clear key plan matrix offers simple assignment of key permissions for individual and group permissions and speeds up work in the system enormously.

ALL PERMISSIONS IN ONE PLACE

Key plan matrix for assigning and managing all key permissions

INDIVIDUAL AND GROUP AUTHORISATIONS

Simple assignment of key permissions for individual doors and users or for door and user groups

SPECIAL PERMISSIONS WITHOUT LIMIT

An unlimited number of special permissions can be assigned to users or access points outside of existing group permissions

ALL IMPORTANT INFORMATION AT A GLANCE

Expand and collapse all door and user groups for a clear display and precise assignment of permissions

TIME-SAVING QUICK SEARCH

Precise filtering and quick location of specific doors, users and groups using the intelligent search function in real time

The screenshot displays the 'KEYLOCKPLAN' interface with a sidebar on the left containing icons for home, matrix, users, doors, calendar, and settings. The main area shows a matrix with columns for departments and users, and rows for door groups. The 'PERSONS' column lists departments: ACCOUNTING (6), EXECUTIVE MANAGEMENT (2), FACILITY MANAGEMENT (2), HUMAN RESOURCES (4), and individual users: Emily Brown, Klara Fischer, Laura Fernández, and Péter Tóth. The 'DOORS' column lists door groups: ACCOUNTING & PURCHASING (3), ENTRANCE (5), HUMAN RESOURCES (3), MANUFACTURING (5), SALES / MARKETING / PM (10), and TECHNICAL & IT (4). The matrix cells contain 'X' marks indicating permissions. For example, in the 'ACCOUNTING & PURCHASING' row, permissions are granted to Accounting, HR, and Sales. In the 'ENTRANCE' row, permissions are granted to Accounting, Executive Management, Facility Management, HR, and all individual users.

	ACCOUNTING	EXECUTIVE MANAGEMENT	FACILITY MANAGEMENT	HUMAN RESOURCES	Emily Brown	Klara Fischer	Laura Fernández	Péter Tóth	MANUFACTURING	MARKETING	PM	PURCHASING	SALES	TECHNICAL SUPPORT	WAREHOUSE & LOGISTICS	Ben Schulz
ACCOUNTING & PURCHASING	X			X	X	X	X	X				X	X			
ENTRANCE	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
HUMAN RESOURCES	X	X	X	X	X	X	X	X								
Employee Relations	X	X	X	X	X	X	X	X								
Recruitment	X	X	X	X	X	X	X	X								
Training and Development	X	X	X	X	X	X	X	X								
MANUFACTURING		X	X						X						X	X
SALES / MARKETING / PM		X	X							X	X		X			
TECHNICAL & IT		X	X											X		

DASHBOARD OVERVIEW

EVERYTHING AT A GLANCE: ON THE DASHBOARD

The dashboard provides an optimum overview of the system status, system log and all pending administration and maintenance tasks.

FASTER TASK COMPLETION

Quick links for time-saving management of users, doors and permissions

EVERYTHING AT A GLANCE

All system information, warnings and faults in a single view

INTUITIVELY RIGHT

It couldn't be simpler. Innovative software design for intuitive operation

USER MANAGEMENT

THE COMPANY ORGANISATION 1:1 IN THE SYSTEM

The highly flexible system and grouping ensure the best overview of all users and departments. And assigning permissions is quick and easy using "drag & drop".

FLEXIBLE START-UP

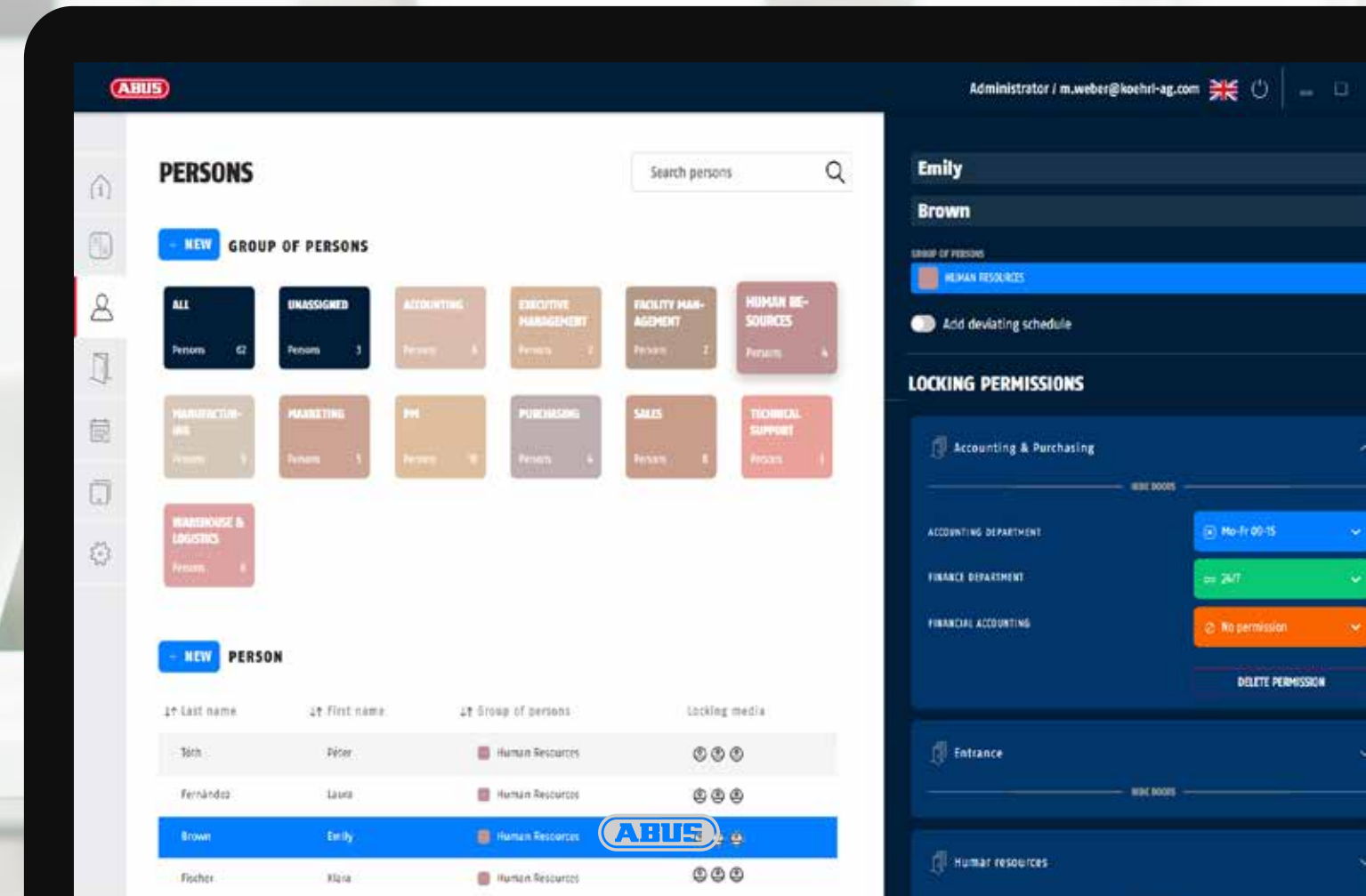
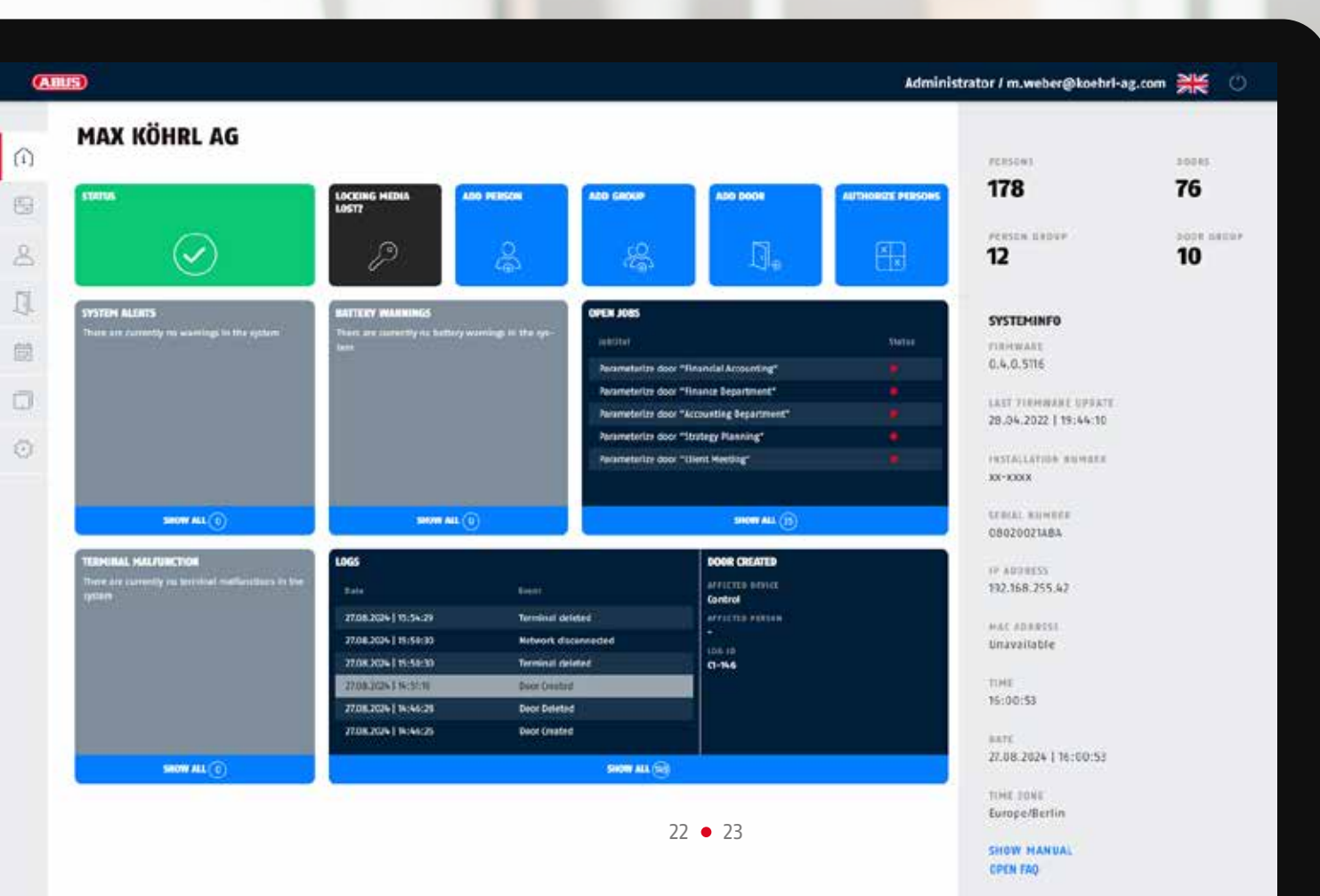
Easy creation of new users and user groups

SIMPLE GROUPING

Efficient assignment of users to groups via "drag & drop"

INDIVIDUAL PERMISSIONS

Allocation of all key permissions including special rules



TECTIQ CONTROL PANEL

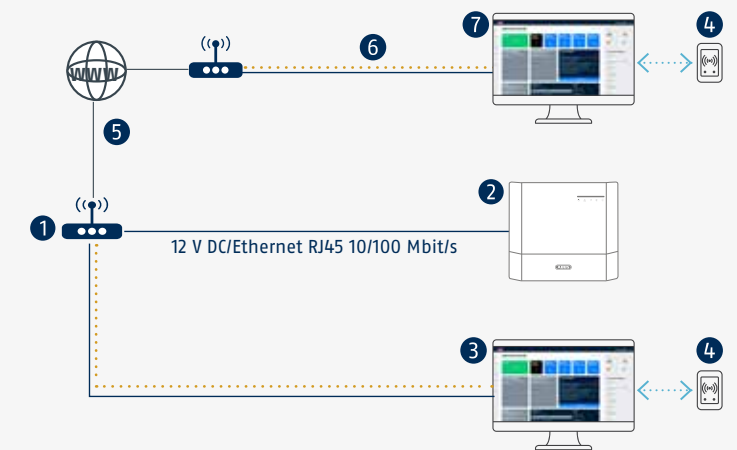
TECTIQ ACCESS CONTROL PANEL

The control panel is the heart of the TECTIQ system. The database and the software used to manage the entire system run on its hardware. This means that the existing server and database structure in the company does not have to be adapted and a cloud service does not necessarily have to be used. Integration into the network is simple via Ethernet. It couldn't be simpler.

TECHNICAL STRUCTURE

- 1 Local network
- 2 Access control panel with local database
- 3 "Access Manager" desktop application software
- 4 Desktop reader USB connection
- 5 Optional internet connection
- 6 Online remote access via Access Manager
- 7 P2P service

— LAN — Wi-Fi — USB — Internet



ALL-IN-ONE SOLUTION

Hardware with integrated software & database

LOCKING SYSTEM SOFTWARE

TECTIQ Access Manager integrated directly into the control panel

LOCAL DATABASE

All data in one place, complete data sovereignty with the operator

SIMPLY PLUG & PLAY

Fast start-up without server or database migration

INDEPENDENT & SECURE

Locking system independent of server infrastructure or third-party cloud services

REMOTE ACCESS WORLDWIDE

Remote access via a highly encrypted P2P connection

PERFORMANCE

Robust software architecture for managing a large number of users, door components and update terminals by several administrators.

LOCAL & ONLINE

Operation in the local network or with internet connection for worldwide access and cross-location integration of update terminals.

UPDATES & MAINTENANCE

Always up-to-date, secure and well-equipped for long-term use: thanks to regular updates with new features and enhancements.

TECTIQ CYLINDER

A REAL ALL-ROUNDER

The easiest way to retrofit an electronic locking system to existing doors. The battery-operated TECTIQ door cylinder is used for this purpose. The versatile all-rounder is a wirelessly integrated door component. It can be used universally on exterior and interior doors and, with a wide range of variants, offers the ideal equipment solution for all standard, security, escape and fire doors. Thanks to its modular design, the length of the TECTIQ cylinder can be flexibly adapted to the door thickness of the existing doors.

SECURE, FLEXIBLE INSTALLATION

Absolutely quick, straightforward installation on all interior and exterior doors, without drilling or laying cables

WEATHER-RESISTANT

Suitable for unprotected outdoor areas thanks to protection class IP67. Protection against dust and temporary submersion

MOVING OR REPLACING THE DOOR?

Individual adaptation of the cylinder length to any door thickness possible on site thanks to the modular design

OPTIMUM SECURITY AT THE DOOR

No access without authentication and with mechanical drilling and tampering protection

VISUAL SIGNALLING

With LED illuminated ring for signalling granted or denied access and other information such as battery warning

BLUETOOTH LOW ENERGY (BLE)

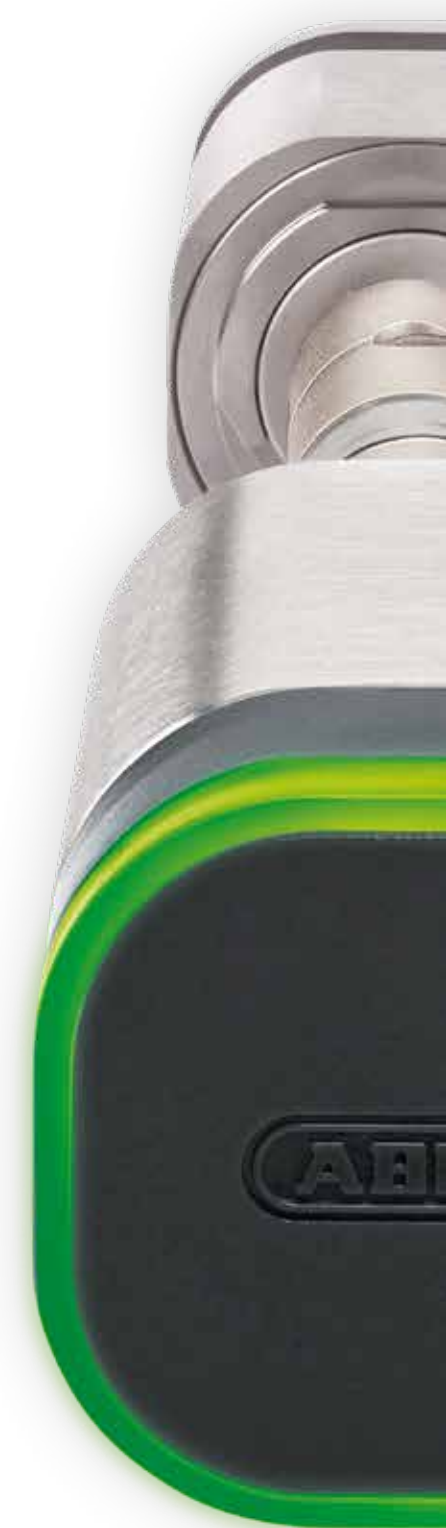
Efficient, convenient maintenance, including firmware updates via over-the-air wireless technology

TESTED, CERTIFIED QUALITY

Robustly protected against tampering, compliant with relevant access and security standards

HIGH-QUALITY WORKMANSHIP

With stainless steel outside knob and stainless steel look throughout, a discreet and sleek design



TECTIQ CYLINDER



TECTIQ double knob cylinder, reader outside
Exterior and interior doors



TECTIQ double knob cylinder, reader outside without inside knob
Exterior doors



TECTIQ double knob cylinder, reader on both sides
Passage doors



TECTIQ double knob cylinder, reader outside, panic
Emergency exit and panic doors






TECTIQ half cylinder
Key switches, garages, lift controls






TECTIQ padlock
Containers, factory gates, sheds

STANDARDS & CERTIFICATIONS



GENERAL & SECURITY

-  **IP67** completely dust-tight(6), protection against temporary submersion(7)
-  **SKG***** security certification (drilling, impact and core pulling protection)
-  **EN 15684** European standard for mechatronic cylinders

ESCAPE/RESCUE ROUTES

-  **EN 179** Emergency exit devices operated by lever handle or push pad
-  **EN 1125** Panic exit devices operated by a horizontal bar
-  **FZG** free-turning function suitable for FZG-tested doors

FIRE SAFETY

-  **EN 1634** Fire doors with fire resistance class **T30**
-  **EN 1634** Fire doors with fire resistance class **T90**



SECURE
High mechanical tamper protection with extra reinforced drilling and pulling protection for optimum security up to level SKG***.



MODULAR
Variable length adaptation for more flexibility on site. Up to 90 mm on each side by combining different extension modules.



POWERFUL
Efficient operation with standard battery: up to 60,000 opening and closing cycles or 3 years standby time.



ALL-ROUNDER
Secure installation on all doors in new and existing buildings. Ideal for retrofitting.



EXTERIOR DESIGN
Colour & shape in perfect harmony: on every door with black or grey outer caps in a square or round shape.



INTERIOR DESIGN
Square and narrow variants of mechanical inside knobs – an attractive interior design for every property.



TECTIQ FITTING

A STRONG DESIGN ELEMENT

The high-quality TECTIQ slim frame fitting blends into any environment with its clear design language and can be used universally as a battery-operated door component on interior and exterior doors. It couldn't be easier to use: access is granted simply and conveniently by presenting the locking medium and pressing the door handle in the usual way. With its wide range of variants, it is also the ideal solution for security, escape and fire doors.



SIMPLE, FLEXIBLE INSTALLATION

For all standard interior and exterior doors –
battery-operated and integrated into the system without cables

DISCREET AND SLEEK DESIGN

Fits beautifully and timelessly into the style of any building.
Lever handles available in various shapes for even more customisation

OPTIMUM SECURITY AT THE DOOR

High-quality mechanical burglary and tamper protection.
Security variant with certified anti-drilling protection

HIGH LEVEL OF CONVENIENCE

Intuitive access through familiar operation of the door handle,
optionally with mechanical profile cylinder for redundant opening

VISUAL SIGNALLING

With LED illuminated ring for signalling granted or denied access
and other information such as battery warning

NEW BUILD OR MODERNISATION?

Ideal for fitting in new or existing buildings thanks
to uncomplicated installation, can be extended later at any time

TESTED, CERTIFIED QUALITY

Robustly protected against tampering, compliant with
relevant access and security standards

BLUETOOTH LOW ENERGY (BLE)

Efficient, convenient maintenance, including firmware updates
via wireless technology



TECTIQ FITTING

MOUNTING OPTIONS FOR EVERY DOOR SITUATION



TECTIQ slim frame fitting
2-point screw mounting Exterior
and interior doors





TECTIQ Security slim frame fitting
3-point screw mounting
Exterior and security doors

TECTIQ slim frame fitting FIX-DIN-KURZ
FH 2-point screw mounting
Fire doors



TECTIQ slim frame fitting FIX-DIN-RUND
Round escutcheon screw mounting
Office doors

STANDARDS & CERTIFICATIONS




GENERAL & SECURITY

-  **IP54** dust-protected, protection against splash water
-  **IP55** dust-protected, protection against water jets
-  **SKG***** security certification (drilling, impact and core pulling protection)
-  **EN 16867** European standard for mechatronic door fittings

ESCAPE/RESCUE ROUTES

-  **EN 179** Emergency exit devices with panic locks
-  **EN 1125** Panic exit devices with panic bars

FIRE SAFETY

-  **EN 1634** Fire doors with fire resistance class **T30**
-  **EN 1634** Fire doors with fire resistance class **T60**
-  **EN 1634** Fire doors with fire resistance class **T90**

Individual certifications in preparation



SECURE

Burglary and tamper protection for top security at the door. Also available as a security fitting with high-quality SKG*** certification.



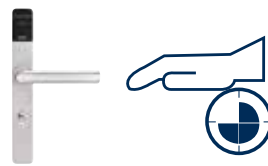
MECHANICAL

Wide selection of variants with and without mechanical profile cylinder. For optional emergency locking and redundant locking.



POWERFUL

Long battery life: up to 90,000 opening and closing cycles, up to 3 years standby time.



CONVENIENCE

Convenient and secure, intuitive access by means of familiar operation of the door handle. Optional: Permanently open, e.g. during business hours.



WEATHER PROTECTION

Weatherproof with protection class IP55 and suitable for temperatures from -25 °C to +65 °C. Ideal for flexible use on exterior doors.



DESIGN

Pure and elegant appearance: Fitting body and lever handle in stainless steel look, reader unit in black. Choice of different handle shapes.

TECTIQ WALL READER

HIGH PERFORMANCE AND ATTRACTIVE DESIGN

The TECTIQ wall reader makes a good impression at first glance with its high-quality design with real glass. Together with the control unit, the wall reader forms the perfect team for controlling electronic locking components such as electric door openers, motorised locks and gates.



WALL READER IN STAND-ALONE OPERATION

Reader unit with RFID reader for operation with TECTIQ wall reader control unit, more information on page 38

CONTROL LOCKING ELEMENTS

The wall reader integrates electric door openers, roller shutters, barriers, etc. into the TECTIQ system in order to manage them in the software and open them with TECTIQ locking media

INDOOR & OUTDOOR USE

Available in variants IP44 Indoor for indoor use or IP67 Outdoor (waterproof) for unprotected outdoor use

VISUAL & ACOUSTIC SIGNALLING

Confirmation of successful and unauthorised access by means of a confirmation tone and coloured status LED



TECTIQ reader unit
IP44 white
Indoor



SECURELY PROTECTED

The intelligence is not in the wall reader but in the control unit. This is not accessible from the outside when mounted remotely.



SECURED

Buffering of date and time enables safe continued operation even after a power interruption.



FLEXIBLE INSTALLATION

Freely positionable reader: up to 100 m cable length to the control unit – without any physical connection to the access control panel.

TECTIQ UPDATE TERMINAL

THE INTELLIGENT REAL-TIME INTERMEDIARY

When new access authorisations are issued, changes made to the key plan or user profiles updated, the locking media must also be updated. Updates are carried out decentrally for all persons (employees and other authorised persons with locking media) via intelligent network-integrated control units with connected RFID readers, so-called update terminals.

TECTIQ update terminals simultaneously grant access to the building by activating electronic locking components such as electric door openers, motorised locks or barriers. This is why they are generally placed at main and staff entrances. In addition, information on access events and battery warnings for used door components are also fed back into the system when the locking media are presented at the update terminal.

To ensure that all locking media are regularly updated and a high level of security is maintained, it is advisable to limit the validity of access authorisations. The key permissions can then be refreshed and updated at the update terminal by validation, for example, on arrival at the property via the first access to the building.



REAL-TIME CONNECTION TO THE SOFTWARE

All update terminals integrated into the system, regardless of their location, synchronise with the TECTIQ Access Manager

VALIDATE, UPDATE & LOG

Bidirectional data exchange: write updated validity and permissions from the software to the locking media. Read out logs and system information from the locking media

CONTROL LOCKING ELEMENTS

The update terminal offers the option of integrating electronic door openers, roller shutters, barriers etc. into the TECTIQ system in order to manage them in the software and open them with TECTIQ locking media

CONVENIENT, EFFICIENT, SECURE

The use of update terminals offers a high level of user convenience for employees, efficient processes and the secure, prompt implementation of permission changes, e.g. when blocking a lost locking medium



TECTIQ reader unit
IP67 black
Outdoor use



INSTALLATION

Installation is the same as for the wall reader. The reader unit is identical, but in this case is connected to the online-capable control unit.



ONLINE CONTROL UNIT

The reader unit communicates with the control unit via RS485 bus wiring. This synchronises with the access control panel via LAN.



POWER SUPPLY

In LAN mode, simply via Power over Ethernet (PoE), alternatively via a separate power supply unit on the control unit.

TECTIQ CONTROL AND READER UNITS

TECTIQ CONTROL UNITS

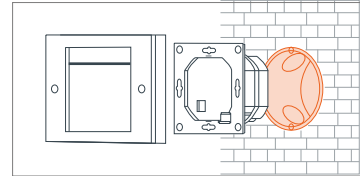
Intelligent update terminal or wall reader in stand-alone mode? The choice of control unit determines the function of the reader unit. Two control units are available: the "wall reader" variant and the online-capable "update terminal" variant. For flush mounting in a switch box or optionally in a robust surface-mounted housing. The connection to the reader unit is established via a secure RS-485 interface. Power is supplied via Power-over-Ethernet (PoE) through the network cable or via a separate 12 V power supply unit.

TECTIQ READER UNITS

The TECTIQ reader units make a good impression at first glance and impress with their scratch-resistant glass surfaces in understated white or black. Operation is quick, secure and contactless via RFID. The reader unit signals operation visually and acoustically. The reader units are available for indoor and outdoor use and, together with the control units, form the perfect team for controlling electronic locking components such as electric door openers, motorised locks and gates. Depending on the control unit selected, the reader unit functions as a wall reader in stand-alone mode or as an update terminal, e.g. for validating and updating locking media.

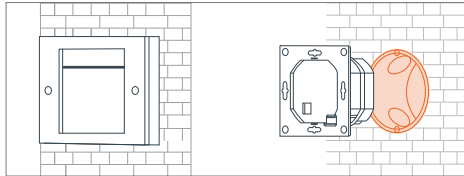
TECTIQ FLUSH-MOUNTED CONTROL UNITS

Compact installation



Installation of control unit and reader unit in **one** flush-mounted box

Remote installation



Separate installation of control unit and reader unit, connection via RS485

TECTIQ SURFACE-MOUNTED CONTROL UNITS



Installation in surface-mounted housing IP66 with IK07 impact resistance

TECTIQ SYSTEM COMPONENT

TECTIQ CONTROL UNITS

TECTIQ READER UNITS

TECTIQ UPDATE TERMINAL

- Validate & update locking media
- Simultaneous control of door and gate drives
- Secure continued operation even in the event of a network failure
- Data retention after power failure

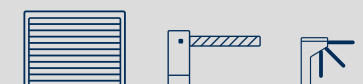


TECTIQ control unit
Flush-mounted update
terminal

- Online connection via Ethernet
- Real-time communication with the access control panel
- **Power over Ethernet (PoE)**
- Relay configuration: NO, NC, NO/NC pulse
- Removable connection terminals

TECTIQ WALL READER

- Offline wall reader (stand-alone)
- For controlling door and gate drives
- Secure continued operation even after a power failure



TECTIQ control unit
Flush-mounted wall
reader

- Relay configuration: NO, NC, NO/NC pulse
- Removable connection terminals
- **Power over Ethernet (PoE)**



TECTIQ reader units IP67

TECTIQ reader units IP44

- **Elegant design** with high-quality, scratch-resistant real glass in an impact-resistant metal housing (IP67) or black (RAL9005) or white (RAL9010) in a GIRA TX44 frame (IP44)
- **Signalling** Status feedback through visual and activatable acoustic signalling
- **Bluetooth Low Energy (BLE)** Efficient, convenient maintenance, including firmware updates via wireless technology

TECTIQ LOCKING MEDIA

THE CONTACTLESS KEYS

With the battery-free and copy-protected RFID locking media, TECTIQ door components and ABUS security systems can be operated conveniently, reliably and securely. Whether a robust key fob, practical transponder card or integrated on a mechanical combination key: this variety offers the optimum solution for every property. Without any compromises as regards security: with a highly secure encryption process (MIFARE® DESFire®) for maximum protection against copying and tampering.

TECTIQ LOCKING MEDIA

The battery-free and maintenance-free RFID locking media grant all persons secure and convenient access to the property

VERSATILE

The right locking medium for every object and every person, various versions, e.g. as a key fob or card

CONVENIENT & UNIVERSAL

Contactless operation of all TECTIQ door components and other ABUS systems, such as ABUS wAppLoxx Pro locking system or ABUS Secoris

SECURE

Maximum copy and tampering protection with pre-programmed ABUS application and encryption procedure, as secure as online banking

SIMPLE

Simple and error-free management thanks to consecutive numbering



TECTIQ EMERGENCY TRANSPONDER

The battery-free and maintenance-free emergency opening transponder grants emergency services immediate access to all doors as a fire brigade key.

OPENING IN AN EMERGENCY

For emergency opening of all TECTIQ door components with special function "Permanently open"

SECURED IN THE KEY DEPOT

Suitable for fire brigade tubular key safes and fire brigade key depots (FSD) in accordance with DIN 14675 type 1-3



TECTIQ DESKTOP READER

THE PRECISE TRANSMITTER

The TECTIQ desktop reader is used to program, write and update TECTIQ locking media on a PC. It is simply connected via USB. The read/write processes are conveniently contactless, secure and fast.

Communication between the TECTIQ desktop reader and the access control panel works from any PC, whether in the facility office, HR department, reception or at the gate. Even when accessing the system remotely using TECTIQ Access Manager, e.g. from a home office or another location.



PROGRAMMING, WRITING AND UPDATING

Writing and reading device for centralised programming, writing and updating of TECTIQ locking media and system media directly on a PC

ALWAYS READY

Equipment for managing every TECTIQ system, including remote access to the access control panel via the TECTIQ Access Manager

EASY START-UP

Plug and play: Simply connect to the PC via USB 2.0, without complex configuration, with power supply via USB

COMPACT DESIGN

Space-saving and flexible use at the desk, reception, gate or in the home office

CONVENIENT & SECURE

Secure RFID read/write process, contactless and fast, encrypted connection from the desktop reader to the TECTIQ access control panel

SIGNALLING

Confirmation of successful read/write processes by means of a confirmation tone and coloured status LED



TECTIQ PROGRAMMING TOOLS

THE MAINTENANCE TOOLS: ALWAYS AT HAND

Whether via smartphone app or classic system card: with the TECTIQ programming tools, setting up and maintaining the wirelessly integrated door components is quick and easy.

With TECTIQ system media, you can perform the necessary programming in the simplest possible way. No special knowledge for programming at the door component is required.

Smart & expandable: The TECTIQ Admin app is the universal helper for important maintenance tasks. It transmits data (e.g. date and system time) wirelessly via Bluetooth to the door components. Its range of functions is constantly being expanded through updates. Those who opt for this type of maintenance benefit from all the advantages of the latest app version.

TECTIQ ADMIN APP

The app turns any smartphone into a universal transfer device for efficient maintenance of the TECTIQ locking system.

SYNCHRONISATION OF DATE/TIME

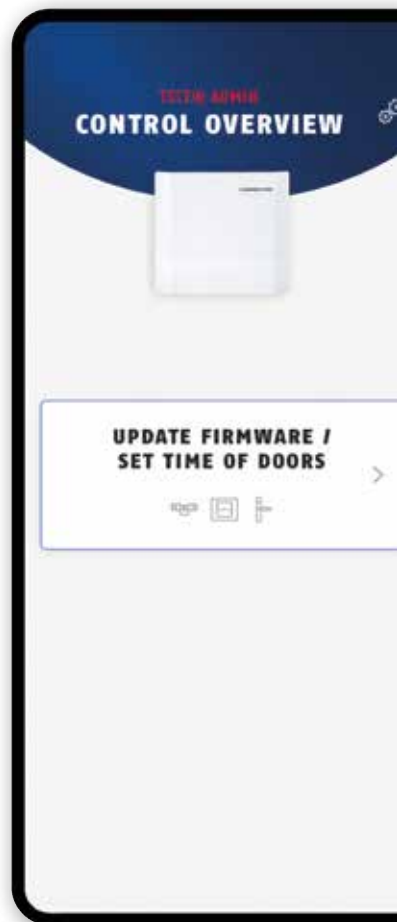
Simple transfer of date and time from the mobile phone to the component (e.g. after battery replacement)

UPDATING THE FIRMWARE

Updates are displayed in the app and the new firmware is transferred wirelessly from the mobile phone to the component

MORE FUNCTIONS

With the next app updates: in future, system media functions will also be available in the app



TECTIQ SYSTEM CARDS

The right card for every maintenance task.

PARAMETER CARD

Transfer the data for start-up or teach-in to the door component

LOG CARD

Retrieve logs from the component and import them back into the TECTIQ Access Manager

RESET CARD

To reset the TECTIQ door component to the factory settings (delivery status)

BLACKLIST CARD

Transfer an updated blocking list on the door component to reliably lock out certain locking media

HYBRID LOCKING SYSTEMS

FULL CHANGEOVER OR STEP-BY-STEP

Has your mechanical locking system proved its worth, but is slowly reaching the end of its life? Is an extensive renovation planned? Are you wondering whether now is the right time to switch to an electronic system? With ABUS TECTIQ the choice is yours. You can switch to electronic components on all doors or just replace some areas. For example, the exterior doors and other security-relevant areas such as server rooms can then be equipped with electronic components, while less relevant areas are supplemented with a mechanical locking system. A combination key can then be used to conveniently operate the entire locking system with just one locking medium.

HYBRID LOCKING SYSTEMS

Easy changeover: mixed operation of mechanical and electronic systems in one building. With a combination key for all doors, you can lock your mechanical cylinders as usual and open all electronic components using the transponder integrated in the key head. An intelligent and economically attractive combination of both worlds.

Simple installation: The mechanical cylinder is simply replaced by the electronic cylinder – without removing the existing fitting set.



FULL SWITCH TO ELECTRONIC

Digital and future-proof: the fully electronic locking system. This means that you immediately benefit from the advantages of an electronic locking system on all doors.

However, you are also well equipped for the future, as an electronic locking system offers you maximum flexibility. Changes to your organisational structure can be transferred directly to the authorisation structure, lost keys are a thing of the past and you have control over everything at all times. Benefit automatically from future system developments – we always keep your system up to date and expand the range of functions.



YOUR PROJECT - OUR SERVICE

When planning an electronic locking system, it must be ensured that your individual wishes, the specific requirements of your building and all standards and building regulations are completely fulfilled. We ensure this hand in hand with our qualified ABUS specialist partners and the manufacturer consulting provided by our team of property consultants, sales and service specialists. Regionally available throughout Germany and therefore very close to you.



ADVICE ON THE SPOT

Step 1: We establish your wishes, requirements and security goals.
Step 2: We inspect your property together and record all relevant points, e.g. to assess the escape and rescue routes.



PLANNING

We develop a customised TECTIQ solution for you with a detailed offer and project schedule. On the basis of a security concept including risk assessment and compliance with the relevant legal regulations and company agreements.



INSTALLATION & START-UP

Experts install the door and system components including software, make all settings and start the system. After thorough instruction and user training for administrators and other contacts, your TECTIQ locking system is ready for use.



OPERATION & MAINTENANCE

An ABUS specialist partner is also available to you during operation. Simple maintenance work (e.g. battery replacement) can be carried out independently or by the specialist partner, e.g. as part of a maintenance contract.



MAKING LIFE A LITTLE SAFER

This is what the ABUS brand has stood for since 1924. The Group has been working on this since its foundation as a family business. As a globally recognised market leader, e.g. for mechanical locking systems, the ABUS Group relies on the highest quality standards and state-of-the-art development processes – and development and production of the TECTIQ locking system are based on the same virtues.



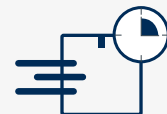
PROPERTY CONSULTING

Our team of specialists knows the security requirements of your building. They create the optimum solution for you on the basis of many years of expertise in mechanical and electronic systems and high quality standards.



PRODUCTION

With our own hardware and software development and production, we are strengthening Germany as a business location. And are closer to the technical details that make the TECTIQ system so successful and ensure its continuous enhancement.



SHORT DELIVERY TIME

As we manage the entire supply chain ourselves, including warehousing, we can ensure a high level of delivery capability with delivery times of just a few days.



TENDERS

Is your new build or conversion being supervised by an architect or electrical planner? The TECTIQ system is planned precisely and quickly by transferring our tender texts directly into the specifications.





YOUR CONTACT TO TECTIQ



+49 82 07 959 90 333



sales@abus-sc.com



abus.com

ABUS



Image film



ABUS I Security Center GmbH & Co. KG
abus.com

Linker Kreuthweg 5
86444 Affing

Germany
Phone: +49 8207 959 90-0
sales@abus-sc.com

ABUS I Austria GmbH
abus.com

IZ NÖ-Süd, Straße 7
Objekt 58 D, Top 4, 1. OG
2355 Wiener Neudorf

Austria
Phone: +43 2236 660 630
info@abus.at

ABUS I Schweiz AG
abus.ch

Oberneuhofstrasse 1
6340 Baar

Switzerland
Phone: +41 41 760 86 66
info@abus.ch