

# KESO 4000S Omega

**KESO**

**ASSA ABLOY**

When one key simply fits everything

ASSA ABLOY, the global leader  
in door opening solutions



# When one key simply fits everything

The widest assortment for individual needs. Simple combination of time-tested mechanics with mechatronics. Convenient management and control with a modern software solution. That is the KESO 4000S Omega system.



Comprehensive from planning to service

### KESO is the key for individual needs


Thanks to our wide assortment, we are capable of finding the perfect solution for even the most specific requirements. With professional consultation and assistance, from the initial planning, to installation and maintenance.

		
Door concept planning	Locking concept planning	k-entry® software

One key for everything and one software for each system

### There are practically no limits with KESO





From the main entrance to single-floor access to a single desk drawer: You can open and close everything with one KESO key. The combination of mechanical locks and mechatronic components provides additional security. In addition, the management of a system is simple and convenient, thank to the KESO k-entry® software.

				
Mechatronic	k-entry® software	e-Security-card	RFID	Drill-line offset

Protects your system securely and sustainably

### KESO offers intelligent security in five dimensions






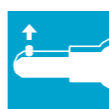


In addition to security guarantees, like the patented, technological and organisational areas of system protection, KESO offers far more: reliable tracing of key copies by means of a central check on blanks and the Omega active copy protection, which makes copying with a 3D printer significantly more difficult.

				
Copy protection	Drilling protection	Pulling protection	Snapping protection	Patent protection
				
Omega active copy protection	VDS up to BZ+	Profiled key stop collar	e-Security-card	Traceability

KESO has been providing security for 50 years

### KESO provides impressive technology and quality

Swiss precision mechanics down to the smallest detail guarantees stands for quality and reliability as well as a long service life. Intelligent technologies for increased combinatorics lead to greater flexibility, expandability and simplified organisation.

				
Multi-level drillings	HRC 65	Multi-sided intervention	Drill-line offset	CrNi cylinder casing
				
Omega active copy protection	RFID	Wi-Fi		

## When individuality pays for itself and works

The integration of KESO 4000S Omega into your building planning is simple, risk free and is supported by our qualified locking and door concept planning specialists. With our broadly diversified offering, we cover all requirements and can sufficiently implement all your requests. The realisation takes place reliably and efficiently – with Swiss production and an extensive network of certified technical partners. The system management and operation can be operated simply and intuitively with flexible software. KESO also offers the highest level of quality for maintenance and service.

“For me, versatility  
combined  
with security is  
what counts.  
Therefore, the only  
choice is KESO.”



Innovative, sustainable  
and secure: the  
KESO 4000S Omega  
system

### Planning

**TKP\*** **SKP\*** Our technical support provides you with a sense of security. With the KESO locking concept planning or door concept planning, we support each of our customers, on request, with the assistance of proven experts. From the concept to acceptance.

### Realisation

KESO maintains a high Swiss quality demand. Our ambitions guarantee you security, control and short delivery periods. Thanks to a broadly established network of authorised technical partners, KESO is close to the customer and close to the project. Our licensed self-installation partners also offer you efficient solutions for complex challenges.

### Management

**k** You manage your system with intelligent software. Regardless of whether your system uses mechanical or mechatronic components: KESO k-entry® can be operated intuitively. In addition, it is completely flexible: The software is easily scalable and can be used as a single installation or a client solution for multiple users.

### Maintenance

**📄** **🔍** Our local production enables fast replacement when keys or cylinders are ordered. With the system-specific security card, only the card holder has access to the logged KESO authorisation process for reordering. This system, together with the active copy protection of KESO, allows a seamless detection of key copy – for decades to come.

### Service

You can rely on our carefully selected KESO sales partners. As a leading provider of security solutions, we support our partners and you as a customer when you need, even on site, with knowledge and commitment.

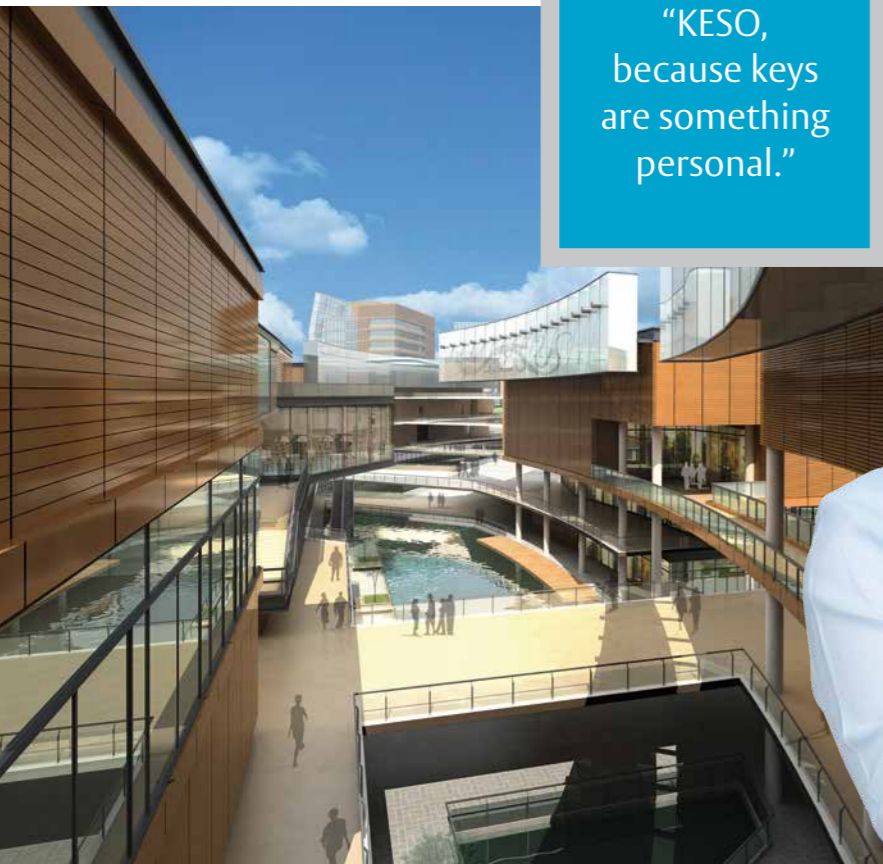


# When the key simply fits for everything

KESO 4000S Omega offers a broad assortment. There is a suitable cylinder for every application, and everything is operated with one key. The systems can be built and expanded mechanically and mechatronically according to preferences. The intelligent key integrates various RFID technologies and can, for instance, operate time logging, coffee machines, copy machines and much more.



“KESO, because keys are something personal.”



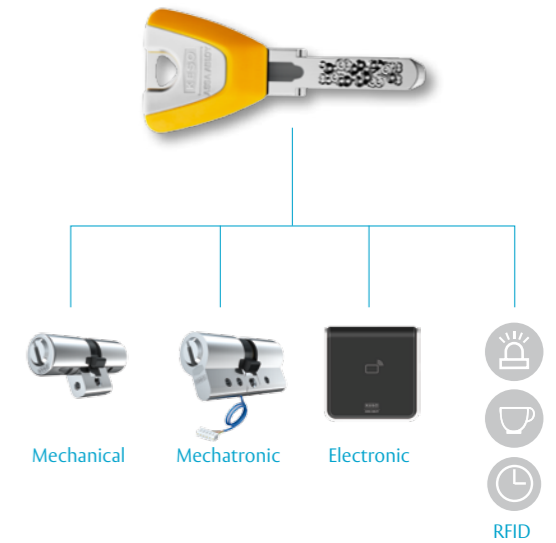
When your key opens doors and operates coffee machines

### The widest assortment

KESO 4000S Omega simply integrates everything: nearly 300 different cylinder types and various cylinder profiles within the same lock. From purely mechanical solutions to the comprehensive mechatronic system. From the general main entrance to sensitive areas, such as IT rooms, to personal locks, such as office doors or all types of cabinets.

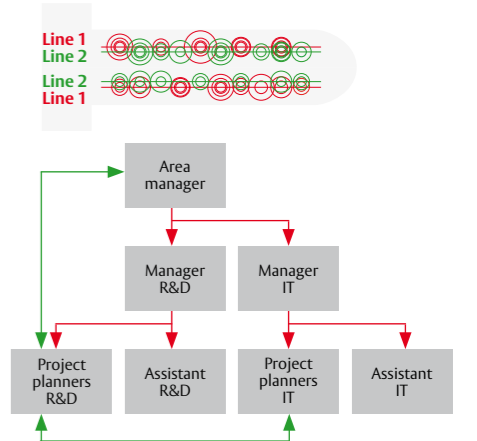
### Intelligent key

The key contains mechanical and mechatronic technologies and thereby offers decisive advantages. Mechanical properties serve as the basis and can be expanded with mechatronic components at any time. The key integrates up to two different RFID technologies. In the process, you can simultaneously govern access control and, for instance, an alarm system by means of the key.



### Controlled access

With the bore line shift you organise your locking planning in two dimensions. The first dimension can form hierarchies, the second structures and processes. In doing so, it is assured that already defined access rights are adapted to the actual day-to-day operations, even in the long term. With the user-friendly k-entry software, you register events, centrally or locally control access and thereby have comprehensive control.



### Colourful organisation

KESO 4000S Omega offers 19 different coloured caps for your entirely personal key. Therefore, you can assign colours to individual buildings, floors or zones, and authorisations can also be identified in this manner, such as for drug cabinets, etc.



# When security reaches new dimensions


KESO 4000S Omega:  
all-round secure

Only KESO defines security on five levels. With a patent term until 2023, KESO 4000S Omega offers legal security and therefore investment protection. With the KESO e-Securitycard, system control is guaranteed, because only authorised persons can order new keys or additional cylinders. In addition, KESO key blanks with active copy protection cannot be purchased openly on the market. The most important for traceability: Each copy is logged, so you always know how many keys were created, even after decades. KESO excels technologically with numerous innovations as a basis for effective protection, specifically from new technologies like 3D printing.


“Innovative, sustainable and secure: KESO 4000S Omega.”




## Comprehensively patented


 With a patent term until 2023 for legal security and investment protection.

## Swiss precision technology


 Precise dual drilling lines technology combined with different and multiple pin shapes paired with Omega – KESO active copy protection technology – make the KESO keys unique and secure.

 CrNi steel cylinder with pulling protection rotor, hardened pins and a steel web worked from a single piece for the highest attack resistance class impede third-party access to your system many times over.


## Clear organisation

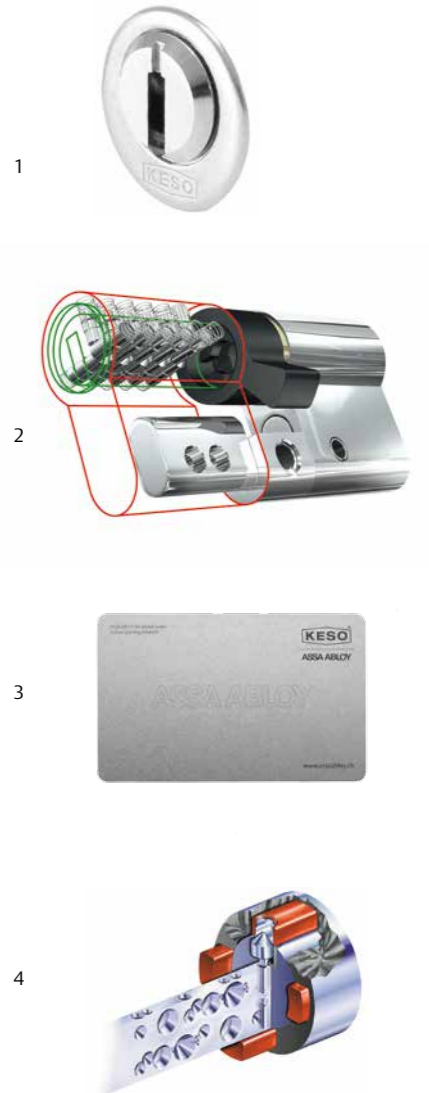
 The e-Securitycard guarantees that only you as the holder are authorised to order new keys or lock changes.

## Omega active copy protection

 With the interactive pin in the key, it is ensured that only authorised key copies also really function. This active copy protection also makes key copies significantly more difficult, even with the latest 3D printers.

## Traceability for decades to come

 The registration of all keys and the central management of blanks with a logged production guarantee seamless traceability of all new keys to your system. For many years to come.



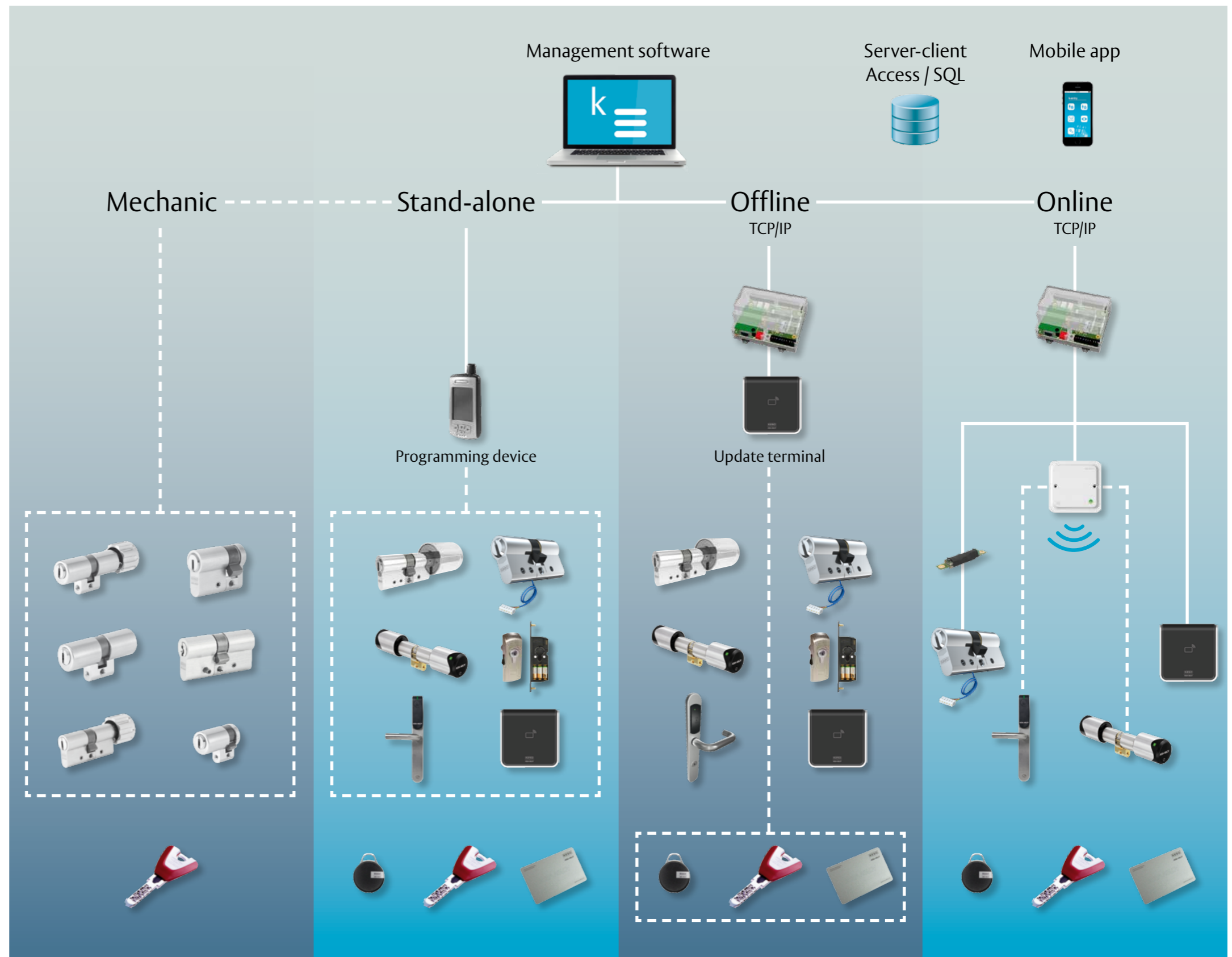
- 1 Patented front profile
- 2 Tumbler pin on 3 lines
- 3 System-specific security card
- 4 Omega spring pin



# The integrated and fully scalable solution for your buildings

Thoroughly modular: KESO system technology enables the perfect interaction of locking system and purely electronic solutions – be it stand-alone, offline or online. Take advantage of all the benefits – even in combination – based on your goals in the fields of building security and pedestrian traffic.

Fully scalable, easy-to-use k-entry® software allows you to plan, manage and control your building application. You can upgrade to higher functionalities at any time thanks to the modularly configured software concept.



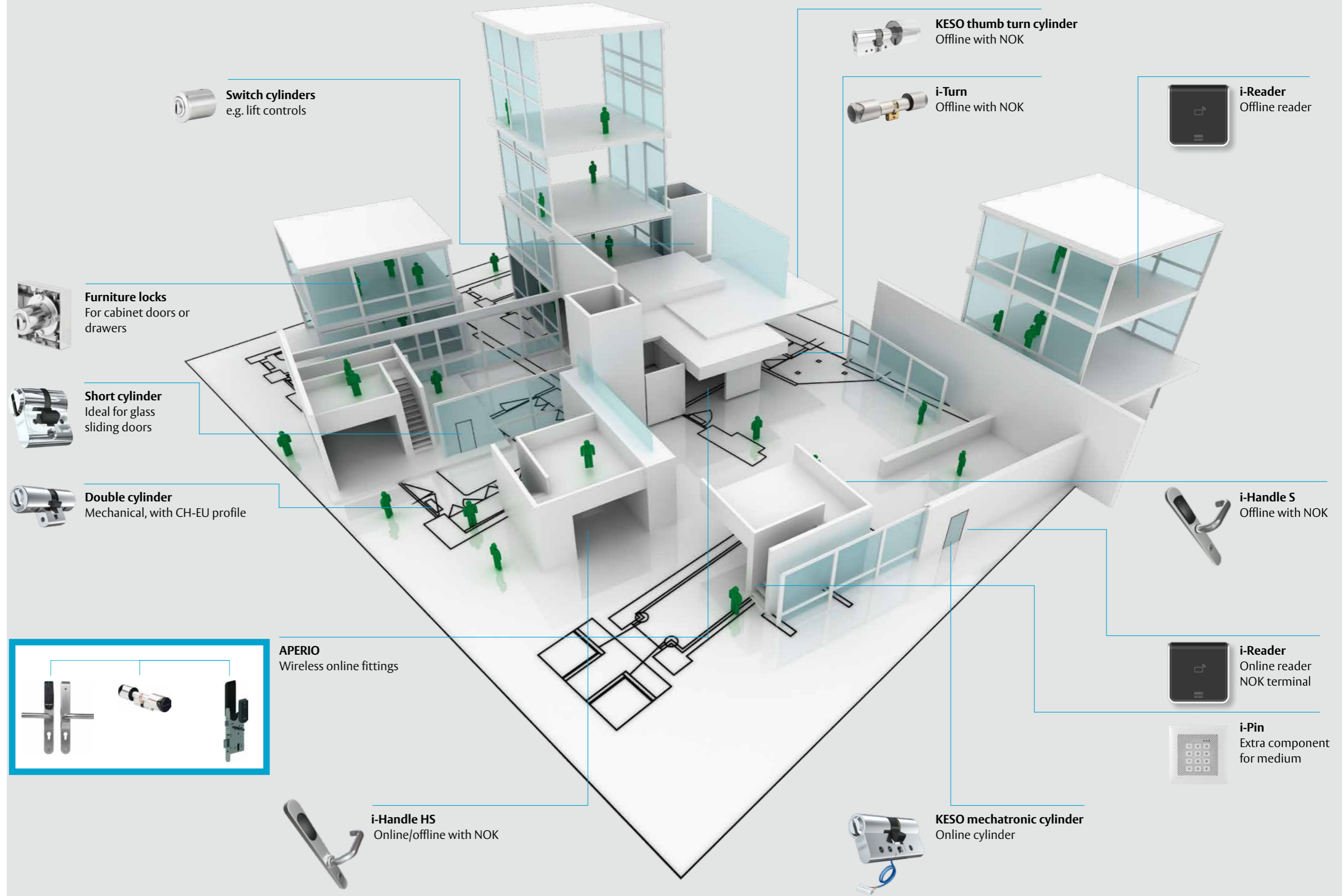
## Key Facts – Systems

- Fully integrated locking system with system guarantee
- Online, offline and stand-alone in a single system
- Wide product portfolio from fittings to mechatronic cylinders
- Wireless technology for online components

## Key Facts k-entry® (software)

- One program for all systems
- Clearly arranged key management
- Customisable view
- Drag-and-drop function
- Flexible expansion options
- Mobile client for iOS

Mechanical and mechatronic components mesh seamlessly.



# When technology is responsible for the best quality

The high quality standards in production and manufacturing assure greater reliability, a longer service life and better protection. Innovative technologies like the line offset enable increased combinatorics, greater flexibility in expansion and simplification of access organisation. The best materials in a selection of various materials are a guarantee for increased protection against cylinder manipulation as well as for economical system building.



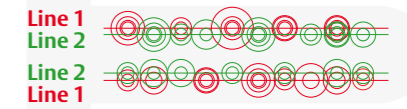
“A system that is cost-effective, risk-free, convenient and comfortable.”



Locking planning with flexibility, technology with quality and systematics that make sense

### Shifting of the drilling lines

The line offset on the KESO 4000S Omega key is unique. It enables more combinatorics, more bore variants and therefore better organisation.



### Multi-sided contact

The lateral contact of 5 pins each makes KESO cylinders secure and provides comfort and a long service life.



### Variable choice of materials

The choice of cylinder materials offered in six variants enables the economical planning of every locking system. The result: the highest security where it is needed and simpler versions where it is sensible.



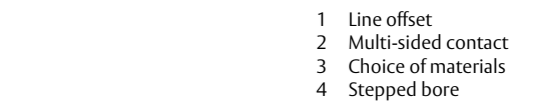
### High-precision multi-level drilling

This provides greater copy protection and prevents over-locking of systems and regional overlapping.



### Various pin types

KESO 4000S Omega offers up to 12 geometrically different pin types. For even more security and the greatest possible flexibility.



### Active copy protection

The KESO key has an integrated technology which must be activated for the opening function by means of the built-in and corresponding mechanical components in the locking cylinder. With these mechanical components with interactive pins in the key edge sides, the anti-copy security of the key is significantly increased.



## When production comes closer to you

KESO system partners guarantee continuity from central production to the installation of your system on site. Greater flexibility and speed for you. As certified representatives, our partners are licensed to produce and sell KESO products and commonly form a network of regional competence centres with extensive know-how and proximity to the customer.

“We are your extended workbench of KESO.”



If a key is lost:  
Replacement within  
one work day – simply  
guaranteed

### Our partners, your advantage

Regional proximity with high quality demands and readiness to provide service are the foundation of KESO partners. Together, we support you in the planning, design and realisation and together we are also there for you after the system is built.

### Mechanical specialist partners

Our comprehensive network of mechanical specialist partners supports you in the design, planning and realisation of your locking system.

### Mechatronic specialist partners

Our specially trained mechatronic specialist partners assure the integration of mechatronic products into your locking system. They combine everything from the mechanical cylinder to simple access control.

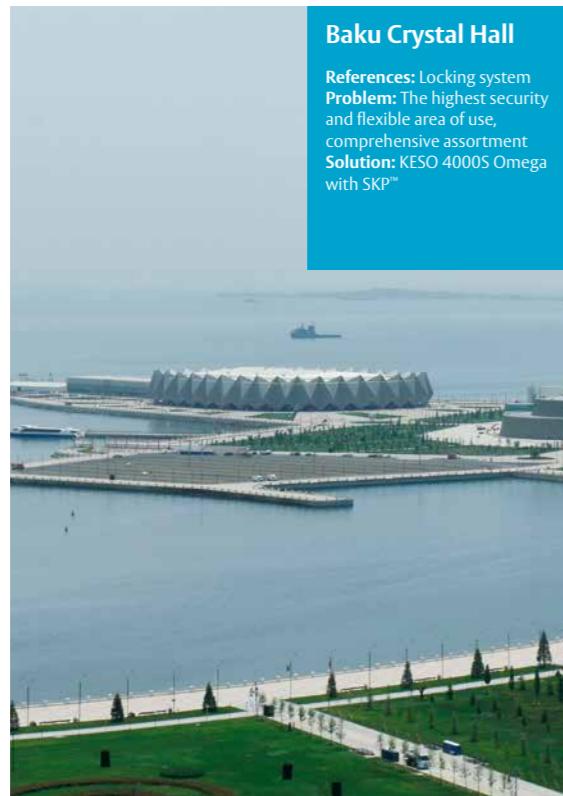
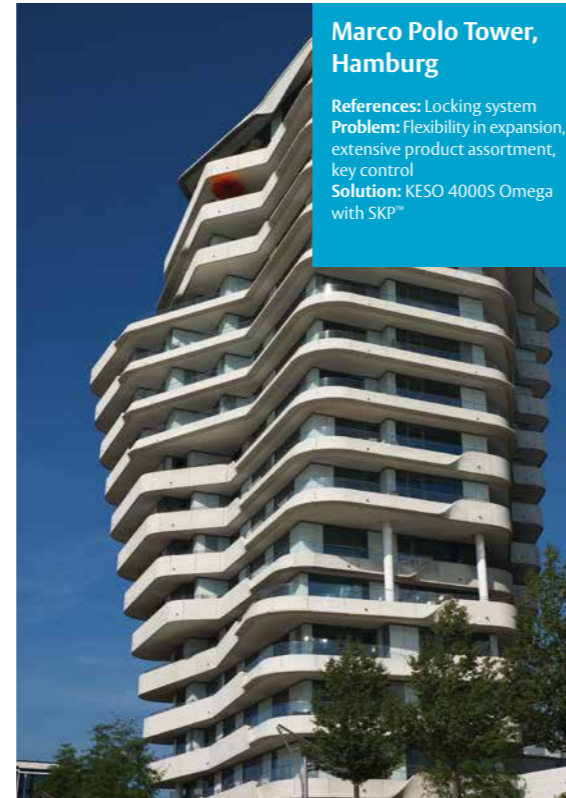
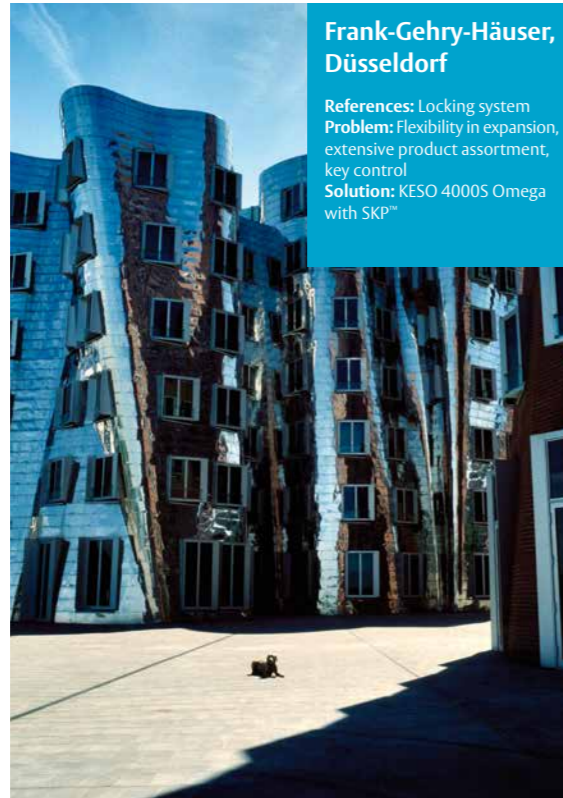
### System partners

Our licensed system partners operate like an extended workbench of KESO. They are authorised to produce new keys and to extend cylinders. In addition, quick reaction and greater flexibility, even for temporary changes, are guaranteed with their ability to produce cylinders. Added bonus: Our system partners are obligated to undergo an annual audit to log all keys produced.



# References

Solutions for the private home, bank and industry, all the way to football stadiums



# Success for more than 50 years

For decades, KESO has developed and produced innovative locking systems with a customer focus, passionately and successfully

KESO, founded in 1963 by Ernst Keller, developed quickly into an innovative provider of keys, cylinders and security systems. KESO products are sold worldwide and are the epitome of quality, security and professionalism. More than 300 patents over the past 50 years underscore our power of innovation. KESO is a part of the Swedish-Finnish ASSA ABLOY Group, the world's largest provider for solutions around door locking and unlocking. With the possibility of supplementing KESO with additional products from the Group, we offer our customers a complementary assortment that opens every door – literally and figuratively.



We place the greatest emphasis on precision, functionality and combining vision, freedom and security in a simple and intelligent manner.



ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience

**ASSA ABLOY**

PR.01.116/EN

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