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ABLOY

FOR TRUST IN TELECOMS AND DATA CENTRES

Critical Infrastructure Protection for the Telecom Industry

ABLOY

For Trust in Telecommunications

ABLOY provides digital, electromechanical and mechanical solutions for security and access control for the entire telecom ecosystem – including mobile network operators, tower companies and data centre service providers.



Data Centre



Telecom

Direct impact on the society as a whole

The telecom industry has become an essential part of our day-to-day life. It reaches billions of people at the same time, no matter the weather, geographical location or nationality. It is a vital resource for the economy, industrialization and globalization. In case of outage, there will be a direct impact on society, the economy and the functioning of government.

As a part of our critical infrastructure, telecom needs to be protected and controlled. Each asset inside data centres, base stations, poles or any other sites is critical for business continuity. A service interruption can have a serious impact on both business and residential customers and might incur penalties.

Digital Portfolio for Critical Infrastructure Protection

Your bridge to the future

From the inside out, each employee, contractor, access point, restricted area and perimeter can be secured and monitored remotely – whatever the circumstances. Assisting in meeting the demand and regulations for secure, uninterrupted telecom network service during all upgrades, expansion and maintenance is what we know and do well.



*Check availability from your local distributor

Abloy's global presence at your service

ABLOY Competence Centres, sales units and distributors on six continents provide customers with technical expertise, professional service and support.



Robust security solutions for mobile network operators

Telecom towers and networks are often located in remote and geographically dispersed locations. For mobile network operators it is even more important to secure their assets and ensure continuity of work in every situation. With controlled access rights and mobile convenience, ABLOY solutions ensure that only the right people go in and out.

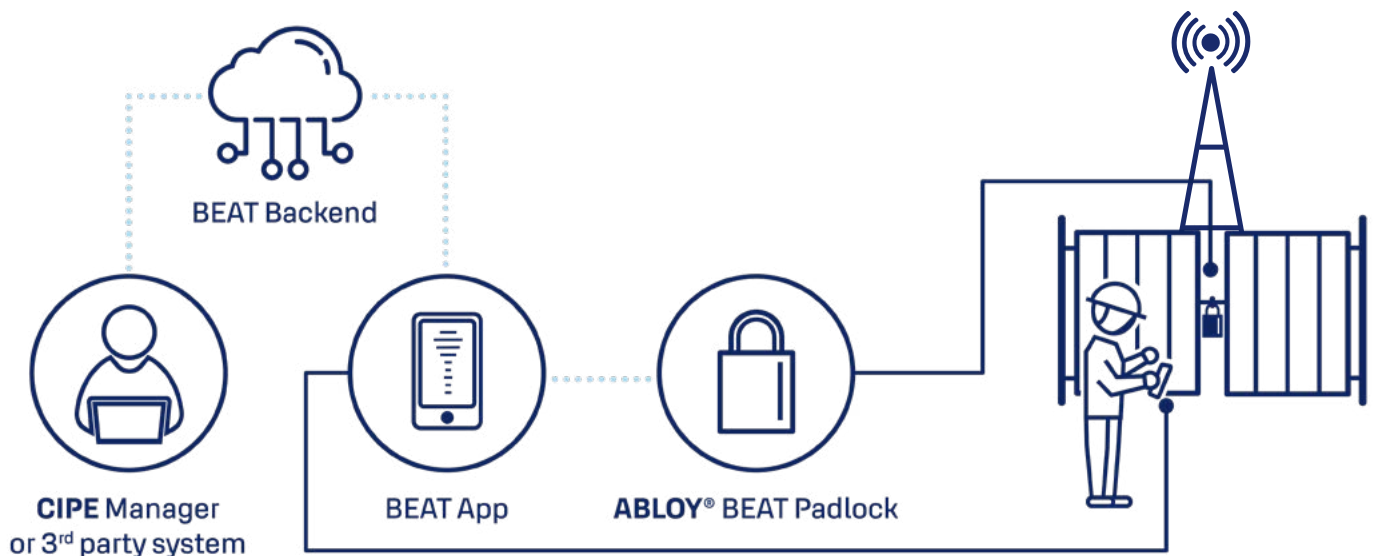
Our complete portfolio of cylinders and cam locks for inner doors and Super Weather Proof padlocks with electromechanical or digital keys for gates are reliable in harsh conditions. Controlled from your mobile device, the ABLOY BEAT Bluetooth padlock boosts operational efficiency while reducing logistics costs.

Flexible access and user management for tower companies

With so many sites, the most important task from the security point of view is to provide access to the right people and to be able to monitor audit trails remotely. On the other hand, having several independent systems that do not communicate with each other is a challenge from the operative point of view.

With CIPE Manager, locks, keys, users and their individual access rights can be monitored through one visual user interface. For even smoother performance, ABLOY BEAT and PROTEC2 CLIQ systems can be integrated with CIPE. While offering safe and secure assets for users, CIPE makes key and user management easy and flexible for the administrator from one single system.

How ABLOY BEAT Bluetooth padlock works











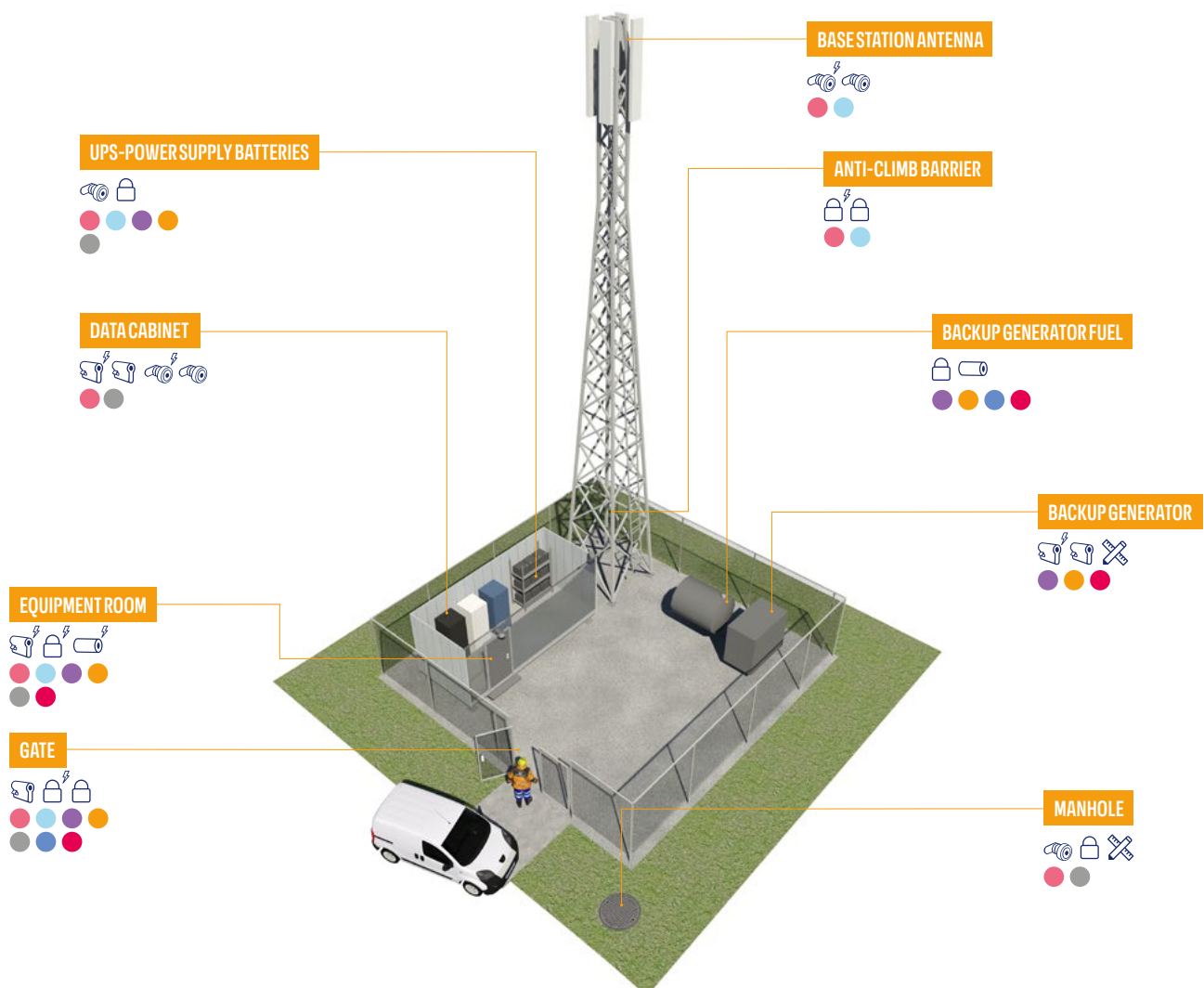
Case example: telecom site security

Access Groups

- Teleoperator, personnel
- Telecommunication mechanic, maintenance
- Emergency power, maintenance, backup generator and UPS
- Power Company, maintenance
- ICT services, maintenance
- Fuel Deliverer
- Fire Department

Products

- | | | | |
|---|-----------------------|---|-----------------------------|
|  | Cylinder CLIQ |  | Cylinder mechanical |
|  | Cam Lock CLIQ |  | Cam Lock mechanical |
|  | Padlock CLIQ/BEAT |  | Padlock mechanical |
|  | Key Deposit Lock CLIQ |  | Key Deposit Lock mechanical |
|  | Custom made product | | |





Reliability for every layer in data centre security

As there is an ever-increasing demand for computing power and data space, data centres are another essential element to secure within the telecom industry. From the infrastructure perimeter to the highly restricted internal data server areas, ABLOY comprehensive product range offers a solution for every security layer inside and outside data centres.

To minimize downtime and gain higher operational reliability, our solutions and products protect assets against the security threats. With PROTEC2 CLIQ and ABLOY BEAT technologies performing simultaneously both online and offline, access for accredited users is fast, simple and secure.










Whether it is internal doors or final exits, ABLOY Electric Locks are designed to work in conjunction with access, door automation and handsfree systems. Abloy's range of electric locks includes motor-operated locks, solenoid locks with handles and free mechanisms engaged by solenoids.

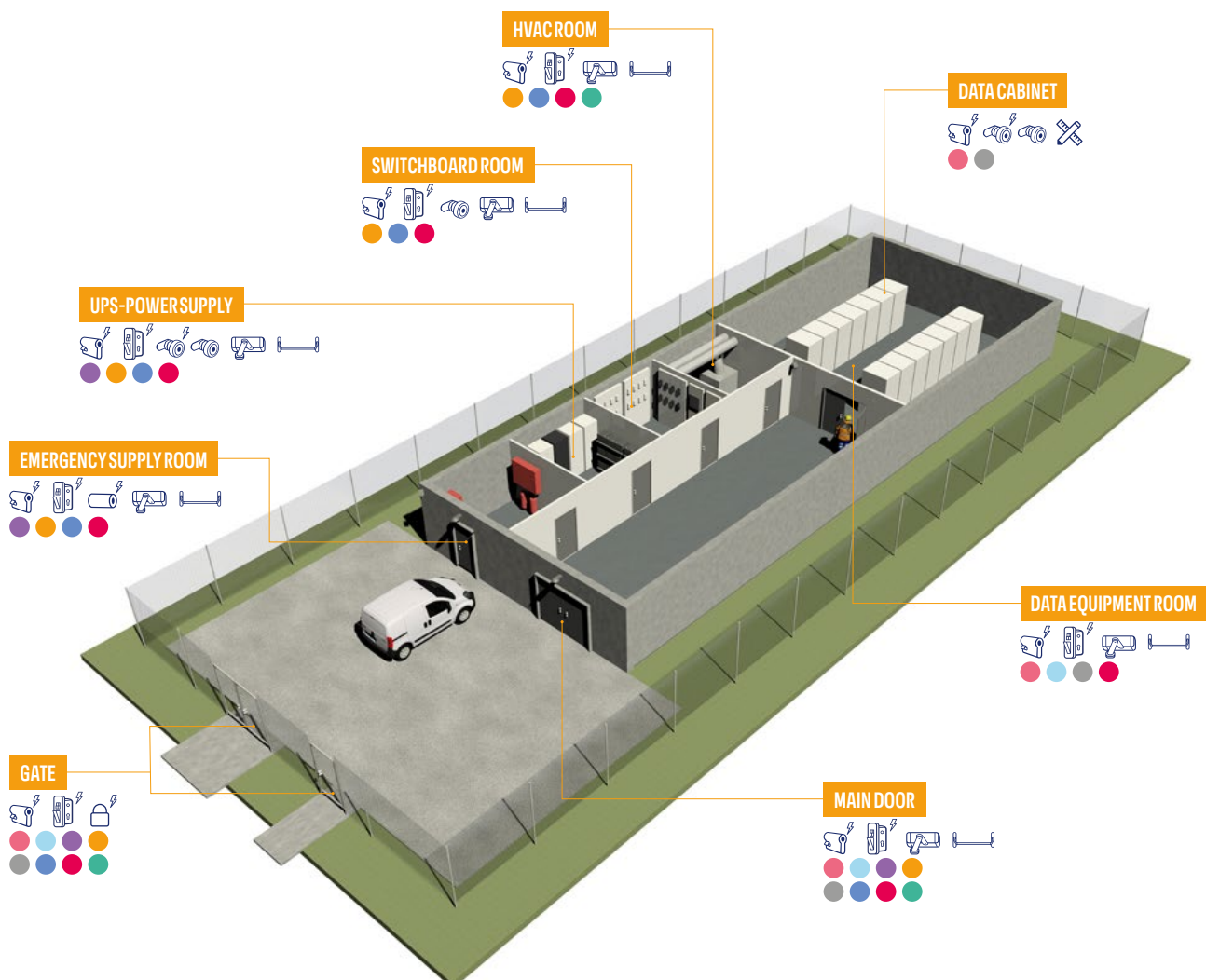
Case example: data centre

Access Groups

- Teleoperator, personnel
- Telecommunication mechanic, maintenance
- Emergency power, maintenance, backup generator and UPS
- Power Company, maintenance
- ICT services, maintenance
- Real estate service
- Fire Department
- HVAC Service

Products

- | | | | |
|---|---------------------|---|-----------------------|
|  | Cylinder CLIQ |  | Electric lock |
|  | Padlock CLIQ/BEAT |  | Key Deposit Lock CLIQ |
|  | Cam Lock CLIQ |  | Cam Lock mechanical |
|  | Door closers |  | Push bar |
|  | Custom made product | | |



French fibre network maintain uptime of 99.99%

When it was founded in 2014, ZeFil inherited operations sites scattered around 37 municipalities in the Toulouse area. Each was equipped with different locks and mechanical keys. Physical key management had become a major headache and was beginning to put service quality at risk, so the company tendered for a new access control system.

According to the requirements specified by the customer, the system had to be able to:

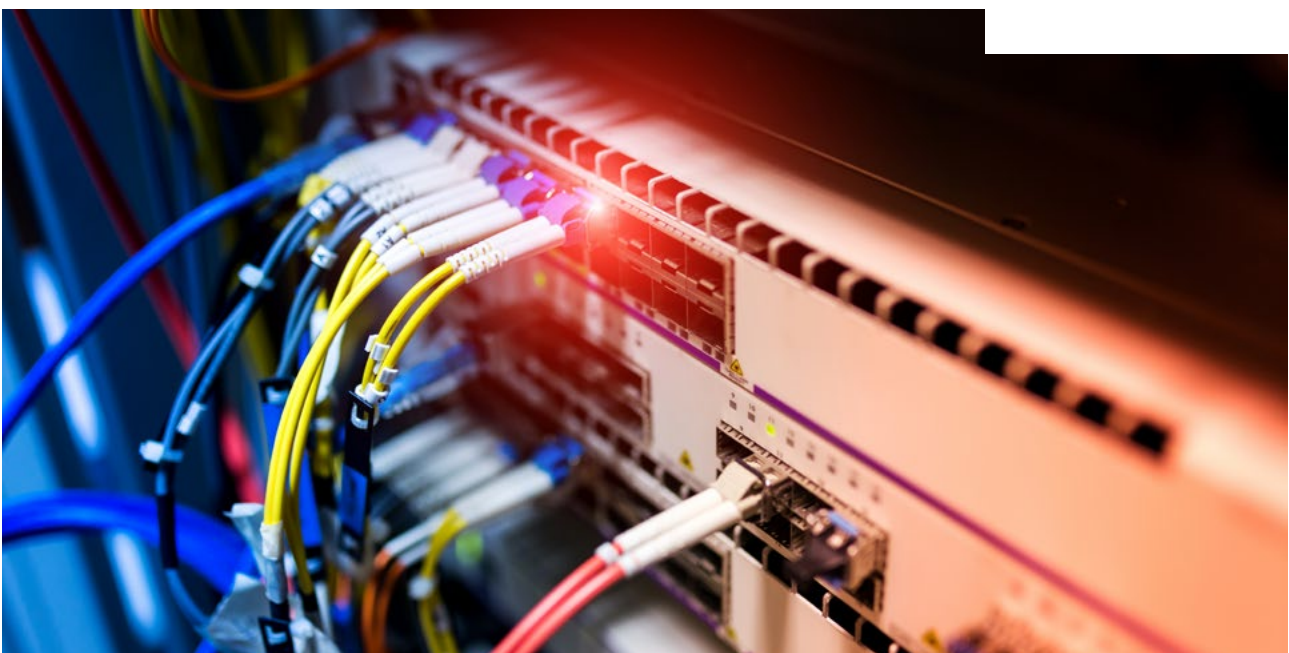
- Ensure high levels of security at all ZeFil operating sites/premises
- Grant access rights very precisely for different employees and contractors, based on very precise access needs
- Supply wireless devices to fit each of ZeFil's multiple door types, without the need to run power cables
- Ultimately, ensure ZeFil operators and sub-contractors are able to carry out maintenance quickly and maintain service quality at 99.99%

In the end PROTEC2 CLIQ locking from ABLOY was the only solution, which met every criterion. Wireless cylinders have now been installed at all ZeFil's various operating sites and more than 30 programmable CLIQ keys have been distributed to employees and service providers.

Each person carries their own key programmed with personalized access permissions. Key-holders were given the choice between classic updating of key access rights via a programming device in central Toulouse, or CLIQ Connect keys updated via an app on the user's smartphone. For CLIQ Connect key-holders, the travel time that was previously spent on getting the right mechanical key is now spent on-site, working towards optimum network operation.

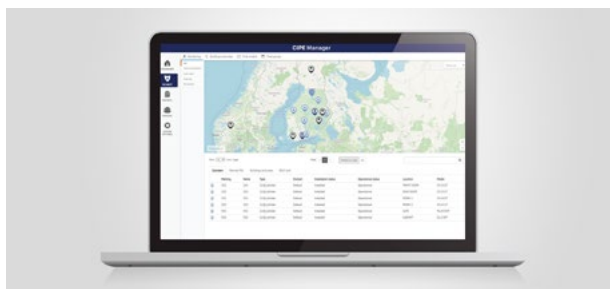
"The fact that the locking cylinders are autonomous, without any need to bring electricity to the site, while allowing to manage access rights in a very fine manner, is exceptional, I am seduced by this solution!"

Philippe Mlakar
Managing Director, ZeFil



Comprehensive Product Range

Abloy is a proven supplier of security and safety solutions for all assets in the critical infrastructure environment and handles every aspect of security upgrade projects with care and expertise.



CIPE MANAGER

With CIPE Manager, you can manage your digital, electronic and mechanical solutions, plus user rights on the go with a highly visual and user-friendly interface. ABLOY BEAT, PROTEC2 CLIQ and other digital portfolio solutions are all managed with CIPE Manager.



ABLOY® BEAT

ABLOY BEAT is a new keyless locking solution that is operated with a digital key and secured with the Seos® credential technology, specifically made for critical infrastructure protection. It's managed with CIPE Manager or can be integrated into third-party systems, so you are always in sync with your security situation within all critical infrastructure, industry and businesses.



PROTEC2 CLIQ™

PROTEC2 CLIQ is Abloy's comprehensive and flexible key and access management system. It's a wireless solution with quick and easy installation, electronic keys and an audit trail feature. It's easy to use and manage, making updating quick and efficient. It's also scalable for future needs and can be integrated with other systems.



ABLOY® CAM LOCKS

ABLOY Cam Locks are suitable for a wide range of applications including electrical cabinets, switch cabinets, distribution cabinets and other fittings.



ABLOY® ELECTRIC LOCKS

ABLOY Electric Locks go beyond the industry standard to set the benchmark. Designed for a seamless, aesthetic and smooth performance in every circumstance, the ABLOY Electric Locks are suitable for high security environments and easily integrated into your access control system.



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ABLOY offers security and locking innovations dedicated to creating more trust in the world. Combining digital and mechanical expertise, Abloy Oy develops industry-leading security solutions that protect people, property and business. Abloy is part of the ASSA ABLOY Group, the global leader in access solutions. Every day, we help billions of people experience a more open world.

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Abloy maintains Product Security Center at www.abloy.com/securitycenter. We recommend that You check the Center on a regular basis in order to be fully informed of product security updates, so that your knowledge of our products remains optimal.

It is the customer's responsibility to define the required level of security, whilst taking into consideration relevant factors for its operations. To achieve the overall level of security required in the customer's operations multiple layers of security must be in place. These include for example locking system, key management system, access management, CCTV and alarm system as well as physical security in a manner and level specified by the customer.

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