



SECURED BY  
**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 best.



## 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 real-time controlled access rights and mobile convenience, ABLOY solutions ensure that only the right people go in and out.

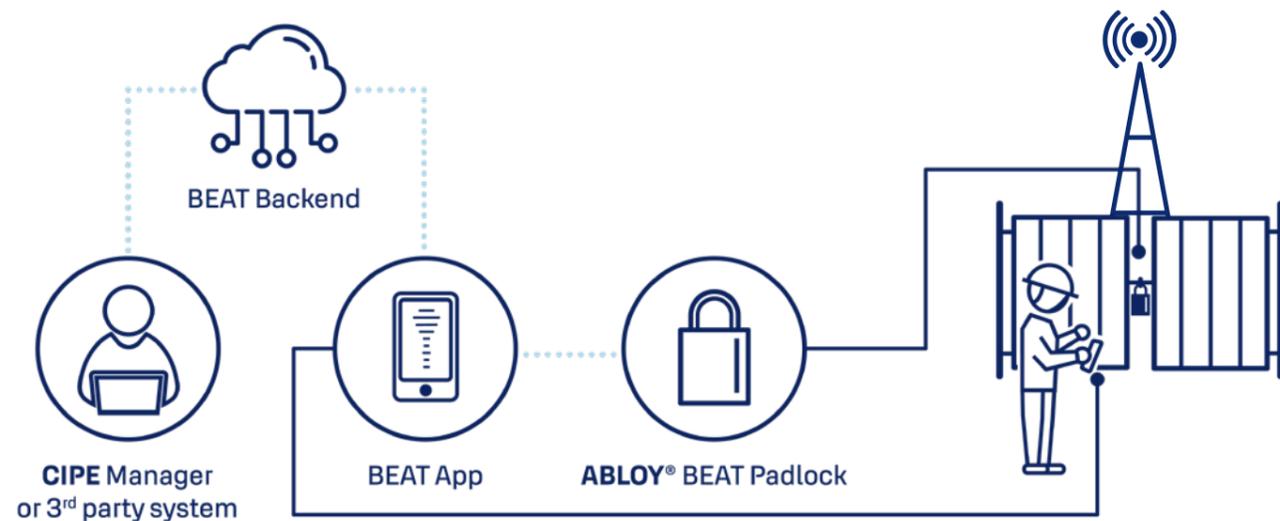
Our complete portfolio of cylinders and cam locks for inner doors and Super Weather Proof padlocks with electromechanical or digital keys for gates are reliable whatever the conditions. Controlled from your mobile device, the ABLOY BEAT Bluetooth padlock boosts operational efficiency while reducing logistics 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 in real time to the right people and to be able to monitor all transactions 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



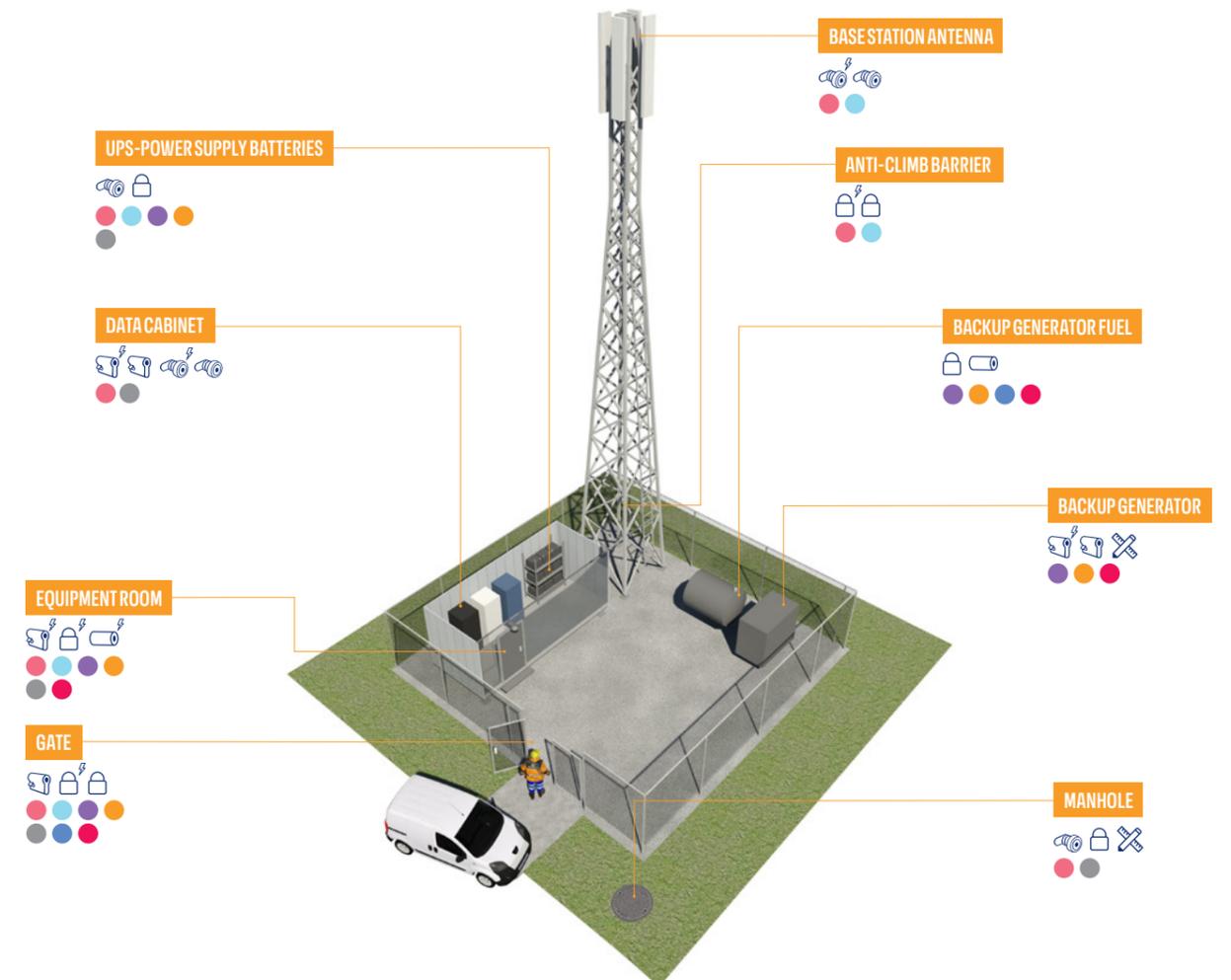
## Case example: telecom site security

### 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 covers every security layer inside and outside data centres.

To minimize downtime and gain higher operational reliability, our solutions and products secure assets against every physical threat without compromising cyber security. 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.

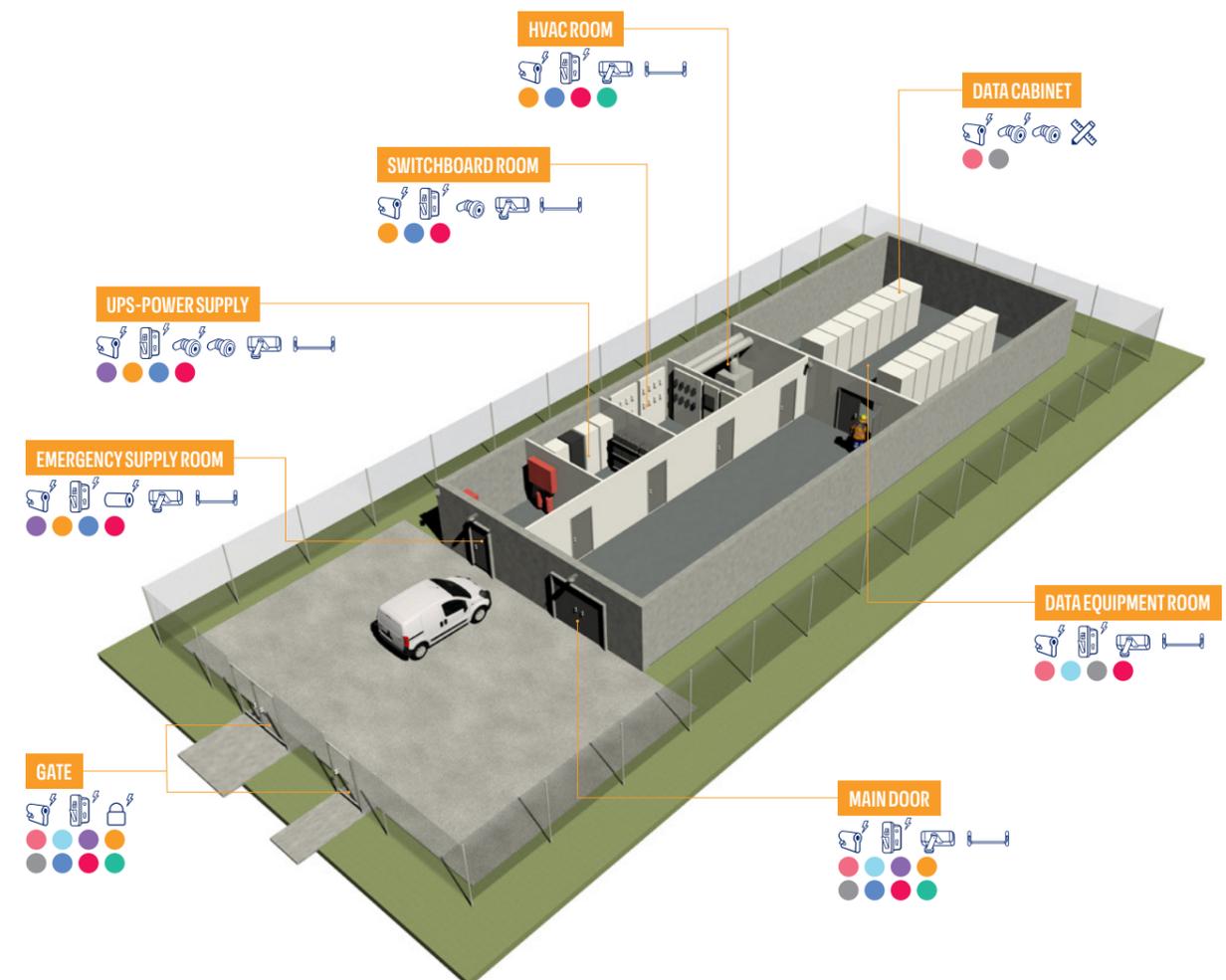
## Case example: data centre

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



# 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:

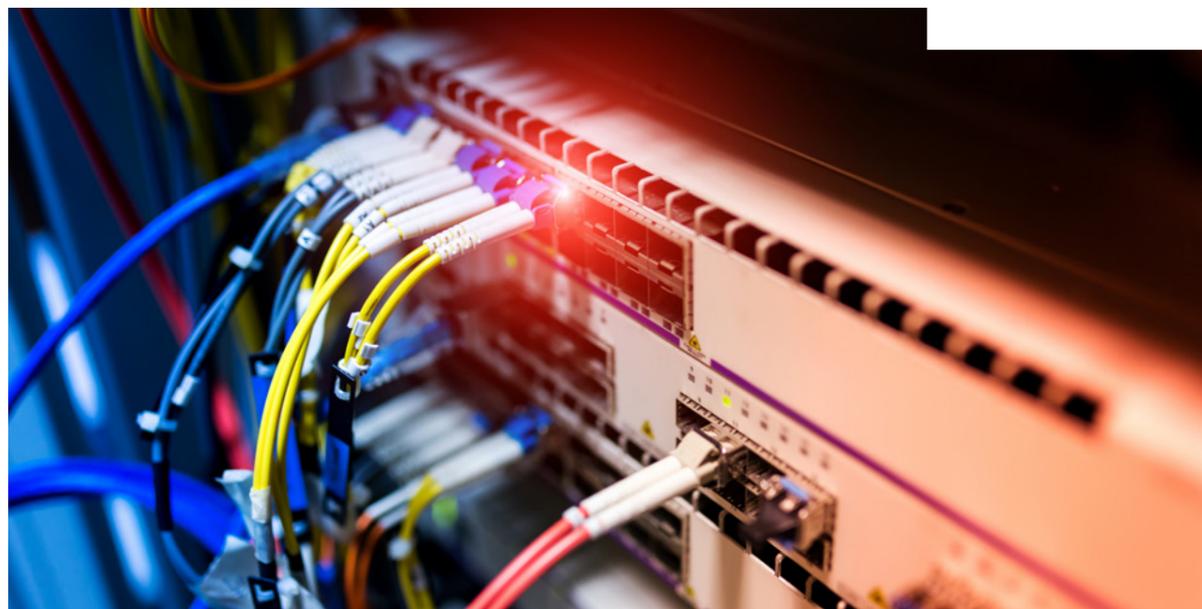
- Ensure high levels of security at all ZeFil operating sites/premises
- Grant access rights very precisely for different employees and contractors, based on very precise access needs
- Supply wireless devices to fit each of ZeFil's multiple door types, without the need to run power cables
- Ultimately, 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.

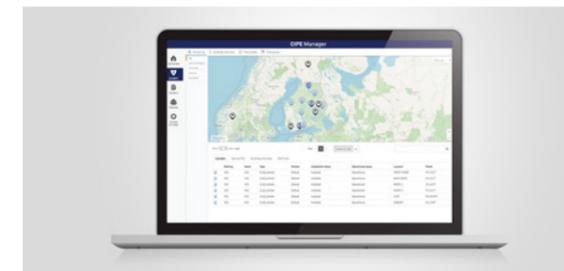
"The fact that the locking cylinders are autonomous, without any need to bring electricity to the site, while allowing to manage access rights in a very fine manner, is exceptional, I am seduced by this solution!"

**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

CIPE Manager gives you total awareness of your security situation. 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 digital locking solution that includes a Super Weather Proof Bluetooth padlock that is operated with a digital, mobile key and secured with the best-in-class Seos® credential technology. It's managed with CIPE Manager or can be integrated into 3rd 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. It provides instant and precise situational awareness of movements. 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. They're the smartest part of your access control system and are easily integrated. They provide real-time information about all your door usage and access rights. They're designed for a seamless, aesthetic and smooth performance in every circumstance. They set a new standard for trust behind every door.



SECURED BY  
**ABLOY**

8808800 | 4/2021 | Subject to change without notice.

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.

Abloy Oy  
Wahlforsinkatu 20  
P.O.Box 108  
FI-80101 Joensuu | Finland  
Tel. + 358 20 599 2501  
Abloy.com

This content is protected by Intellectual Property Rights Laws. The title to the content shall not pass to you, and instead shall remain with Abloy Oy or a third party holding the title. Abloy develops continuously the products and solutions offered. Therefore, the information contained in the document is subject to change without notice. ABLOY PROVIDES THIS CONTENT ON AN "AS IS" BASIS WITHOUT ANY WARRANTIES OF ANY KIND EXPRESS, IMPLIED, OR STATUTORY."

