

# SECURING REMOTE TOWERS

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### Challenge:

With over 14 million cellular customers, one of the largest cell phone carriers in Spain has a large customer base and a broad coverage area. This requires thousands of remote tower sites and network facilities throughout their service area. Each site requires a means of security that ensures only authorized personnel can enter the tower site or facility. In selecting an access control system, durability was one of the main concerns due to the fact that many sites are exposed to a variety of harsh weather conditions. From salty, humid environments, to cold, snow-capped mountains,



the system used to secure facilities and towers had to be able to withstand the demanding environmental conditions. In addition, the system had to allow for management of access to their sites for both employees and outside contractors. Nearly 80% of personnel that required access to tower sites and facilities were outside contractors. With a high turnover rate, key control was a serious factor in identifying the appropriate security solution.

### Solution:

The main benefits of the CyberLock system were immediately evident. CyberLock electronic cylinders are exceptionally reliable, even in harsh, unpredictable weather climates. CyberLock cylinders feature industry leading weather resistance, withstanding temperatures ranging from  $-40^{\circ}\text{C}$  to  $70^{\circ}\text{C}$  (non condensing). Likewise, CyberKey smart keys can withstand temperatures from  $0^{\circ}\text{C}$  to  $50^{\circ}\text{C}$ .

Over 38,000 CyberLock cylinders have been implemented in a variety of locations to ensure the security of telecommunication assets in Spain. With over 380 cylinder designs, including padlocks, cam locks, European cylinders, switch locks and more, CyberLock cylinders can easily retrofit into existing hardware, making the installation process simple and fast. In addition to the locks, over 5,000 CyberKey smart keys, 80 wall-mounted key authorizers and 2,500 infrared key communicators have been implemented. With its wide range of products, CyberLock is able to meet 99% of the security hardware needs.

The CyberLock electronic access control system is completely scalable, which means it can meet the growing needs of this large telecom system. The cellphone carrier installed CyberLock in 2009, expanding their system as time, budget and company needs dictate. New keys and cylinders are purchased on a regular basis to cover the needs of their growing service area. The solution is fully integrated with IT systems to meet internal requirements and the CyberLock system provides a significant return on their investment by securing critical locations for a reasonable cost. The CyberLock electronic access control solution continues to meet the ever-changing and demanding needs of the growing telecom provider.