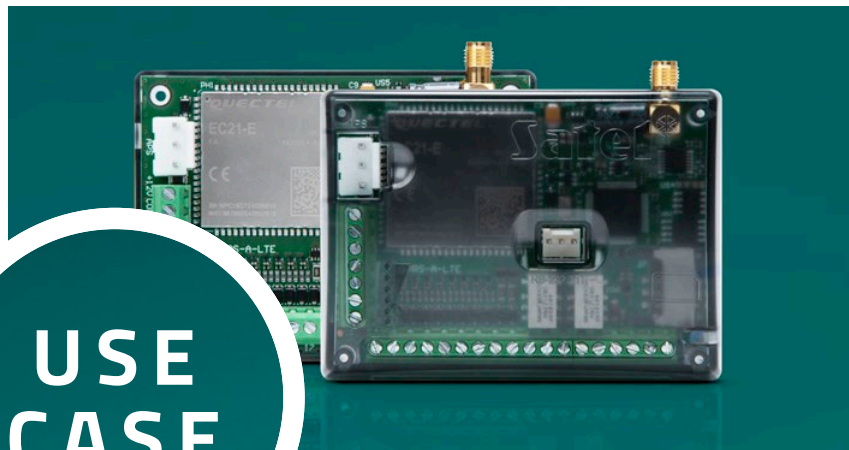


GPRS-A LTE



**USE
CASE**



**SATEL AUTOMATES
CAR PARK MANAGEMENT**

The Challenge

Effectively managing access to private car parks with heavy traffic flow like those in factories, office buildings and apartment buildings.

The most common requirement is an automated parking barrier which is cost-effective, secure and above all easy to maintain. Traditional automated parking barriers are controlled by **battery-powered keyfobs** which **can cost anywhere from €5 to €25**, take time to configure for each user, need replacing when either the buttons or battery wear out and are often unpopular with users who need one keyfob for their apartment building or gate at home and another for their workplace.



The Solution

The GPRS-A LTE is an easy to install universal module equipped with telephone designed for use in the 2G, 3G and 4G cellular networks with the ability to control other systems.

Many products can **automate the barrier** in this use case but GPRS-A LTE can do so **cost-effectively and securely**.

The trigger input for the 'barrier up' function inside the parking barrier can be connected to an output relay on GPRS-A LTE which allows the barrier to be controlled using CLIP.

Four programmable outputs can be remotely controlled using SMS, CLIP, the GX CONTROL app or the GX Soft desktop application. Two of the outputs are relays, whereas the other two are open-collector (OC) outputs. This means that premises which have dual car park barriers can control them using just one GPRS-A LTE communicator.

One of the costless methods of communication and control with GPRS-A LTE is Calling Line Identification Presentation (CLIP).



How does CLIP work?

Calling Line Identification Presentation (CLIP) is a telephony service which provides the called device with the telephone number of the calling party on all incoming calls. CLIP can be configured to accept all incoming calls or to only accept calls from specific telephone numbers, which limits the number of users who can use the communicator but increases security. The CLIP functionality can be used as an input whereby automated actions (such as switching an output on or off) can be triggered the instant a CLIP call is received.



GPRS-A LTE can be configured so that **up to 10,000 users** can control one or more of the outputs using CLIP. In reality, this means that 10,000 people can securely open a car park barrier **without** either a **keyfob** or human interaction.

The employees of the factories/offices or the apartment owners can then save the telephone number of the SIM card in the GPRS-A LTE to their contacts. They can then pair their mobile phone with their car and save the contact number for opening the car park barrier as a favourite or shortcut on the screen of their car dashboard. They can also open the barrier easily using Google Assistant or Siri by saying, "Call Barrier" to dial the GPRS-A LTE phone number or just choose this number from the speed-dialing list on their mobile phone. This delivers a simple and convenient solution to open the car park entrance without the need for substantial administration or expensive additional keyfobs.

The Results

Premises which deploy GPRS-A LTE to control their car park access have a secure, cost-effective and above all simple solution in comparison to a traditionally resource-heavy and expensive system.

Using CLIP allows the barrier(s) to be opened quickly and easily when the car park is busy. The other advantage of this solution is eliminating costs for keyfobs or constant administration of adding/removing users in the system. Additionally, the calls made when using CLIP communication between a mobile phone and GPRS-A LTE are free. A traditional system to control one barrier could cost a company or apartment building of 1,000 people anywhere from €5,000 - €25,000 to deploy, in contrast, a solution using GPRS-A LTE has the one-off cost of the communicator and a minimal monthly cost for a SIM card.



the savings are apparent and substantial

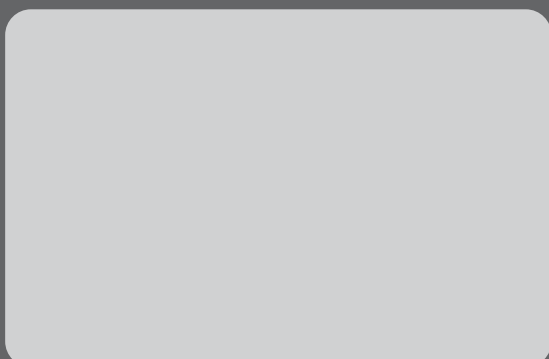
The Benefits

- ✓ Significant savings for controlled car park barriers and communal garage doors.
- ✓ Comfortable solution for users – no need for keyfobs or proximity tags.
- ✓ Simple and fast setup.
- ✓ Improved parking experience by simplifying and speeding up the entry and exit of users.
- ✓ Minimal administration.



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The manufacturer reserves the right to change the specification and technical data of devices.
Images shown are for general information only and may differ from actual products.
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30 YEARS OF EXPERIENCE

Professional protection of each type of premises, as well as people staying therein, through advanced, yet functional and cost-effective solutions – these few words may serve as the shortest description of the mission of SATEL, a manufacturer of security systems with involvement of 100% Polish capital. Due to integrity in business and a special emphasis on high quality and a wide range of products offered, the SATEL brand has been highly appreciated in the industry for 30 years.

This philosophy of management and hard work of more than 350 SATEL's employees produce tangible results. The wide range of over 400 offered products provides countless opportunities to create security, home automation, fire alarm, access control and monitoring systems, tailored to the individual needs of each user. At the same time, these systems meet all requirements prescribed by Polish and international regulations and industry standards.

Bringing the functionality of devices into line with current requirements and expectations of the market with the use of the latest technologies is one of the main objectives of SATEL. For this reason the design and production departments of the Company are continuously being modernized and expanded. A natural consequence of all actions aimed at the production of top-quality devices was the introduction of the quality management system conforming to ISO 9001 in 2002. Regardless of this certification, SATEL also carries out a full functional test of all products leaving the production line, thus ensuring reliability of the manufactured devices. Focusing on modern design and attaching importance to the highest levels of quality and functionality of its products, SATEL has gained many satisfied customers not only in Poland but also in more than 50 markets worldwide.