

Axxes Business Park Merelbeke



The Axxes Business Park is located in Merelbeke, south of Ghent, along the E40 and R4 (ring road around Ghent).

It is one of Ghent's best-known peripheral office parks.

The Axxes Business Park in Ghent was designed as a striking, easily accessible office complex with 30,984 m² of office space spread over 8 buildings and surrounded by vegetation and water.

It adjoins a 2-hectare park with many opportunities for sports and leisure.

OBJECTIVE

The Axxes Business Park in Merelbeke is a business site with associated parking facilities provided both at the front and rear of the building and underground.

The high occupancy rate of the buildings results in high demand for parking spaces.

Of the total capacity of 910 parking spaces, each of the 38 companies will be allocated a maximum quota based on the rented sqm of office space.

SPECIFIC NEEDS

- There is limited parking capacity for visitors and the arrangement of the parking solution should provide that each space is maximised.
- Due to high occupancy and many employees, there is a peak load during mornings and evenings, the solution should provide a smooth inflow and outflow.
- There is a need for a solid and stable parking solution that has the capabilities and flexibility to meet the needs of all target groups of parking customer.
- Easy and smooth access for unregistered visitors.
- The parking solution should manage the quota of parking spaces per company properly and efficiently as possible.
- A payment and validation solution should be provided for unregistered visitors.
- To strike the right balance between places rented through quotas and places made available for unregistered visitors, quotas may need to be adjusted for some companies.
- Well-managed parking is crucial, with very frequent use of the car park there can always be situations where a parking customer needs support. A solution to be in touch with the parking customer is appropriate here. Sound and professional management during and after office hours is essential here.

OFFERED SOLUTION

HARDWARE

The entrances and exits of the car park(s) are equipped with kiosks and barriers. Number plate recognition allows users to enter and exit the car park.

The kiosks are equipped with a 12" colour touch-screen display. Users are instructed by messages what to do.

An intercom is also provided allowing users to reach a help desk officer.

There is one entrance, two exits and a bi-directional passage for tenants and suppliers.

Suppliers are given access by height detection.

CIVIL WORKS

To install the kiosks and barriers, traffic islands were constructed and cable conduits and cabling were installed.

To secure the barrier against collisions, the necessary safety loops were provided in the road surface.

SAAS-PLATFORM

All equipment is connected to a cloud-based management platform to set up, manage and monitor the car park(s).

A network infrastructure was also provided to enable this.

Peripheral equipment is provided to ensure that the parking(s) continue to work at all times, even in case of internet outages.

The online platform controls all hardware equipment and records all system setting of the parking(s) such as; start time, end time, cash value, time value, number, reserved, weekly profile, rate calculation, company, participant etc.

Through the online platform (also usable on mobile via an app), parking spaces are booked and paid for in advance using time slots.

Specific target groups set in the car park(s) are:

- **Employees:** these are the employees of the companies located on the site who can access the car park within the fixed quota of rented parking spaces.
- **Employees with a fixed space:** Some parking spaces (in front of buildings) are rented out with a fixed space guarantee. Here, companies provided paying more can ensure that spaces close to the building are reserved.



- **Registered visitors:** These visitors are pre-registered in the parking system via their license plate and so recognised by the software.
- **Unregistered visitors:** These visitors use the car park without being previously registered by one of the companies
- **Deliveries:** Users of the car park to deliver goods to the companies.
- **Cyclists:** Bicycle stands are provided at various places on the site.

Administrators have management rights to all data.

The companies have visibility on the data relating only to them.

Then there are the users themselves, who can see a history of their own sessions.

From that data, graphs can be extracted to gain insight into the use of the car park and the system, both for progressive insight and for billing purposes.

Through the online management platform, it is possible to;

- The car park manager can manage all companies in the system. For each company, it is possible to configure the maximum number of users and the maximum number of spaces (quota).
- Each company has access to a web-based portal within which they can manage both subscriptions (employees) and occasional visitors. Registration is by license plate. Both target groups count towards the quota of the relevant company.

- In addition, any company opting for this can have the option of validating unregistered visitors through a web portal by entering the license plate. This immediately adjusts the quota/count rate to the parking equipment.
- Reporting on quota utilisation per (adjustable) time unit. The 'usage' quota takes into account subscriptions present, registered visitors present and validated short-term parkers.
- Reporting of the registration and validation of 'more-usage' per company with linking of time rate to make additional billing easy.

SIGN WITH COUNTER PER QUOTA

A digital signage counting board is provided at the entrance complex. Via graphic displays at the entrances, parking users are informed regarding their quota.

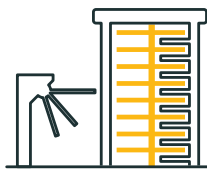
MAINTENANCE AND WARRANTY

The parking facility is available and functional 24/7.

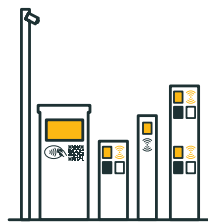
To ensure this continues, a maintenance contract was concluded for a period of at least five years.



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