

Tech Lane Ghent business park 'Eiland Zwijnaarde'



Various public and private partners are working together to develop the 'Eiland Zwijnaarde' business park in Ghent and the Ardoyen Technology Park.

All partners have high ambitions in terms of sustainability, ecosystem and architectural image quality.

OBJECTIVE

To maximise the complementarity in parking demands from companies, we are working with a clustered parking organisation on 'Eiland Zwijnaarde'.

In this way, the parking area is used flexibly according to actual needs.

SPECIFIC NEEDS

- Parking is only allowed in the communal car parks and designated parking areas
- Reservation in advance is obligatory
- Privileged parkers always have a parking space available
- Companies can rent a fixed number of parking spaces per year
- Visitors can reserve a variable parking space through a company (limited in time)
- Possibility of extending a reserved space (both before and after booking)
- Overarching booking portal for the manager, car park operator(s), companies, user and visitor
- For users and visitors, the booking portal is also available by app
- Securing the unmanned car park
- Link with control room

OFFERED SOLUTION

HARDWARE

The entrances and exits of the car park(s) are provided with kiosks and automatic barriers. Users can enter and exit the car park by QR code and/or number plate recognition.

The kiosks are fitted with 12" colour touchscreen screens. Users are instructed by messages what they should do.

There is one entrance, one exit and a shared entrance and exit. The shared entrance/exit is provided with a lane signalisation (green arrow/red cross).

As the car park(s) are unstaffed, camera surveillance and street lighting have also been provided.

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 monitoring the car park(s). To make this possible, a fixed Internet line from Proximus is provided.

Peripheral equipment is provided to guarantee that the car park(s) will continue to work at all times, even in the event of an internet failure.

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

Using the online platform (also available for mobile use 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:

- **Administrator:** Management rights for product creation. Reporting capabilities to occupancy/utilisation/billing.
- Companies who rent a fixed number of parking spaces per year for their employees. And reporting capabilities for only their users.
- **Visitors:** variable parking spaces which are reserved by visitors through a company.
- **User:** each user can view his reservation - and if there is capacity, expand it before or after his booking.

Administrators have management rights to all data.



The companies have visibility into the data that relates only to them.

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

From this data, graphics can be extracted to gain insight into the use of the car park and the system, both for progressive insight and settlement.

Through the online management platform, it is possible to

- Set the number of parking spaces per business (maximum or guaranteed capacity).
- Create different rates (linear, progressive or degressive) per unit of time and in real time.
- Setting a separate tariff on certain calendar days or during events.
- A graphical representation of the occupied parking spaces in the car park, possibly grouped by company.
- To track the history of all fault and alarm reports.
- Maintain counts of all incoming and outgoing vehicles per visitor (reservation) and season ticket holder.
- Maintain counts of parking products used.

CONTROL ROOM

In case of emergencies, users can call an control room.

The control room has access to the real-time camera images so they can even better assess how to help or guide the users.

In the process, all actions are logged on the online platform.

MAINTENANCE AND WARRANTY

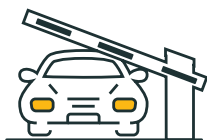
The parking facility is available and functional 24/7.

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

FOR YOUR INFORMATION

Purchase price: €140.000 excl. TAX

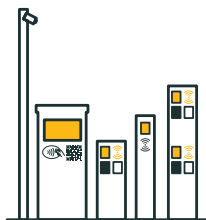
Implementation date: Novembre 2022



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Brandstraat 8a | 9160 Lokeren | Belgium

T +32 [0]9 340 54 70

hello@alphatronics.be

www.alphatronics.be