



ALPHA STANDARDS

**SMART
PARKING SOLUTIONS**



INTRODUCTION

One of the crucial responsibilities of the property management for the landlord or lessees of parking spaces is the management of parking capacities. There need to be appropriate parking possibilities for customers, employees and neighbours because the parking space is often included in the rental service or monthly rents for the parking space need to be paid anyway. Important tasks for the landlord or tenant are therefore still:

- Will there be enough car-parking space provided?
- Will the available parking spaces be used as efficient as possible?
- Are parking spaces used by external users?
- How will the parking search traffic in the area be minimized?

ALPHA Standards develops a mobility concept tailored to the needs of the individual client by using a modular principle which leads to an optimal parking solution system for every parking area.

SOLUTION

There are various providers in the market for technical developments by all elements of parking space management.

Those don't offer a broad mobility concept tailored to the client's needs, because normally one individual supplier can not cover the necessary portfolio of products and services.

ALPHA Standards fills this gap with the development of own software solutions, a broadly diversified network of partners for hardware solutions and with its own team of developers, which designs adapted solutions upon customers requests.

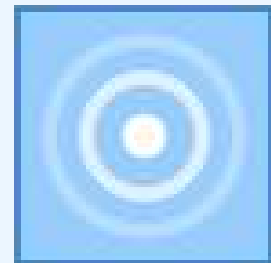




ALPHA Standards develops innovative and sustainable solutions for all types of parking garages and parking areas.

In the foreground we focus on the digitalisation of the entire parking process, ranging from access, sign posting through to services like reservation and payment from parking spaces - we find the best solutions and offer a detailed project description as well as a reliable calculation.

Our experience in all ranges of the whole parking world will get each individual project to its destination.





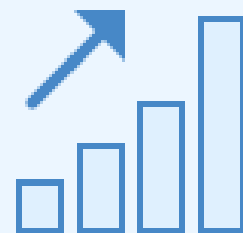
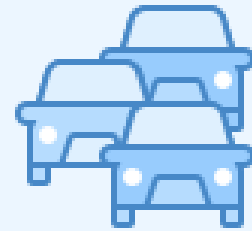


ALPHA Standards integrates parking areas into a booking platform according to the specifications of each customer.

This allows the company to make flexible and optimal full use of its parking capacity by providing its parking spaces only to a specific, internal or unlimited user groups.

Parking spaces can thus easily reserved and paid by verified users via an application. For example: A parking area is required Monday to Friday from 8AM to 6PM by employees and customers.

Since there are not enough parking spaces for all employees, they share the parking spaces via ALPHA Booking. Outside the working hours the parking space is empty. These parking spaces can be rent via different apps to third parties. Consequently more income can be generated and parking spaces are better utilised.



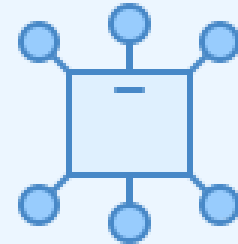
The image displays three screenshots of the ALPHA BOOKING mobile application interface. The first screenshot shows the 'Parking availability' screen with a calendar for April 2019. The second screenshot shows the login/sign up screen with fields for email, password, and a 'Sign Up' button. The third screenshot shows the 'My bookings' screen with a list of reservations.

Location	Date	Action
P - 335	Apr 12, 2019	Cancel
A - 133	Apr 13, 2019	Cancel
A - 257	Apr 14, 2019	Cancel
D - 115	Apr 17, 2019	Cancel
P - 104	Apr 19, 2019	Cancel
D - 115	Apr 17, 2019	Cancel

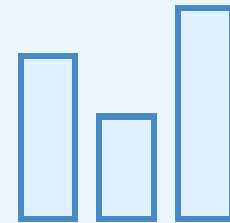


ALPHA Standards analysis platform allows companies an optimal parking facility management.

This platform provides the occupancy status and length of occupancy as well as a real time visualisation of occupancy and allows forecasts. Systems like barriers, LPR, single space detectors, camera and ticket machines that have already been incorporated by the client can be integrated via the platforms interface. Those will be integrated through the API of their respective systems into the platform.



The client has access to all relevant evaluations and forecasts of his parking spaces. Furthermore with our analysis platform there can be built up a demand pricing model. The system independently recognises the demand at some periods of the day and based on a forecasts the price per parking space can be adjusted. Revenues are thus increased.



Sport Center

LOTACÃO
117
Capacity: 287

FLOW
ENTRANCES: 5
EXITS: 0
Last hour

REGULAR
163 available of 277

HANDICAPPED
5 available of 6

SPECIAL
2 available of 2

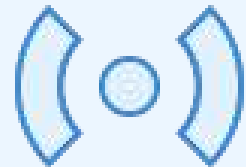


ALPHA Standards has a broad portfolio of partner companies that provides sensor technologies or further required hardware solutions tailored to each client.



All technologies can be effortlessly incorporated into ALPHA Standards infrastructure and ALPHA Standards will provide professional consulting to its clients.

It identifies various optimization potentials that can be achieved by installing a suitable technology.



SENSOR TECHNOLOGIES I

IDENTIFICATION

The identification of vehicles or users can be taken by our sensor technology. Clients are therefore notified which vehicles or users are currently on his area. Furthermore the systems will generate overviews which vehicles are stated as his parking area at which time and for how long.



SINGLE PARKING SPACE REGISTRATION

The client will be provided a real time recording of the occupancy status of single parking spaces via sensors or optical detection.

This includes an overview which parking space has been occupied for how long. Therefore the navigation to the parking spaces, monitoring from illegal parkers or a reservation of specific parkings spaces can be taken.



SENSOR TECHNOLOGIES II

ACCESS CONTROL

The access to parking areas is usually regulated by a barrier system. Only a defined group of users get access to the area.

To reach an optimal utilisation of the parking spaces including maximisation of profits, it would be appropriate to allow an external user circle access to the parking area. This can be regulated via additional opening technologies.

Referring to the integrated technology the person who is searching for a free parking space identifies himself and after a successful registration and booking the barrier can be opened to access the parking area. Keys or chips are not necessary anymore.





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