TRITON

parkis

Parking System Portal

Introduction

Smart parking System

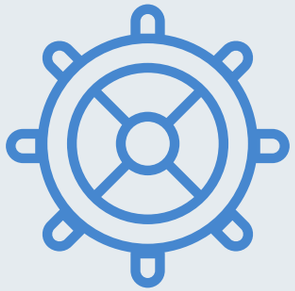
✓ **FLEXIBLE** rules and settings customised to each tenant's parking policy

✓ **DYNAMIC** parking places distributed according to the demands and flow

✓ **SHARED** places shared among employees, company visitors

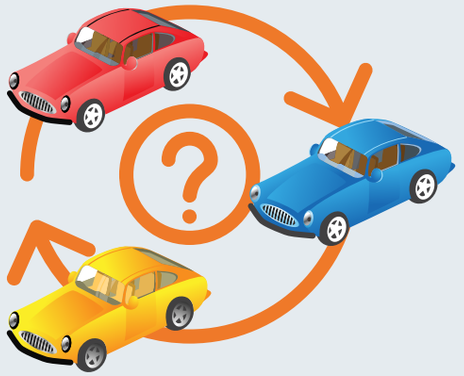
= **EFFECTIVE** getting most of your parking places

What you can do



- Manage companies, users, visitors and parking places from anywhere
- Share parking places effectively
- Leave your tenant companies users' management to their admins
- Integrate parking with other systems as access control system, visitor management etc.

Use case

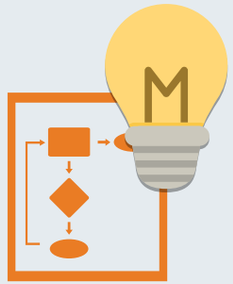


Imagine you have 500 parking spaces.
You have 10 tenant companies in the building, each of which has about 200 employees and rents different number of parking spaces. It is clear that not everyone can park at the same time.
One option offered by the standard system would be so-called group parking. You set up groups of users with a fixed limit for the number of cars in a parking zone and then simply put:
“First comes first served."

But this is not always ideal.

We need a kind of reservation system, a "fairer" way so that we don't favour some users above others but rather give everyone (or a selected groups) an equal chance to park,
not just the fastest one.

Solution



The solution is our Smart Parking system, which allows users to create **requests for a parking space** on a given day in advance. The system **runs draws (lotteries)** and selects the number of applicants to fill all current vacancies and activates the **daily access** for the lucky ones.
These users receive an email **notification** with information about the active reservation and granted access and then can park **without further interaction**. The user has an overview of their reservations in the **calendar section** of the web portal.
Tenant admins may also define users with a **fixed parking space** who do not have to partake in the draws, but rather have a permanent access to their space. For the efficiency's sake, users with a fixed spaces set an absence for the time when they plan not to be present, etc. During these periods the system uses their spaces for draws assigning the spaces to other users.

The rules are managed **separately for each tenant company** which rents parking spaces.

Application

Our PSP (Parking System Portal) application is actually a management system for booking, overview and **control of the parking flow**.
It also includes visitor management, reports, and integrations to third-party systems.

The PSP is rich in configuration options to best suit the car park operator's expectations.

Being it a responsive web application running on site's dedicated domain, it is **easily accessed** from any device and from anywhere.

Users, operators and admins have their parking management comfortably at their fingertips.

Smart functionality

Behaviour - The PSP also evaluates drivers' behaviour, which affects further chances of getting a space. The algorithm takes into account the granted parking reservations and thus favours users who have not been given a space for longer time. Users with equal score are then granted spaces randomly.

Draw strategy - There are several draw strategies available. User's cancelled reservation is immediately offered to the next awaiting user so that the number of free spaces is always used to the maximum.

More functions - Instant reservations, draws for future days, user's priority zone are some of the other options.

PSP Modules

Depending on the purchased licenses these main modules are available

Modules:

Base

Platform basic functionality

- **Roles** - permissions according to user roles managed by admins
- **Localisation** - user's preferred language
- **Settings** - tenant companies, their places, rules, user permissions, etc
- **Documentation** - each user has documentation available within the app
- **Logs** - admins have access to system and user events

Modules:

SharedPark

Users and places management with automatic tasks

- **Parking zones visual** - map of places, types, company ownership
- **Company settings** - draw times, access rules, limitations, etc
- **User management** - tenant admins have control over what they user's permissions and actions
- **Draw reports** - overview of offered places with user requests and winners
- **Parking behaviour** - user's score evaluation, etc
- **Email templates** - customisable email notification texts
- **Access types** - fixed place, draws, group limitation, instant booking, etc

Modules:

VisitorManager

Visitor management

- **Management** - creation, history of visits globally or per tenant
- **Reservations** - several different visitor scenarios - paid, free, partly paid, etc
- **Bonuses** - granting bonus to a visitor, many flexible options
- **Access media**: QR code ticket (printed or electronic), license plate, RFID card
- **Notifications** - visitors are notified when given access, when their access ends soon, etc
- **License plate edit** - visitor may update their current license plate before coming
- **Pricing reports** - tenant visits pricing summary for the parking lot operator
- **Visual timeline** - current day visitors overview

Modules:

AccessSync

Data exchange and communication for 3rd parties

- Shared parking management
- Visitor management
- Payments
- External user source - Access control user publishing parking users
- Optional ID provider - SAML support
- Navigation system with LPR
- Chargers for electric cars

For more info see the PSP API Specification.

Modules:

API

Data exchange and communication for 3rd parties

- Shared parking management
- Visitor management
- Payments
- Optional ID provider - SAML support
- Navigation system with LPR
- Chargers for electric cars

For more info see the PSP API Specification.

Module

Residents

Visitor management

- **Management** - creation, history of visits globally or per tenant
- **Reservations** - several different visitor scenarios - paid, free, partly paid, etc
- **Bonuses** - granting bonus to a visitor, many flexible options
- **Access media**: QR code ticket (printed or electronic), license plate, RFID card
- **Notifications** - visitors are notified when given access, when their access ends soon, etc
- **License plate edit** - visitor may update their current license plate before coming
- **Pricing reports** - tenant visits pricing summary for the parking lot operator
- **Visual timeline** - current day visitors overview

Module

Bonus Online

Simple visitor management

- **Granting bonus** to company visitors with many flexible options
- **Users** may be authorised to grant bonuses
- **Tenant Admin** has always an overview of issued bonuses