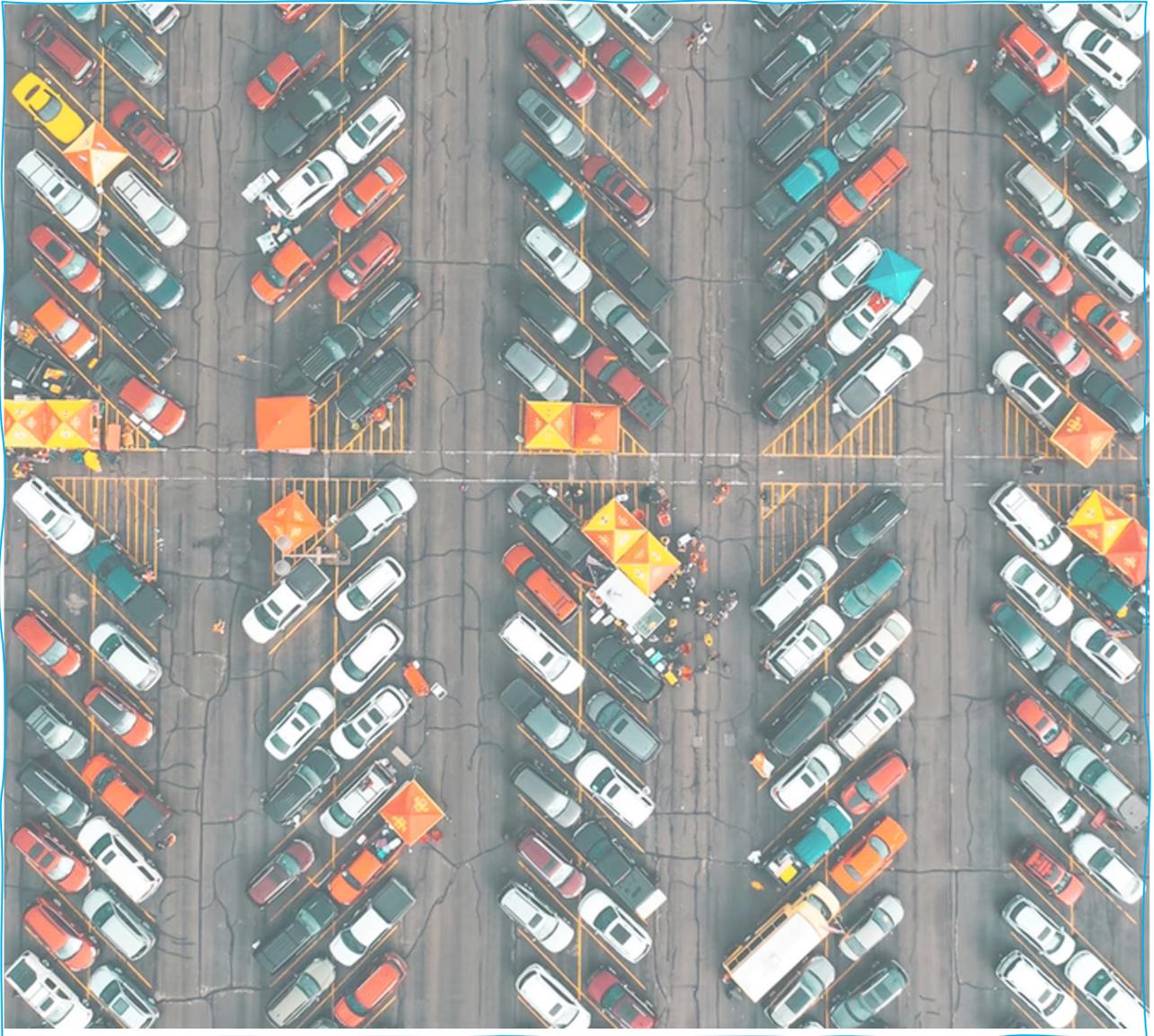


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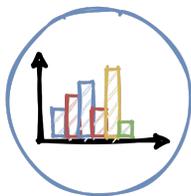
AI-DASH

Vertical Smart Parking



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AI-DASH VERTICALS

Customize **AI-DASH** through the verticals by adding new capabilities designed for specific application domains.



SMART SURVEILLANCE

Add a user interface designed to visualize and manage alarms turning AI-DASH into an *Event Management System*.

SMART ROOM

An easy and user-friendly tool to effectively manage shared working spaces like classrooms, museums, stores and so on.



SMART PARKING

Designed to simplify the management and monitoring of parking areas through access lists, chats, maps and usage statistics of spots and areas.

SMART STATIONS

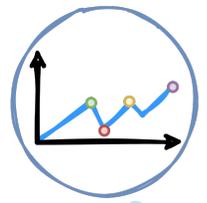
This vertical allows AI-DASH to be an effective tool to manage railway, maritime or bus stations thanks to map and table showing the estimated number of people on platforms, stops and waiting areas in real-time.



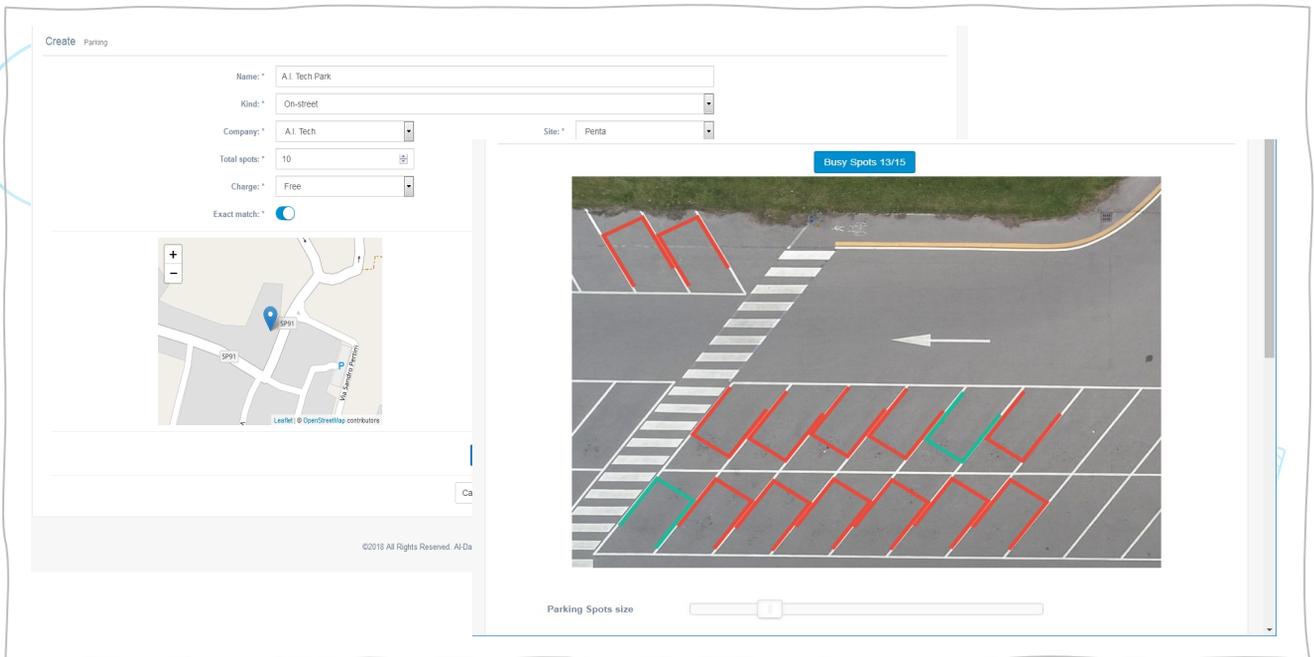
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SMART PARKING



The vertical *SMART PARKING* adds to AI-DASH the functionalities designed to help in managing both parking areas on the street and closed ones; it allows to monitor parking areas and spots and extract statistics of usage.



Collecting data coming from video analytics applications



Showing events with or without images



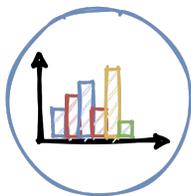
Evaluating the number of free spots in real-time



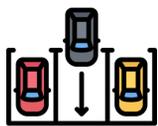
Statistics of usage



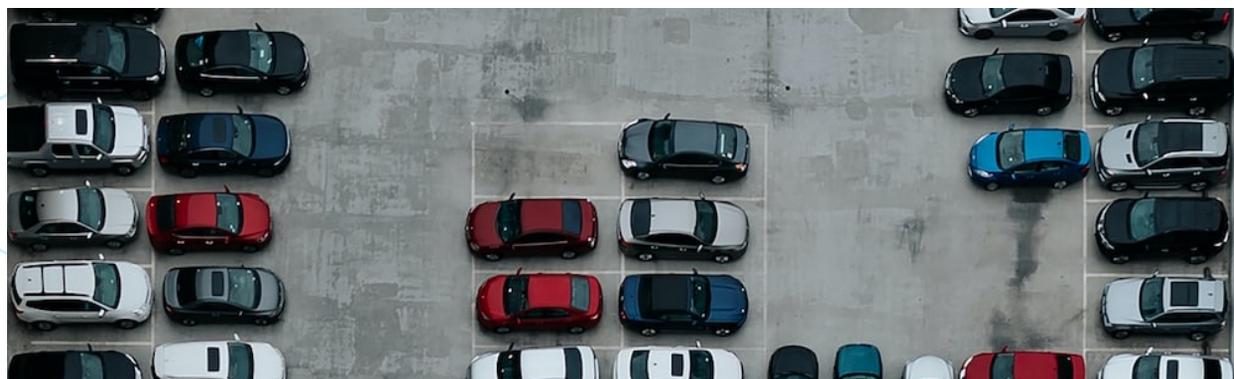
Visualization of the parking on a map



SMART PARKING



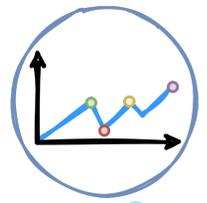
Street car parks are those parks where there are no entry and exit gates and the video solution is required to monitor the status of each individual spot (AI- PARKING).



Enclosed car parks have entry and exit gates and may have also barriers. In this case, it is possible to manage the access through LPR solutions (AI-LPR).



ENCLOSED PARKING



This kind of parking can be managed in the following ways:

- similarly to street parking by using **AI-PARKING** to get the status of each single spot;
- counting vehicles traversing the enter and exit gates through **AI-ROAD3D-DEEP**, thus estimating the number of vehicles inside the parking;
- using the video analytics solution **AI-LPR**, installed on the gates, to get the number of vehicle and manage access lists or the dwell times.



Dynamic real-time deny/access lists management using plates



Integration with barriers (e.g. those supporting HTTP commands) to automatically manage the access of allowed vehicles using access lists.



Estimate the number of free/occupied spots in the parking lot.

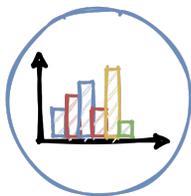


Compute dwell time of each vehicle



Get the list of vehicle's plates in the parking





STREET CAR PARKING

In this case **AI-DASH** can be used together with **AI-PARKING** a video analytics application to monitor, in real-time, the status of each spot according to the configuration provided by user. It allows to:

- evaluate the status [free or occupied] of each single spot;
- aggregate data from multiple cameras installed on the same parking;
- show real-time status of each parking spot on a map customizable by user;
- get usage statistics of the whole parking and of each spot.



Managing parking areas (aggregating spots from multiple cameras), single spots or parking lots (aggregating spots and areas)



Real-time monitoring of parking spots



Count free/occupied spots in areas or parking lots.



Reports and charts of usage of spots/areas/lots



Representation on a map of the status of each spot

