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Portier HOST

Parking guidance and management platform

PORTIER *- Making the right decisions!*

PORTIER HOST PLATFORM

HOST is a globally unique platform for parking guidance and management. It has unprecented versatility through ability to combine multiple technologies ranging from induction loops and ultrasonic sensors to camera-based guidance solutions which provides single, seamless user experience. Platform can further be boosted with access control module to manage for example contract parking with RFID tags or license-plate recognition.
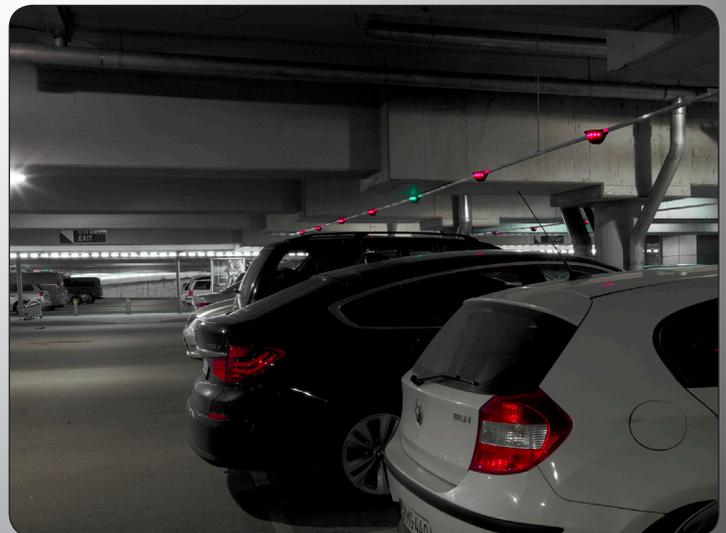
In recognition of the importance of data, HOST comes with an advanced search engine which contains both standard reports as well as advanced tools for analyzing the vast amount of data stored in the database.

IT architecture can range from a traditional, localized solution to a full-blown cloud service - or any combination of those depending on the user need. Data connections within the system can be wired or wireless whichever is more convenient or suitable for the use case.

HOW DOES IT WORK?

System is built on linux operating system and utilizes encrypted VPN communication between system nodes and server.

Node communicates with the server through wireless or wired network and all the events in the nodes or server are instantly communicated and thus the data is always real-time. In the case of failure, system will automatically alert the user.

SEAMLESS USER EXPERIENCE   EXPANDABLE

ONE PLATFORM   MULTIPLE TECHNOLOGIES

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FLS FINLAND OY

CASE EXAMPLE – SMART CITY GUIDANCE SOLUTION IN KALMAR, SWEDEN

City of Kalmar wanted to improve parking capacity utilization and reduce unnecessary driving especially during peak traffic hours. In order to achieve this, all the off-street parking areas were connected to HOST cloud server which keeps track of the amount of free spaces in each parking area. None of the parking areas have any local hardware or software, all calculation nodes have been directly connected to the cloud server.

Real-time space availability information is submitted to the roadside guidance displays that are also connected to HOST via mobile broadband connections. Furthermore, information is shared also to city's own mobile application.

Eventhough system contains more than ten different parking areas and tens of different guidance signs, complete system was deployed in a very short time which underlines the modularity and simplicity of the HOST solution.

CASE EXAMPLE – ACCESS CONTROL FOR OFFICE PARKING

HOST features also access control module that can be used to manage for example contract parking. In a typical setting, several companies utilize shared parking facility and access is based on e.g. RFID tags or license-plate recognition.

System keeps track of each company's quota and it also supports dynamic quotas - if a company has used its quota, it can obtain additional spaces from a common quota. Utilization of quotas and parking times can be exported to third party systems for invoicing.

CASE EXAMPLE – GUIDANCE SOLUTION FOR SHOPPING MALL JUMBO, FINLAND

Jumbo is among the most visited shopping malls in Finland and they have more than 12 million visitors each year. As part of the on-going strategy for improvement of shopping experience, Jumbo decided to implement space-specific guidance solution which is enhanced by automatic license-plate recognition in different areas of the parking facility.

Updated parking guidance solution contains over 3000 ultrasonic sensors in four different levels, induction loop counting for the roof parking, over 150 guidance displays and approximately 50 license-plate recognition cameras - all in one and the same HOST user interface. Advanced search tool provides detailed information about the driving patterns, duration of visits for each vehicle, capacity utilization in different areas and much much more.
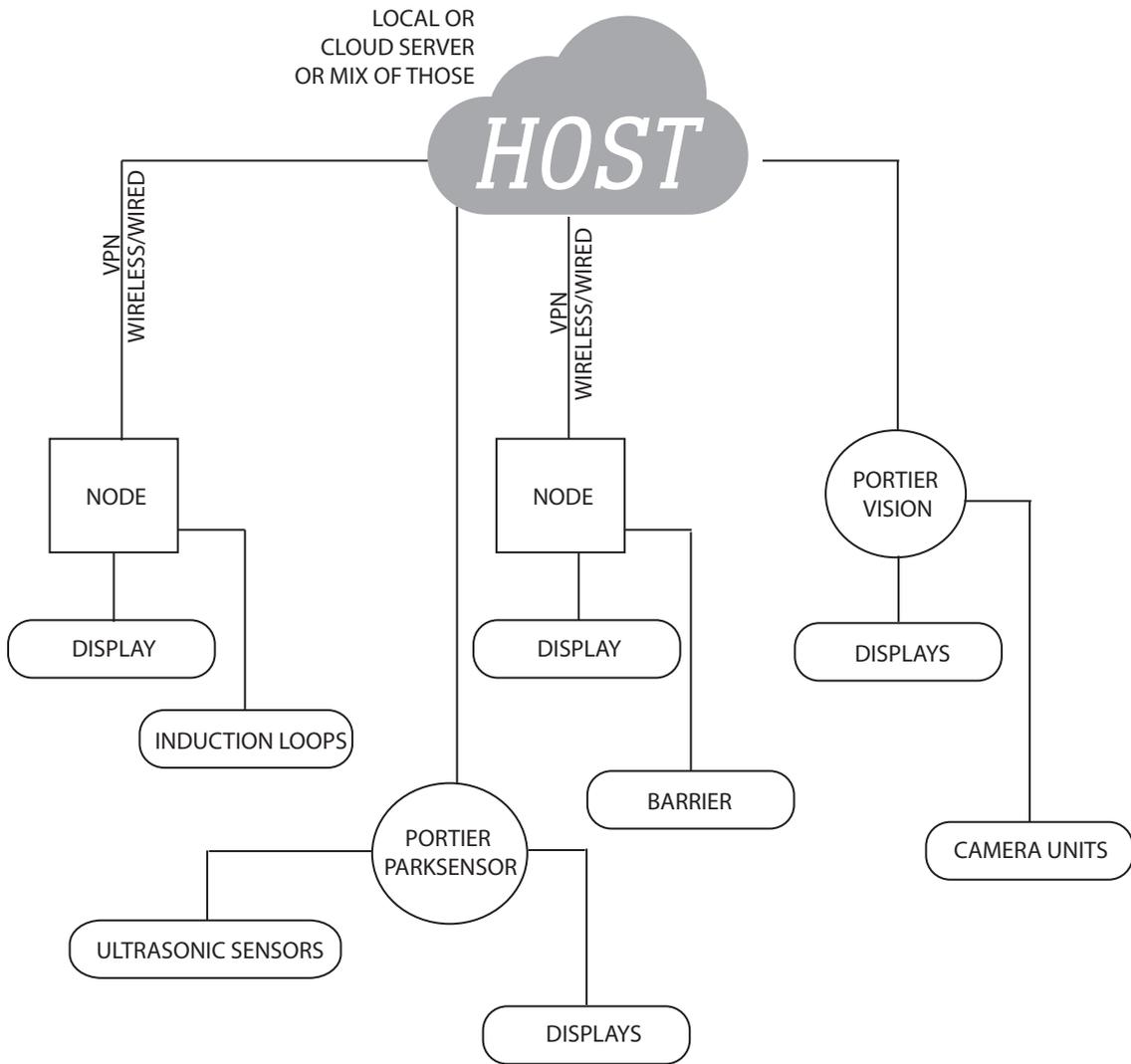
OPEN API

AUTOMATIC MONITORING

QUICK TO DEPLOY

GLOBAL ACCESS

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PORTIER ARCHITECTURE

LOCAL OR
CLOUD SERVER
OR MIX OF THOSE

HOST

VPN WIRELESS/WIRED

VPN WIRELESS/WIRED

NODE

NODE

PORTIER VISION

DISPLAY

DISPLAY

DISPLAYS

INDUCTION LOOPS

BARRIER

CAMERA UNITS

PORTIER PARKSENSOR

ULTRASONIC SENSORS

DISPLAYS

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