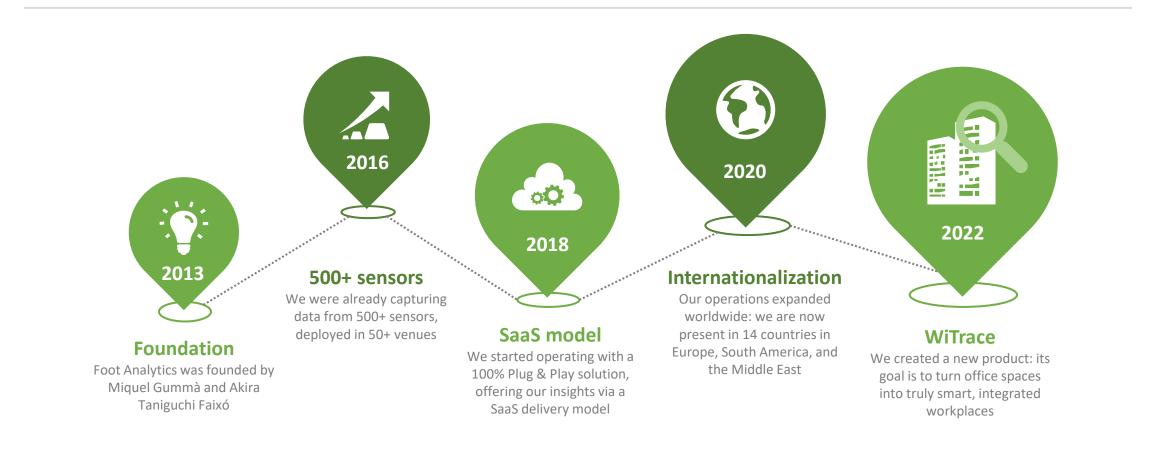
# WiTrace by Foot Analytics

A human-centric approach



## We are a tech company with 8+ years of experience in providing the physical world with quality analytics insights on footfall, real-time occupancy and human behaviors



## We have been delivering significant value to several clients across many industries, empowering their decision-making capabilities and actions with analytics insights

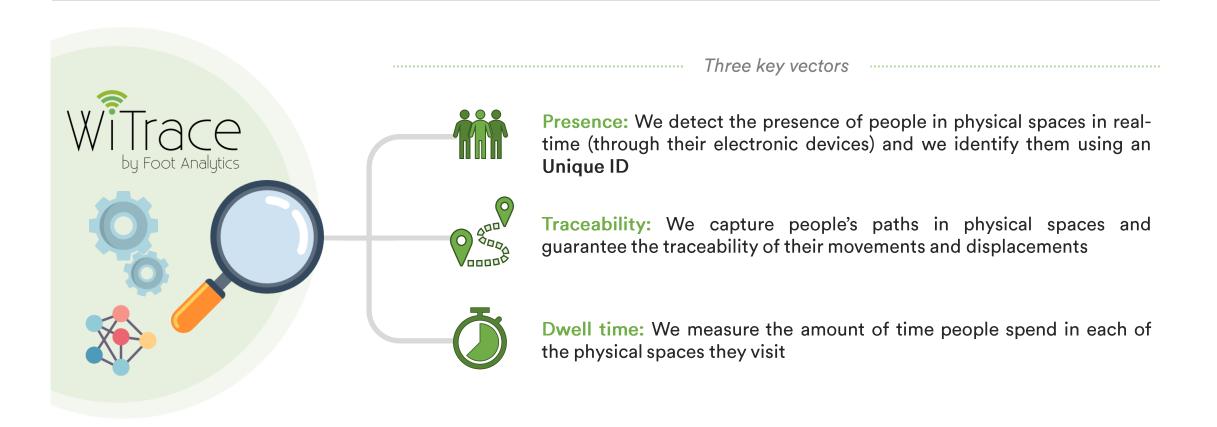


## We have recently launched WiTrace: a new solution which relies on data, AI, and ML to make workplaces more efficient, safe, productive, sustainable, and employee-friendly



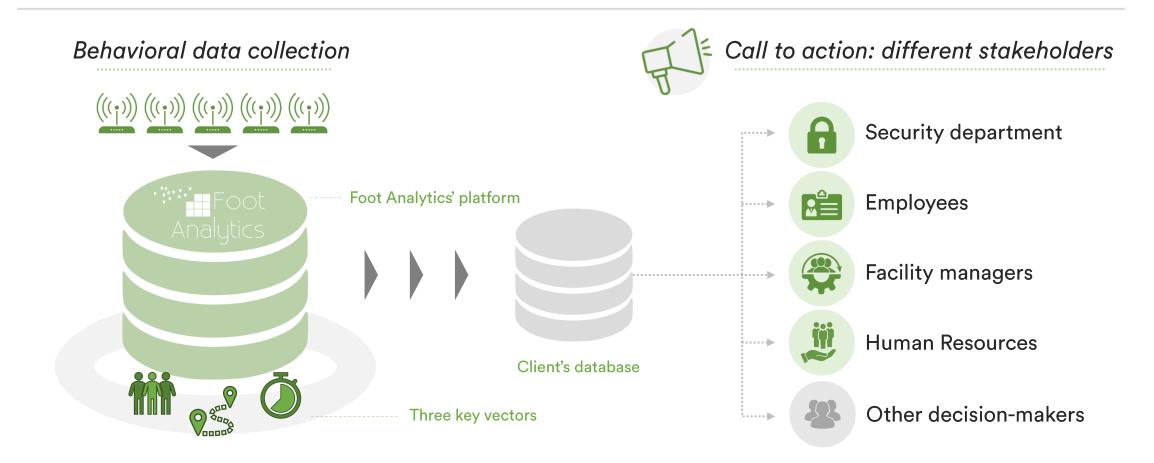


## Using WiTrace, we provide facility managers with valuable insights on the utilization of office spaces based on three key vectors: human presence, traceability and dwell times



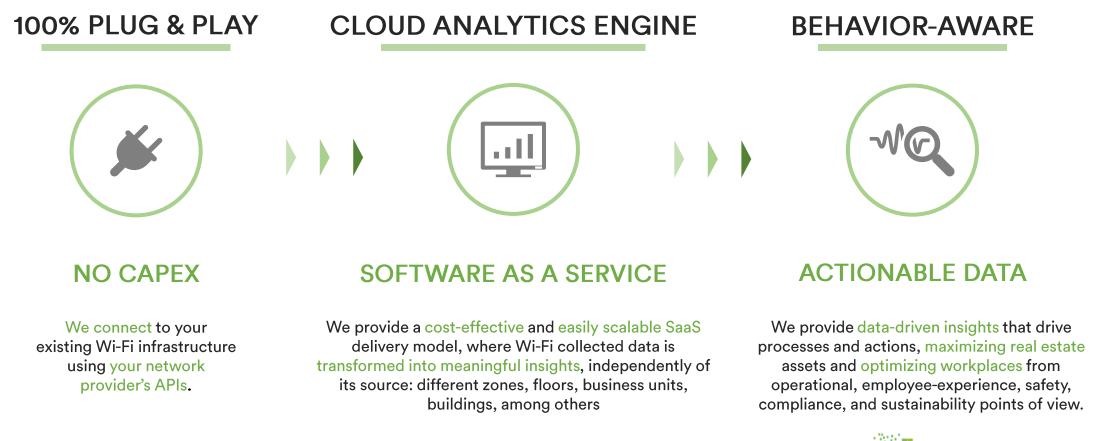


## This human behavior data is captured using our Wi-Fi tracking technology, empowering our clients with data-driven insights they can use to make decisions and take actions





WiTrace's value is based on three main pillars: (i) a 100% Plug & Play solution (no CapEx) (ii) a SaaS delivery model and (iii) empowering decisions and actions with analytics

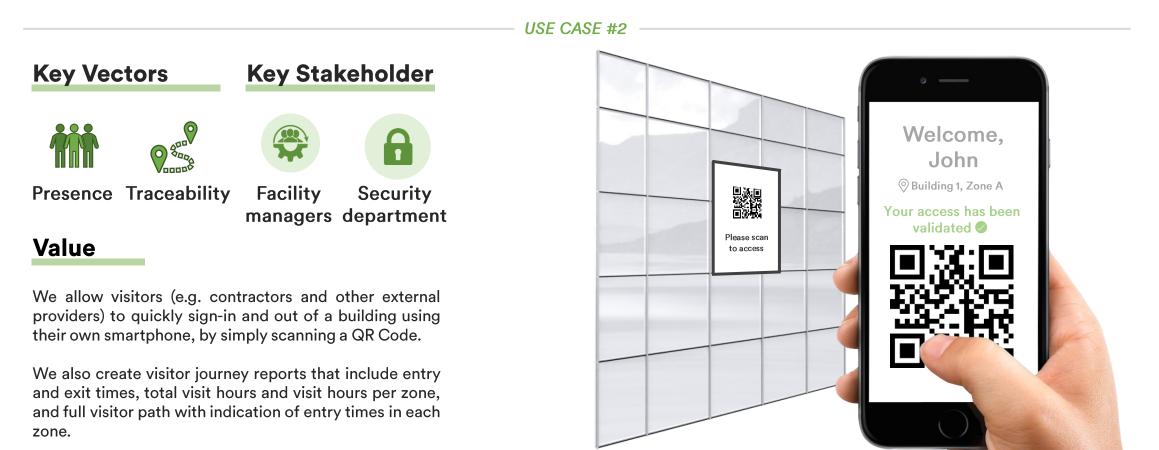


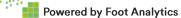
### **Employee time tracking:** we help you track the time employees spend working with a 100% automatic solution, allowing for reliable and complete employee timesheet reports

Key Vectors	Key Stakeholder		mesheet report
•••• 王		Employee: John Doe	<u>Date</u> : November 11 <sup>th</sup> , 202
		Daily report:	Monthly average: M-o-M evo
Presence Dwell time	Human Resources	Total hours 8,85	Total hours 9,25 3,1%
		<ul> <li>Working hours 7,80</li> </ul>	$\circ$ Working hours 8,10 3,3%
		<ul> <li>Lunch hours</li> <li>1,05</li> </ul>	<ul> <li>Lunch hours</li> <li>1,15</li> <li>0,6%</li> </ul>
Value		Laptop hours 6,60	Laptop hours 7,70 2,4%
		Overtime 0,85	Overtime 1,25 1,2%
We create employee timesheet reports that include the work starting and finishing times, total working hours, work breaks and overtime.		Starting time 9h 15 min	Starting time 9h 19 min 3,2%
		Finishing time 18h 06 min	Finishing time 18h 34 min 1,9%
		YTD average weekly work hours Average daily work hours per	
This is done through an automatic process that relies on a passive system which guarantees accuracy and reliability without any effort from the employee's side (e.g. no need to manually register hours and submit timesheets) nor from the employer's side (e.g. no need to		9 8,5	
		8	5
		7,5	
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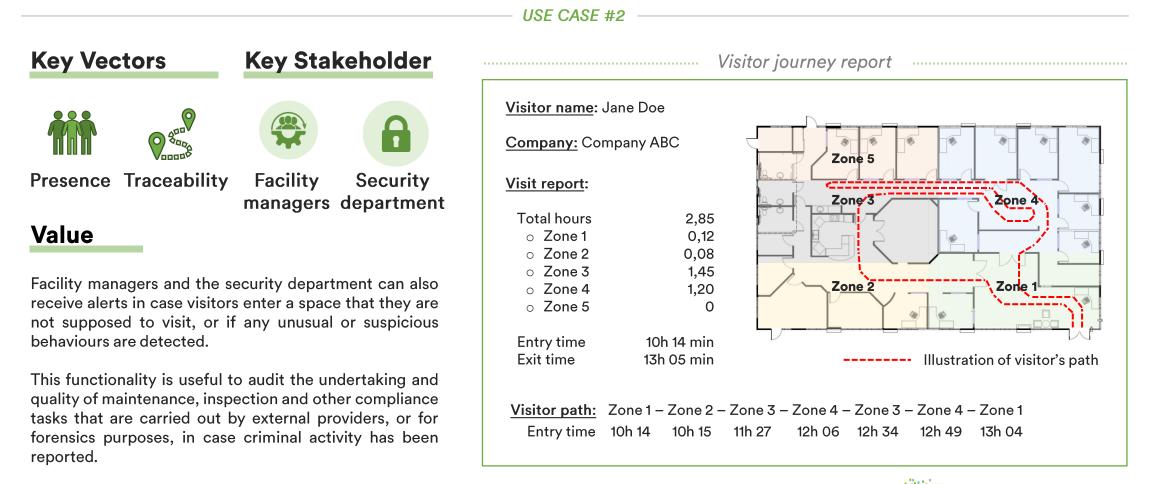


Visitor registration & journey traceability: we help you sign-in visitors at your workplace in a swift, touch-free way, tracking their visitor journeys from entry to exit (1/2)



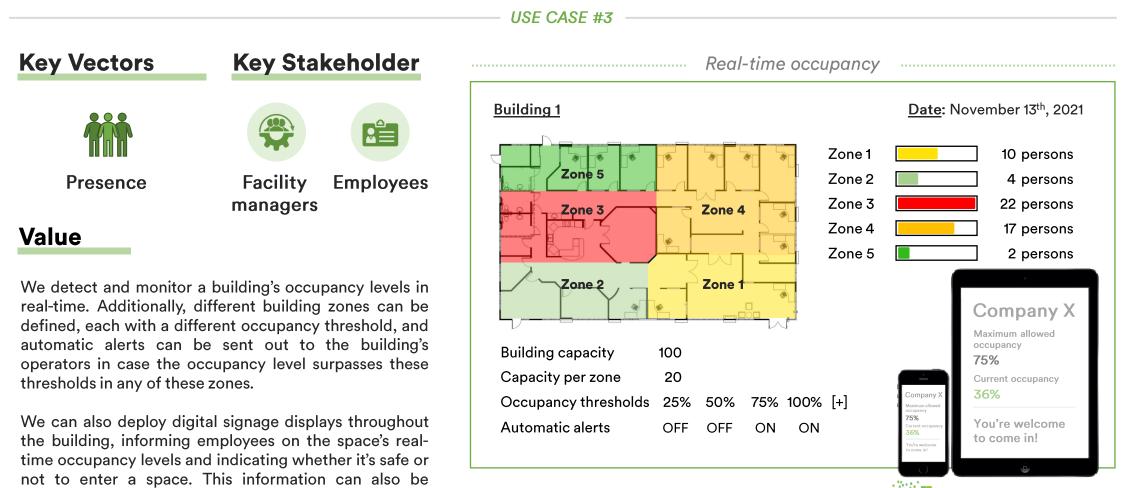


## Visitor registration & journey traceability: we help you sign-in visitors at your workplace in a swift, touch-free way, tracking their visitor journeys from entry to exit (2/2)





### Smart occupancy: we provide you full visibility into the occupancy of a space in realtime, ensuring a safe office environment and compliance with COVID-19 regulations



consulted via a corporate mobile app.

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## Space utilization: we help you gain visibility over the utilization patterns of a space, giving you insights on how to optimize the space's layout and maximize its value

	USE CASE #4	
Key Vectors Key Stakeholder	Space u	ıtilization
	<u>Building 1</u> Avg. Insides Avg. Dwell times	Date: November 14 <sup>th</sup> , 2021
Presence Dwell time Facility managers	Zone 1         18         16 min           Zone 2         27         2h 23 min	Zone 3 Zone 3 Zone 4
Value	Zone 3         43         3h 40 min           Zone 4         38         2h 59 min	Zone 2 - Zone 1
We provide you with visibility over a building's historical utilization patterns, presenting you with data regarding the number of individuals that went inside certain physical spaces or zones over determined periods of time, and for how long they have stayed in such areas.	Zone 5 24 1h 04 min All Zone 1 Zone 2 Zone 3 Zone 4 Zone 5 All Hourly Average Insides Mon 75 Tue Wed 50	All Zone 1 Zone 2 Zone 3 Zone 4 Zone 5 All Weekday Average Insides 9h 600 10h 11h 400
This data is useful to detect underutilized spaces, "hot spots" or bottlenecks, better manage remote work practices, and to optimize a building's layout, maximizing its value.	Thu 25 Fri O Sat 6 5 年 5 授 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	12h 200 13h 14h O [+] Mon Tue Wed Thu Fri Sat Sun

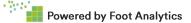
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### Predictive maintenance: we help you keep track of the usage and condition of spaces and equipment, using data-driven methods to proactively trigger maintenance tasks

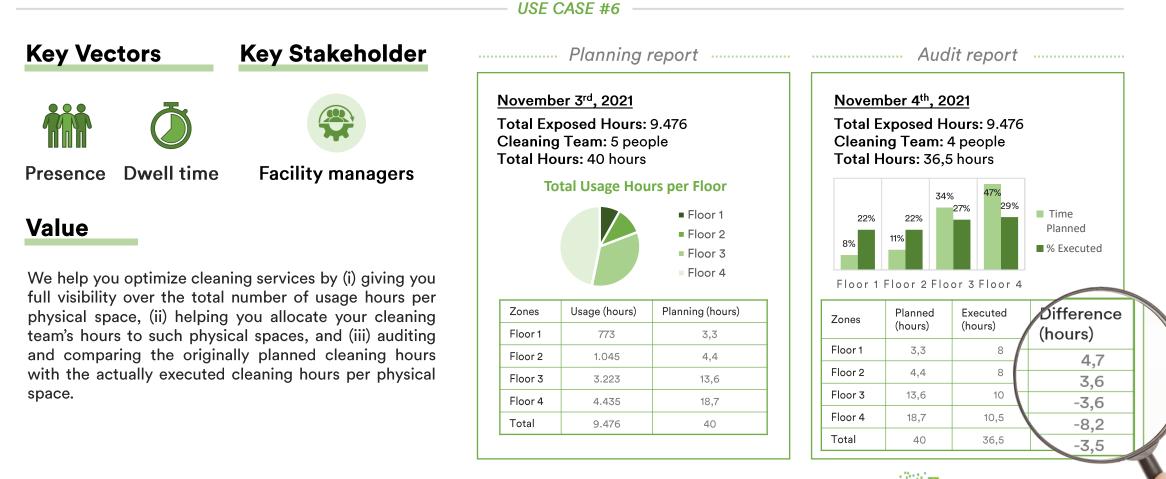
Key Vectors Key Stakeholder		USE CASE #5 Predictive maintenance			
		Building 2	<u>Date</u> : November 18 <sup>th</sup> , 2021 <u>Hour</u> : 17h 02		<u>Hour</u> : 17h 02 min
	The second se	Asset description	Location	Usage level	
Presence Dwell time	Facility managers	Bathroom 1	Floor 1, Zone 3		
	, 0	Lunch room 1	Floor 1, Zone 5		Incident
Value		Meeting room 1	Floor 1, Zone 3		reporting
		Meeting room 2	Floor 1, Zone 3		Second Se
We monitor a building's usage continuously, namely of bathroom facilities, meeting rooms, lunchrooms, and other shared spaces, using such data to proactively trigger maintenance activities, thus reducing the likelihood of equipment failures, minimizing the disruption of normal operations and extending the building's lifespan.		Meeting room 3	Floor 1, Zone 4		Bathroom 2
		Meeting room 4	Floor 1, Zone 4		- FAR
		Bathroom 2	Floor 2, Zone 5		
		Lunch room 2	Floor 2, Zone 5		Send us a photograph
		Meeting room 5	Floor 2, Zone 6		
		Meeting room 6	Floor 2, Zone 7		
	e used to report incidents inpointing the exact location	Meeting room 7	Floor 2, Zone 7		

of the incidence using indoor location.



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## Cleaning service optimization: we help facility managers plan the cleaning team's daily work based on the real usage of each physical space ( $\sum Presence \ x \ Duration$ )



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### Acciona has selected Foot Analytics and its WiTrace solution for the workplace analytics project that the group is launching in its new corporate headquarters

#### Context

While preparing to move a workforce of 5.000+ employees to its new corporate headquarters, a complex of four buildings totaling 100.000+ m<sup>2</sup> and concentrating all the group's companies and business units, Acciona identified potential in WiTrace and reached out to Foot Analytics to obtain support its workplace analytics project.

#### Action

Alongside Acciona, Foot Analytics defined the scope of the project: WiTrace would provide traceability of visits and movements within the campus, and control and visibility over occupancy levels and presences in each space, for security purposes. Other initiatives, oriented towards facility management and HR, would soon follow.

#### Results

After carrying out a competitive process whose goal was to find a suitable and capable partner for its workplace analytics project, Acciona's innovation and security departments chose Foot Analytics as its supplier. The project kick-started in late 2021 and is expected to be concluded in September 2022.





## By monitoring the real-time occupancy in its Administrative District, we have helped the Catalonian Government provide their employees a better and safer office experience

#### Context

During 2020, 2.300 employees were transferred to a new corporate complex, Districte Administratiu ("Administrative District"). This relocation was pioneer in Europe, due to its magnitude and to the implementation of new sustainability and ways of working concepts, supporting energetic efficiency and employee welfare.

### Action

Within the framework of its technological partnership with T-Systems, the company which provides the Wi-Fi network to the Administrative District, Foot Analytics deployed its Smart Occupancy solution in the complex by connecting its platform to 340+ Wi-Fi Access Points, covering an area with 46.000+ m<sup>2</sup> in a matter of minutes.

### **Results**

Foot Analytics provided visibility over the building's real-time occupancy, allowing for an optimal and safe distribution of employees and eliminating the occurrence of queues and crowds in common areas. The solution also allowed for the optimization of maintenance, security and cleaning services, for the monitoring of customer cares services from an efficiency point of view, and for the continuous and passive tracking of user's behaviors.





## Astara relied on Foot Analytics to implement a flex working plan in their new offices, improving the employee experience in terms of productivity, safety and wellbeing

#### Context

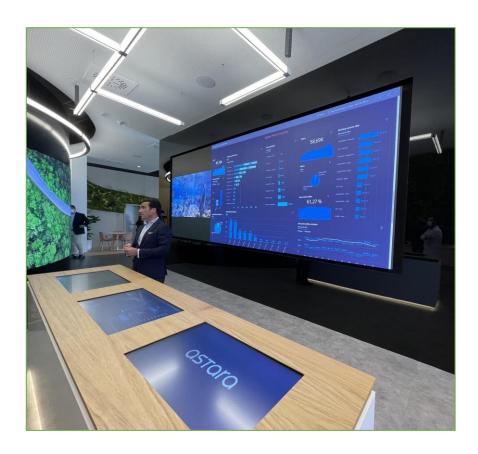
Astara (formerly Bergé Auto, the automotive arm of the Bergé group), has recently moved to new offices in the Madrilenian area. The new workplace, with a total area of 10.000+  $m^2$ , is able to receive around 150 employees (around 50% of the company's workforce) and is operated under a flex, remote-based working plan.

### Action

Foot Analytics deployed its Smart Occupancy solution in the company's facilities and connected its platform to 40+ Wi-Fi Access Points in a matter of a few minutes. Digital signage displays were also deployed in every floor of the building and in specific areas, and were integrated with Foot Analytics' solution.

### **Results**

Foot Analytics gave Astara's employees full visibility over the building's real-time occupancy: this information was presented in the digital signage displays present throughout the workplace. By ensuring an optimal and safe distribution of employees throughout the workplace, and by helping implement "clean desk" and "work anywhere" policies, Foot Analytics helped Astara provide their workers a better and safer (remote) working experience, therefore improving the employee experience.



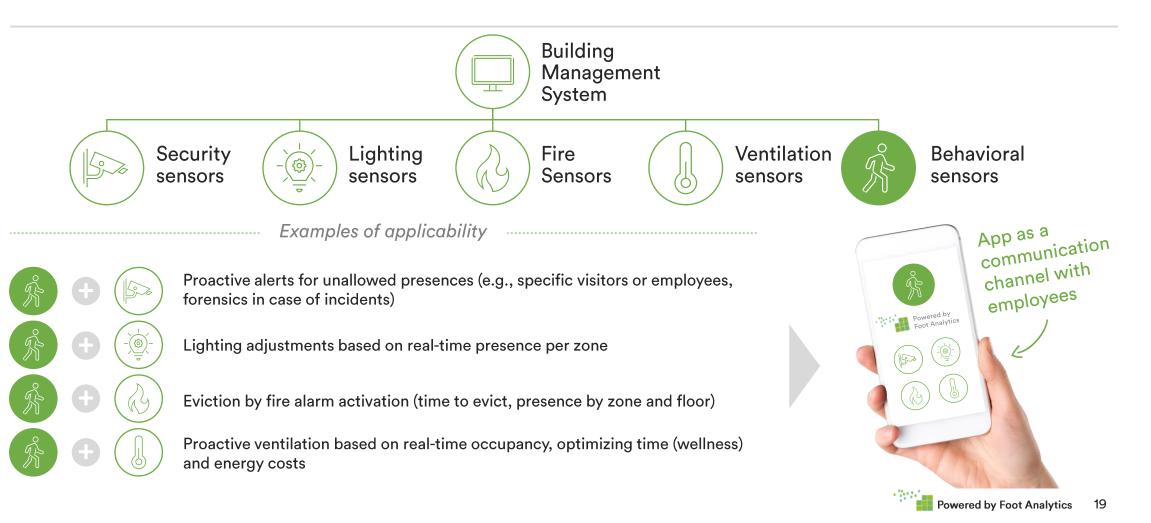


Any 'smart building strategy' must be human-centric: going beyond operational efficiency and being able to connect the environment with the user's experience (UX)



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## After adding a layer of behavioral sensing data to the building's IoT infrastructure, we propose to integrate our data with the Building Management System (BMS) in place



### We have been helping large venues operators monitor real-time occupancy, and understand and improve the visitor experience in their physical spaces (1/3)

#### STADIUMS



Foot Analytics deployed its solution in FCB's stadium and ancillary services, connecting its platform to FCB's Wi-Fi infrastructure (which totals +1000 Access Points). Operational bottlenecks and inefficiencies were identified, people's exposition to ads were analyzed and several customer profiles were segmented.

#### MALLS & OUTLETS



Foot Analytics set off the deployment of its solution in VR's network of Villages, starting by La Roca Village in Barcelona, Kildare Village in Dublin and Bicester Village in London. In total, 300+ sensors were deployed in 20+ different zones. The other 8 Villages are set to deploy our solution in later stages of implementation.

#### FLAGSHIP STORES



Foot Analytics first deployed its solution in Casa SEAT, analyzing 4 different zones of the flagship, and then also proceeded to implement the solution in 20 different dealerships located in the flagship's impact zone.



## We have been helping large venues operators monitor real-time occupancy, and understand and improve the visitor experience in their physical spaces (2/3)

#### SHOPPING DISTRICTS



We have deployed our solution in several shopping districts and comercial main streets in Barcelona's outskirts in order to monitor real-time occupancy levels, measure traffic, understand visitor behaviors and capture customer journeys.

#### PUBLIC PARKS



We have helped public authorities monitor real-time occupancy levels, measure traffic and map visitor journeys in public parks, segmenting visitors in terms of speed (walkers, runners, bikers) and origin (neighbor, citizen, tourist).

#### BEACHES



We have provided public authorities with full visibility over real-time occupancy levels in several beaches across Spain, in order to ensure a safe beach experience and a full compliance with COVID-19 regulations.



### We have been helping large venues operators monitor real-time occupancy, and understand and improve the visitor experience in their physical spaces (3/3)

#### MUSEUMS



By partnering with us, several museums such as the FC Barcelona museum or the Museo Marítimo de Barcelona were able to monitor real-time occupancy, understand customer behaviors and optimize their operations & logistics.

#### PUBLIC MARKETS



We have provided public authorities with full visibility over real-time occupancy levels in several public markets across Barcelona, in order to ensure a safe shopping experience and a full compliance with COVID-19 regulations.

#### PUBLIC LIBRARIES



We have worked with the main public libraries of the four provinces of Catalonia (Barcelona, Girona, Lleida and Tarragona) in order to monitor real-time occupancy levels and understand visitor behaviors.



## During the COVID-19 pandemic, we kept expanding our operations and changed our operating model to be 100% remote: we are now offering our services at a global level



### Information and contacts:



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