



Executive Summary

Quadron Analytics is a cloud solution for retail directly linking customer activity at stores with sales analysts, providing business intelligence for decision making purposes.

Quadron Analytics helps decision makers devise strategies that drive more traffic, optimize customer loyalty, enable personalization and improve shopper experience.





Lack of pre sales figures:

- Retailers are able to measure store performance through sales figures only
- Key performance metrics and trends are almost always not available before they show in sales

Hard to get data:

- Effects of marketing and advertising campaigns are tedious to measure and slow to reflect in sales
- Retailers could only make guesses about shopper behavior





Typical questions a retailer asks himself:

- 1- Visitors Experience
 - How many visitors have entered the store today?
 - What are the peak visiting hours of the day?
 - How many are repeat visitors?
 - How much time do visitors spend at the store?
 - Is the number of floor staff adequate to ensure best customer experience and engagement?





Typical questions a retailer asks himself:

2- Store & display

- What are the areas of the store that are visited the most? Which are visited the least?
 And why?
- Is the store layout designed for optimal visitor and inventory capacity?
- Is the store layout designed for a smooth traffic flow?
- How well are we able to capture customers from external foot traffic?
- How effective is the store's window marketing?





Answering these questions through traditional methods such as occasional monitoring, surveys and random sampling are:

- Resource-intensive
- Lengthy
- Costly
- Inaccurate
- Incomplete
- Momentary





Quadron Analytics

Quadron, through its extensive background in Wireless Positioning and Tracking as well as online analytics, has put together Quadron Analytics, a cutting-edge solution that bridges the digital divide between the online and brick-and-mortar worlds.

Quadron Analytics for Retail is the simplest way to measure traffic, recurrence and customer behavior inside retail spaces in order to optimize operations and enhance sales.





















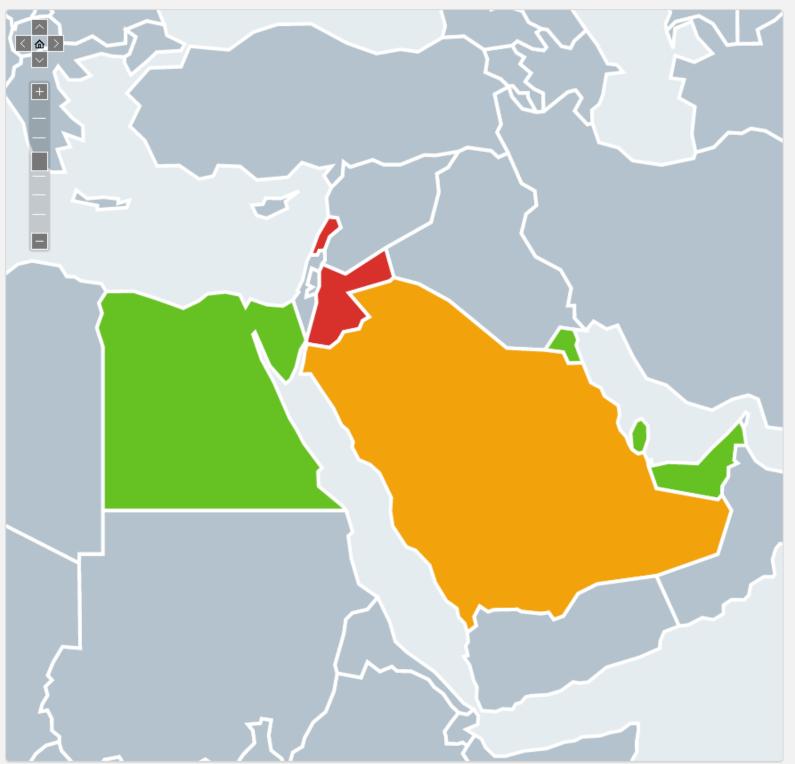








TOP SITES	Location	Visits
1. Brand 1	Dubai Mall (UAE)	1,242
2. Brand 1	Marina Mall (Kuwait)	1,219
3. Brand 2	Villagio Mall (Qatar)	1,011
4. Brand 2	Abu Dhabi Mall (UAE)	983
5. Brand 3	Mall of the Emirates (UAE)	894
6. Brand 1	ABC Ashrafieh (Lebanon)	882
7. Brand 4	Alexandria City Centre (Egypt)	865
8. Brand 4	Burjuman Center (UAE)	861
9. Brand 3	Amman City Mall (Jordan)	817
10. Brand 4	Verdun (Lebanon)	793





Quadron Analytics

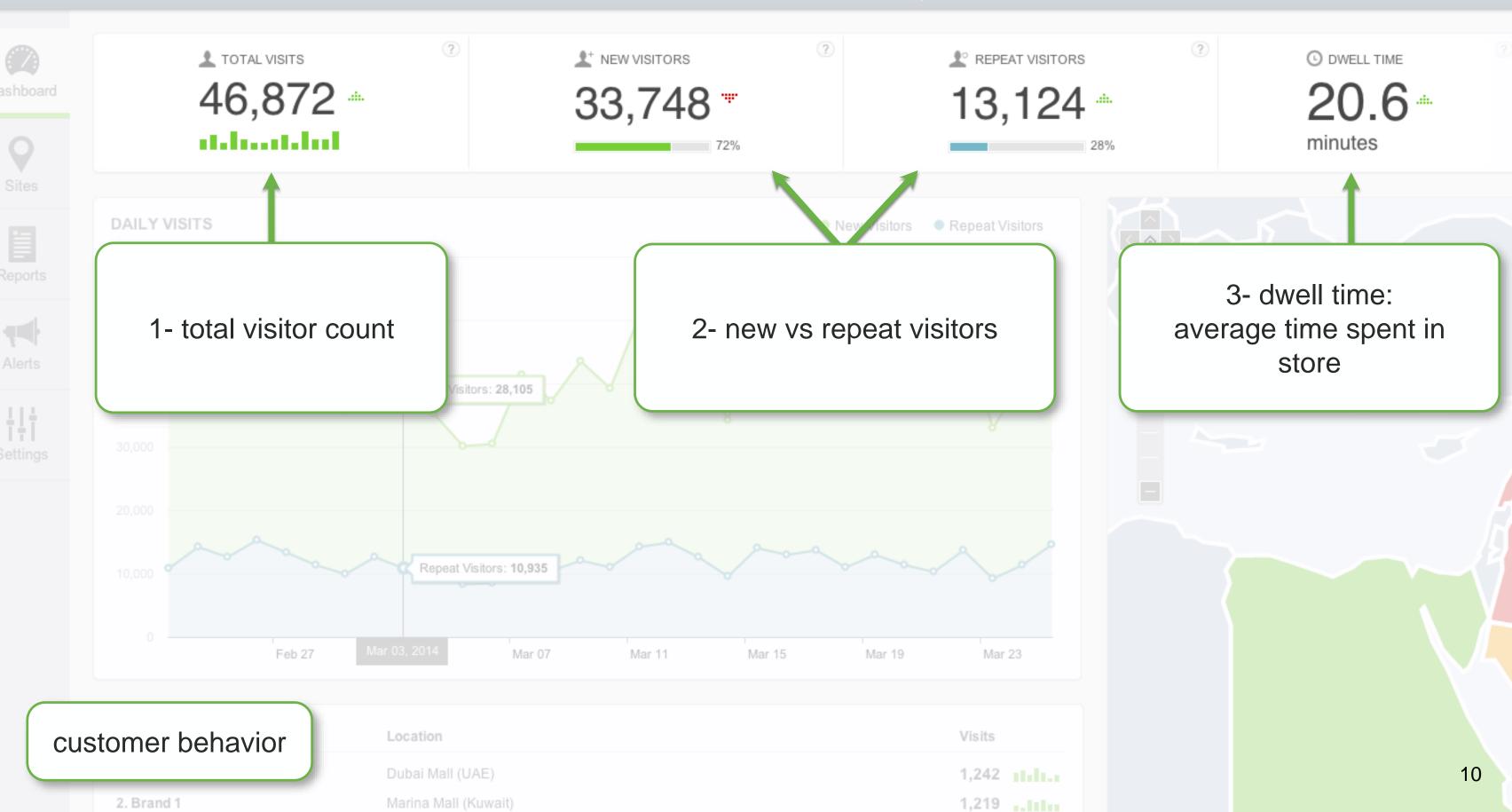
Tailored to retailers, Quadron Analytics allows you to access the following information:

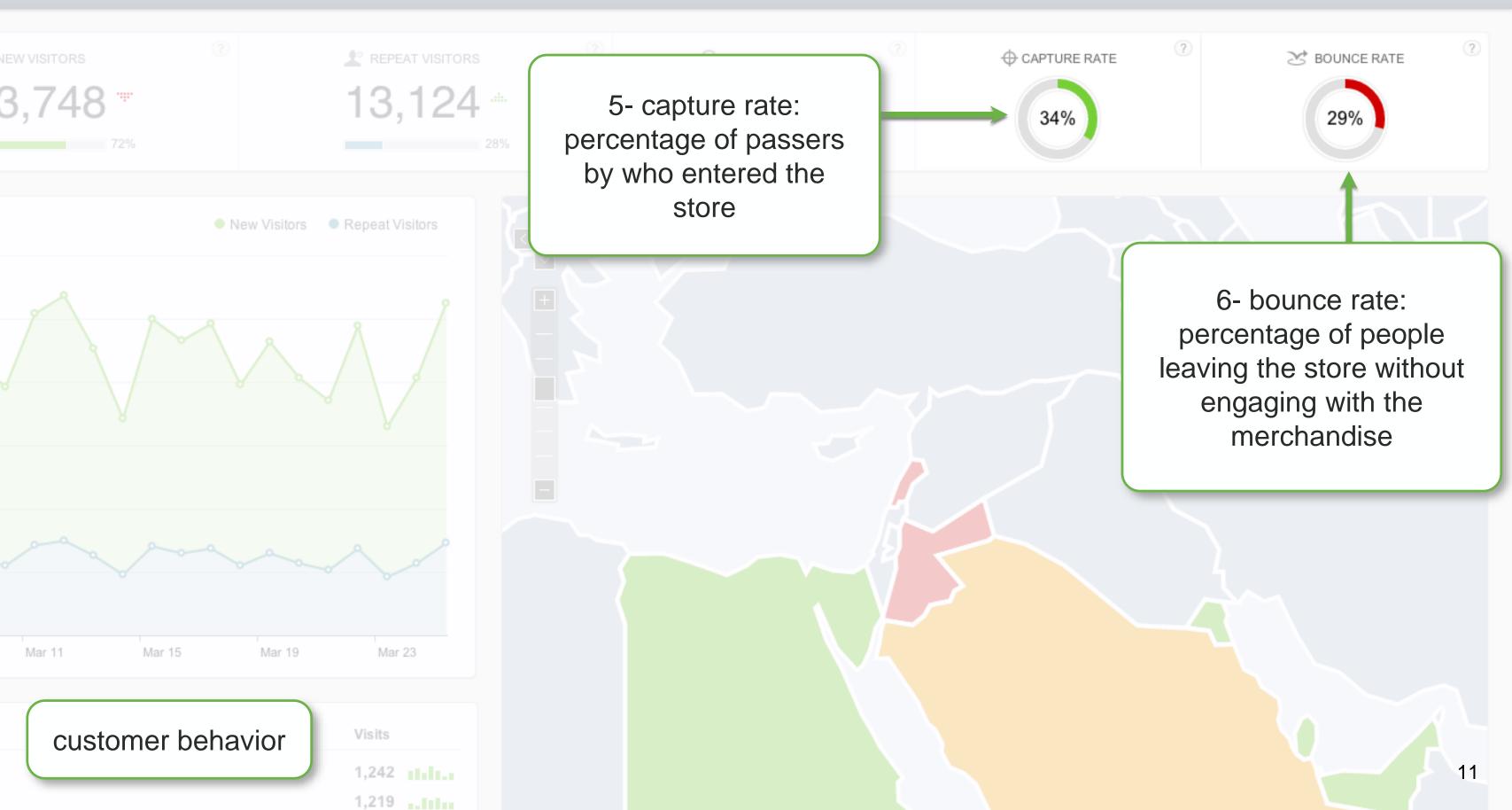
Customer Behavior

- 1. Total visitor count
- 2. New vs repeat visitors
- 3. Average visit frequency
- 4. Dwell time: average time spent in store
- 5. Capture rate: percentage of passers by who entered the store
- 6. Bounce rate: percentage of people leaving the store in under 2 minutes



QUADronanalytics







Quadron Analytics

Tailored to retailers, Quadron Analytics allows you to access the following information:

Traffic Trends

- 7. Storefront traffic: the number of people have passed in front of the store
- 8. In-site traffic: the number of people have entered the store
- 9. Capture rate: the percentage of people entering the store



people have entered the store

Capture Rate

Oct 20

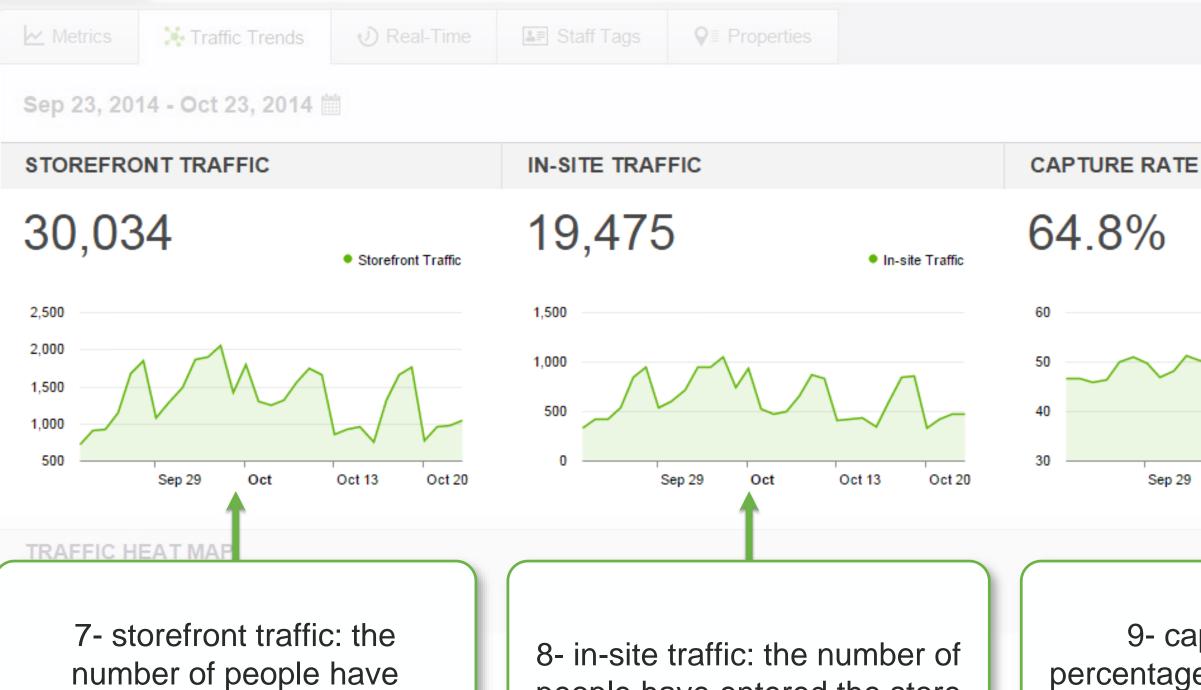
traffic trends

passed in front of the store









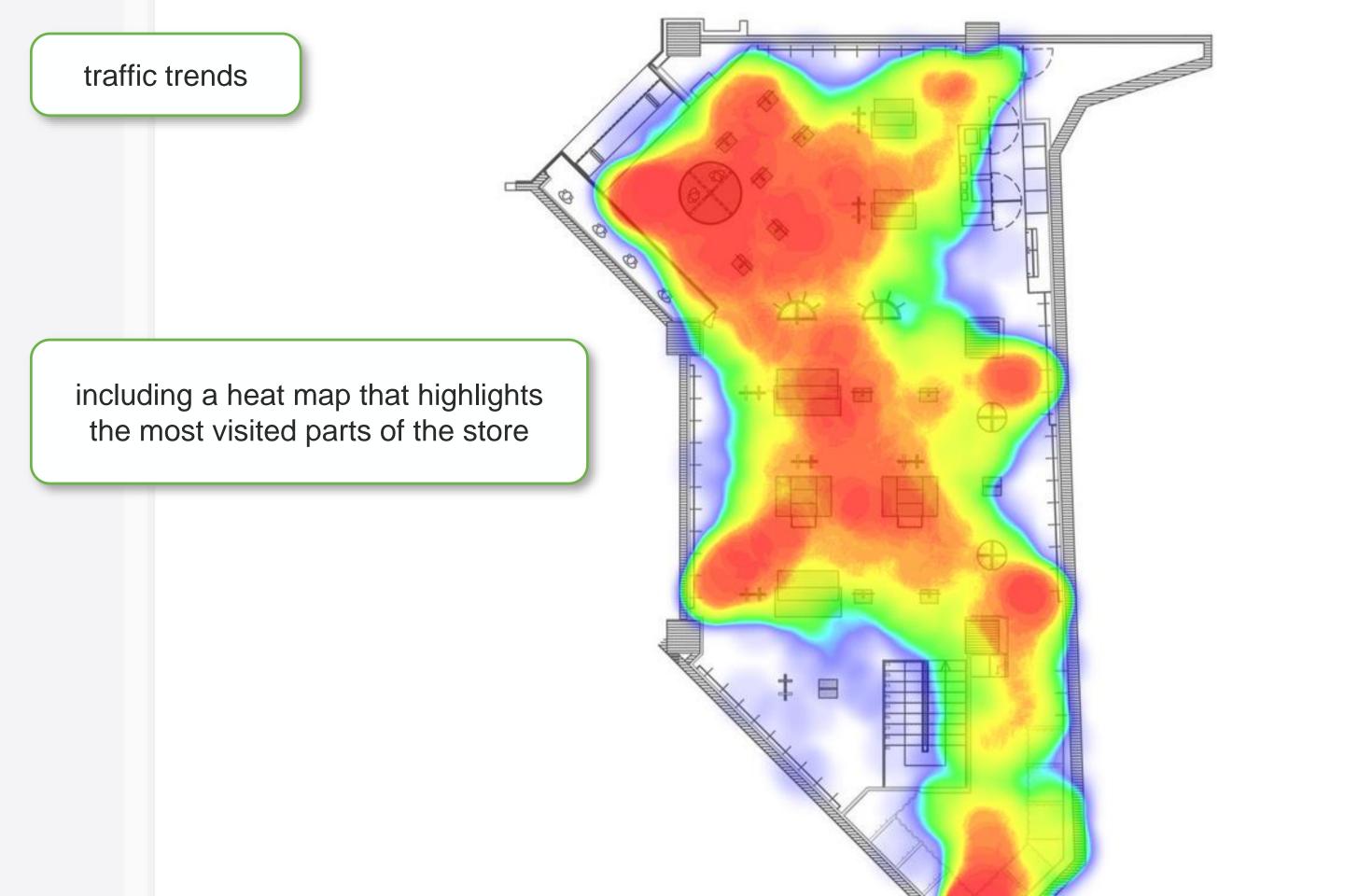
9- capture rate: the

Sep 29

percentage of people entering the store

Oct

Oct 13





Quadron Analytics

Collected data can be viewed on a variety of levels

- · From a bird's eye view, on a macro level for historical and geographical data...
- · ...Down to detailed insights per chosen scope including historical and comparative charts (Region, Country, Brand, Mall, Store)





Displaying 1 - 10 of 10 sites

Mar 25, 2014 - Mar 25, 2014 🛗

Quick filter

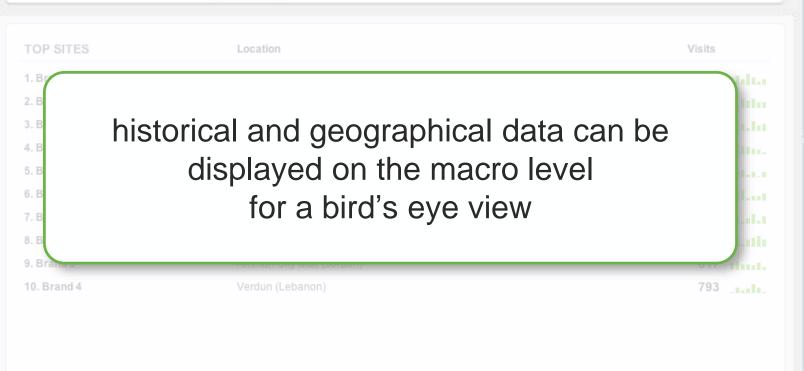
Sites per Page 20 \$

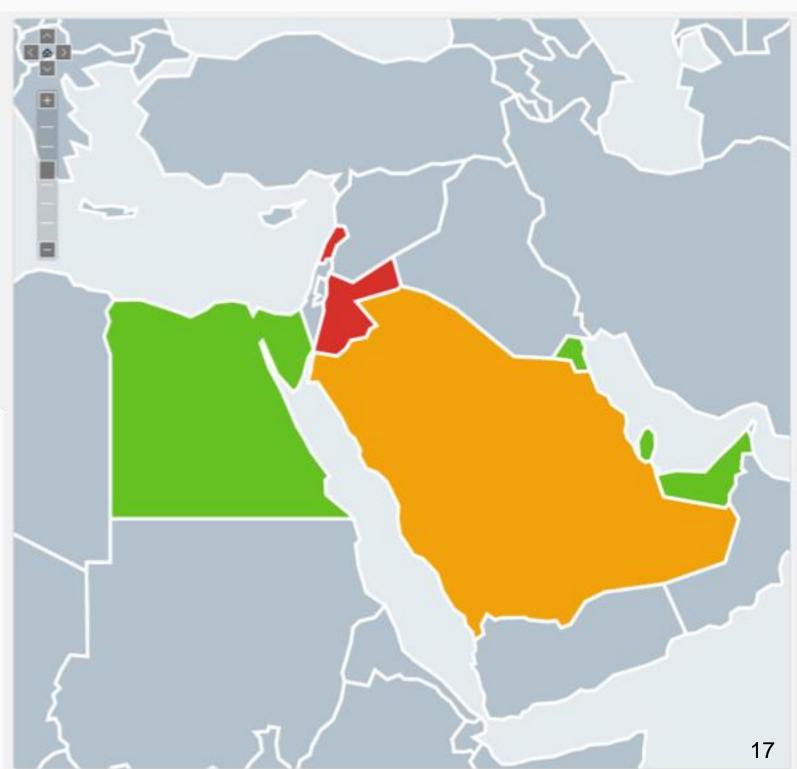
ge 1 of 1 <	>
-------------	---

☆	Brand ▼	Country	City	Location	Visits	New Visitors	Repeat Visitors	Dwell Time	Bounce Rate	Status
$\stackrel{\wedge}{\sim}$	Brand 1	Kuwait	Kuwait City	Marina Mall	913	64.1%	35.9%	16:19	32.9%	PENDING
$\stackrel{\wedge}{\sim}$	Brand 1	Lebanon	Beirut	ABC Achrafieh	666	57.5%	42.5%	16:02	42.8%	ONLINE
$\stackrel{\wedge}{\sim}$	Brand 1	UAE	Dubai	Dubai Mall	1,071	69.8%	30.2%	19:56	40.1%	ONLINE
$\stackrel{\wedge}{\sim}$	Brand 2	Qatar	Doha	Villagio Mall	1,108	61.6%	38.4%	16:54	33.7%	ONLINE
$\stackrel{\wedge}{\sim}$	Brand 2	UAE	Abu Dhabi	Abu Dhabi Mall	909	71.8%	28.2%	15:30	39.8%	ONLINE
$\stackrel{\wedge}{\sim}$	Brand 3	Jordan	Amman	Amman City Mall	1,164	67.6%	32.4%	17:07	35.8%	OFFLINE
$\stackrel{\wedge}{\sim}$	Brand 3	UAE	Dubai	Mall of the Emirates	1,143	67.5%	32.5%	17:07	29.7%	ONLINE
$\stackrel{\wedge}{\sim}$	Brand 4	Egypt	Alexandria	Alexandria City Centre	1,022	61.3%	38.7%	23:52	33.6%	ONLINE
$\stackrel{\wedge}{\sim}$	Brand 4	Lebanon	Beirut	Verdun	1,120	78.0%	22.0%	19:41	39.8%	ONLINE
₩	Brand 4	UAE	Dubai	Burjuman Center	962	67.2%	32.8%	18:51	37.0%	ONLINE

Page 1 of 1 < >

The stores' performance can be compared and benchmarked to create a more efficient operation and foster a knowledge sharing culture.

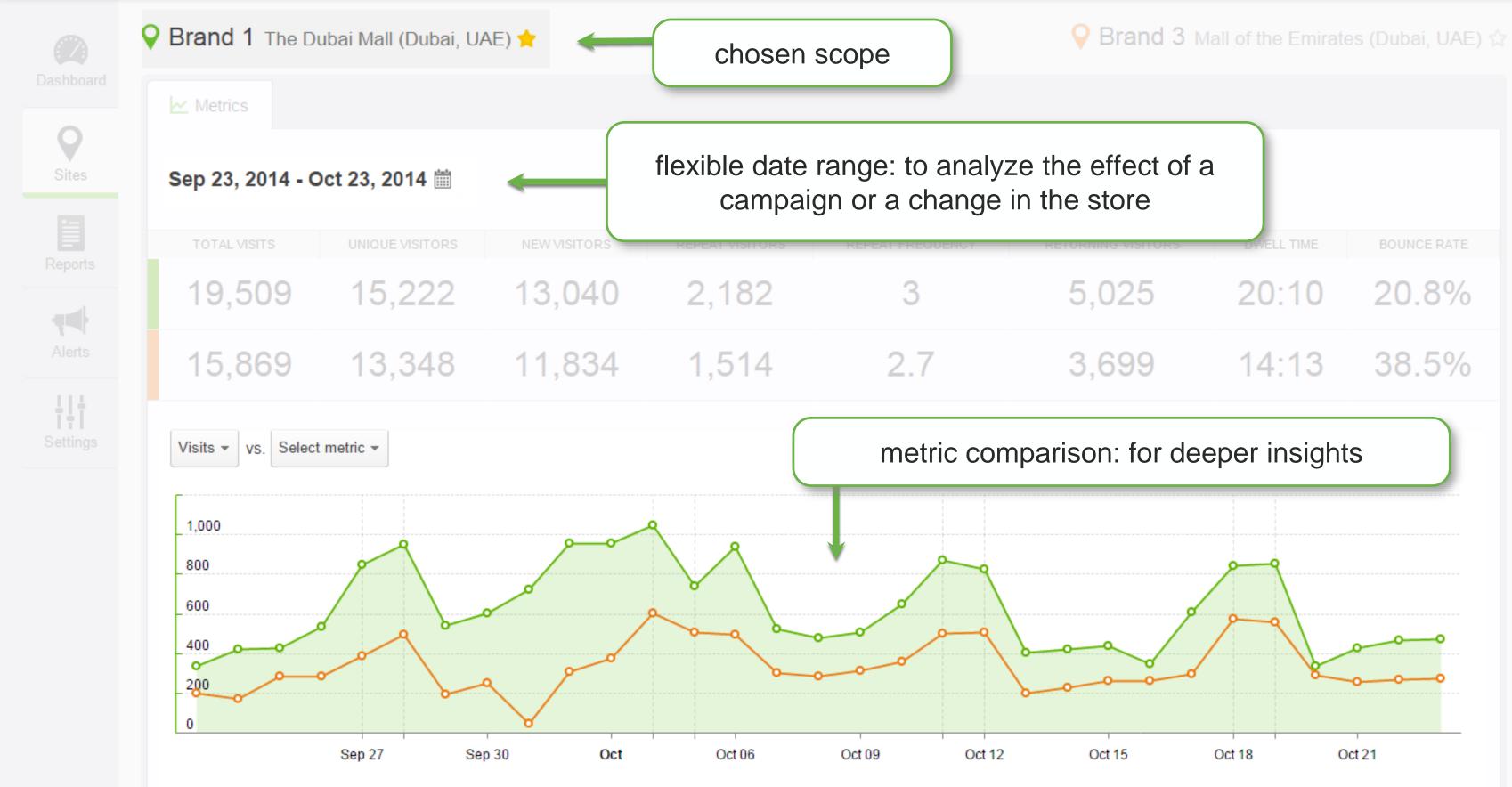




Brand	Country	City	Location	
Brand 1	Egypt	Abu Dhabi	ABC Achrafieh	
Brand 2	Jordan	Alexandria	Abu Dhabi Mall	
Brand 3	Kuwait	Amman	Alexandria City Centre	
Brand 4	Lebanon	Beirut	Amman City Mall	
	Qatar	Doha	Burjuman Center	
	UAE	Dubai	Dubai Mall	
		Kuwait City	Mall of the Emirates	
			Marina Mall	
			Verdun	
			Villagio Mall	

the scope of the insights can be refined by Region, Country, Brand, Mall, Store

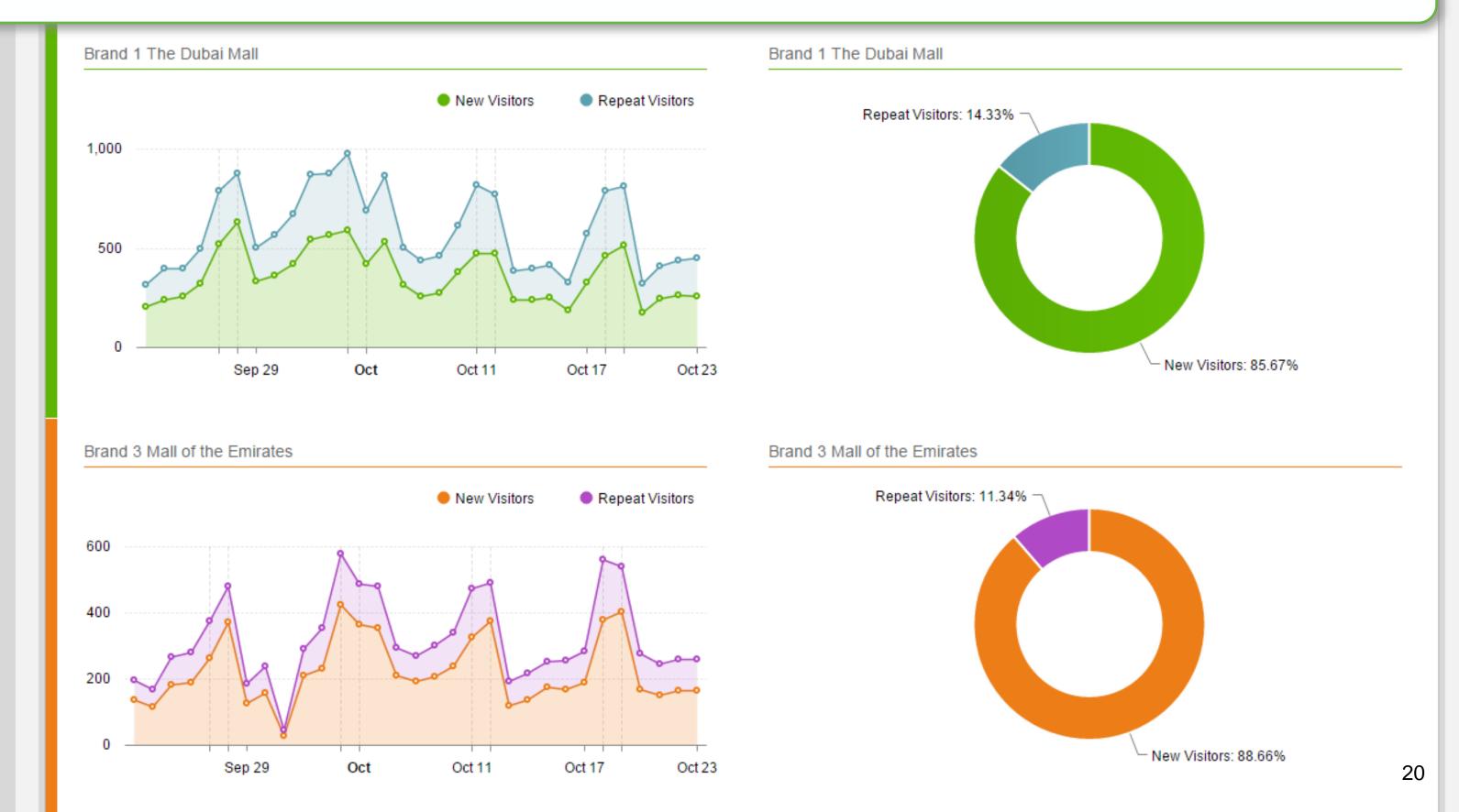
Selected scope: None



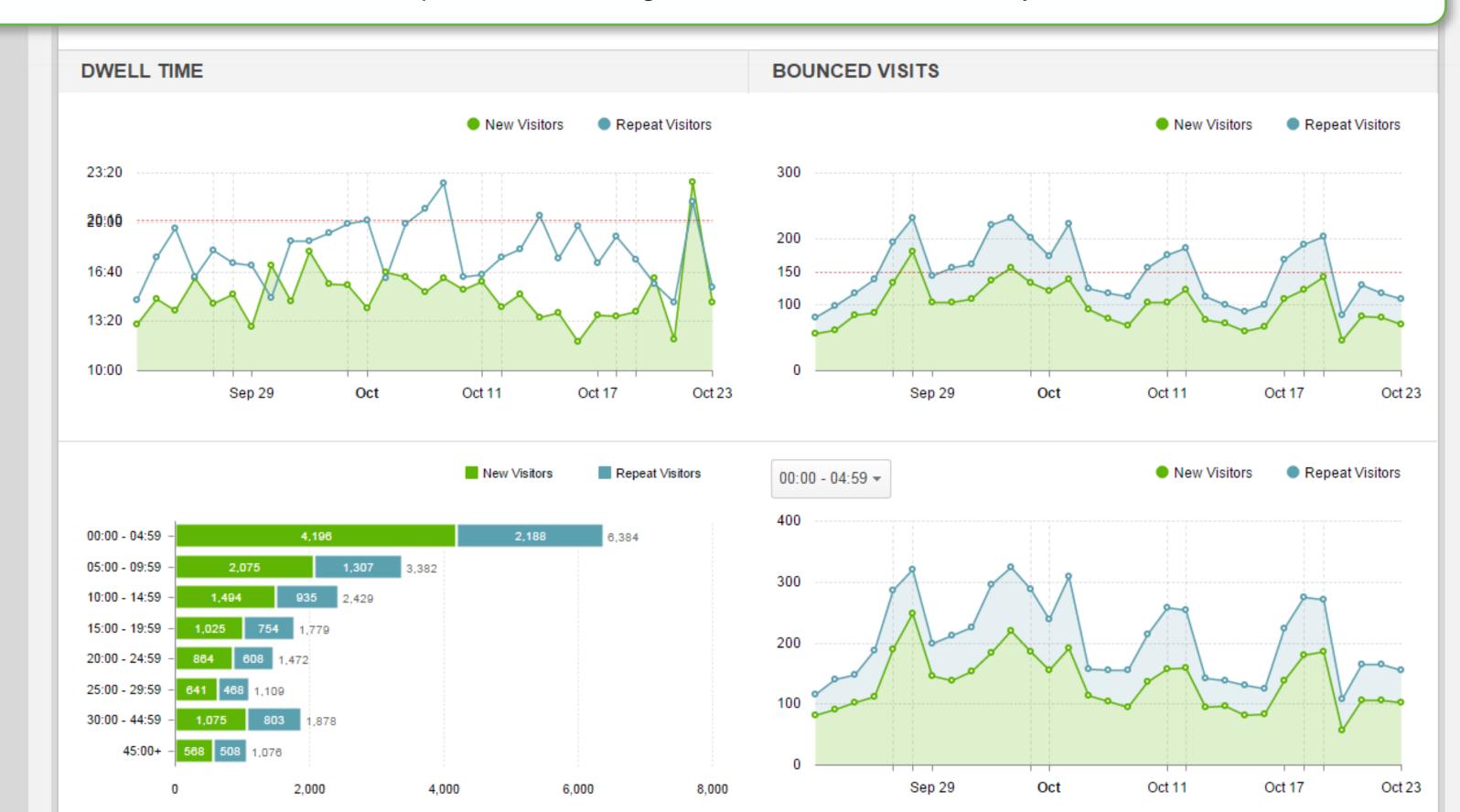
20.8%

38.5%

Quadron Analytics allows you to compare the performance of different locations for deeper insights



It also allows a deeper understanding of the behavior of new vs loyal customers



September 11, 2014 - 10:45:04 AM

ACTIVE VISITS

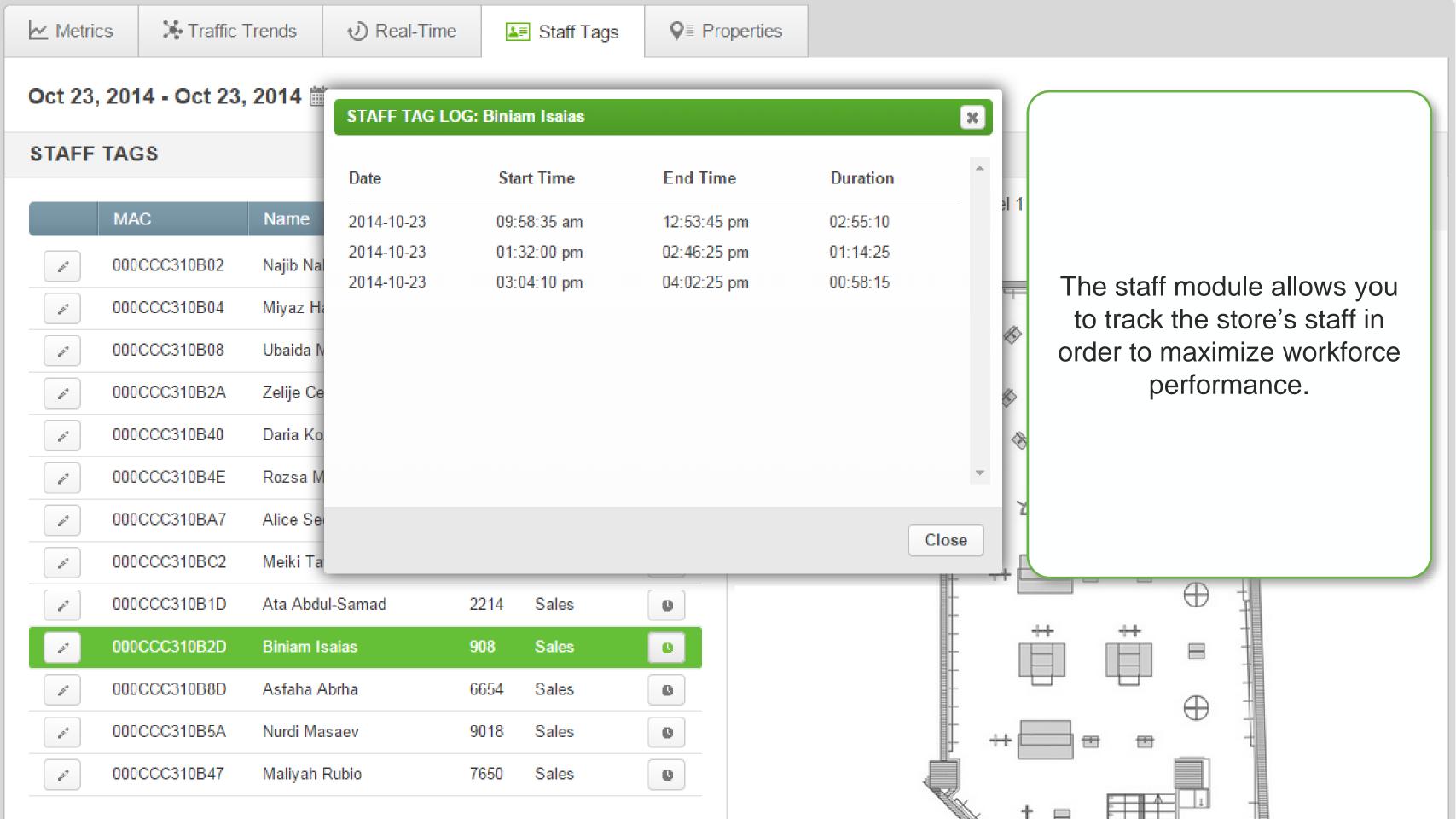
Right Now

9

Active visitors on site

Real time tracking allows the tracking of visitors in real time for close supervision and a quick reaction time.

Notice: Device detection is subject to a processing delay between 5 and 60 seconds and therefore the displayed counts might not strictly represent the actual counts at the current time.





Notifications and Reporting

Quadron Analytics allows you to create custom alerts, delivered by email or SMS, to track your organization's KPIs and keep the operation running smoothly.

Name	Metric	Condition	Value	Period	Start Date	Notification	Status
25,000 visitors mark	Visits	Exceeds	25,000	Month	Nov 28, 2013	Email	ON
Low visit duration	Dwell Time	Drops below	16:00	Day	Dec 4, 2014	Email	OFF
Low bounce rate	Bounce Rate	Drops below	Monthly average	Day	Jan 8, 2014	Email, SMS	ON

Quadron Analytics also allows you to create customized reports that are delivered periodically to the relevant members of the organization.

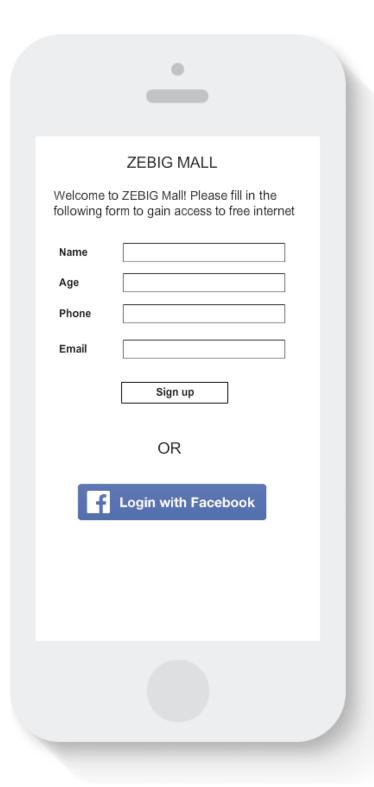




Social Wifi and Customer Engagement

Quadron's wifi network is the most cost effective way to provide your customers with an internet connection.

Customers can be asked to provide personal information in exchange for free internet. This information can be used to create customer profiles and enable you to individually target each customer based on their behavior when you detect them inside your premises.







Location-based loyalty

Quadron Analytics gives you the ability to reward your customers on their visits, their visiting frequency and the time spent on your premises. This will allow you to drive more traffic to your locations and encourage people to spend more time exploring your premises.

In order to achieve that Quadron Analytics can be integrated with any loyalty system and will act as a trigger for rewarding points and activating programs.





The Quadron Solution

Armed with such exhaustive data, you can make informed decisions on:

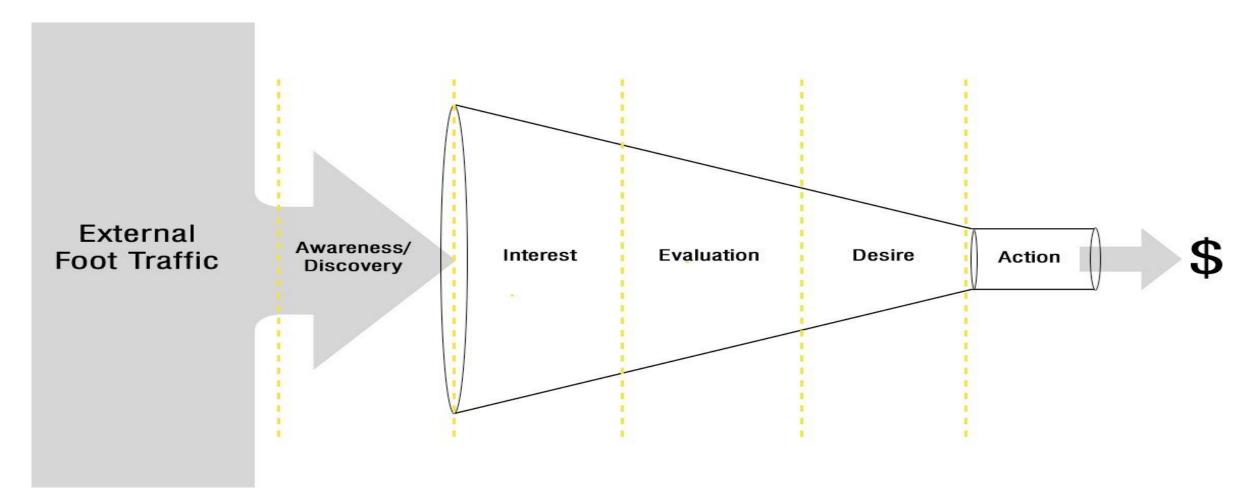
- Window displays
- Product placements and displays
- Staffing requirements
- Floor layout
- In-store promotional activities
- Advertising and marketing campaigns





The Quadron Solution

...and get a better understanding on shoppers' level of engagement and the stage of the purchasing process at which they are exiting the most







The Quadron Solution

Quadron Analytics' metrics have a direct impact on key activities:

1	Customer Behavior	Impact				
	Total visitor count	Marketing activities, visual merchandising, storefront window design				
	New vs. repeat visitors analysis	Marketing activities, visual merchandising, loyalty management Marketing activities, visual merchandising, loyalty management				
	Visit frequency averages and distribution					
	Dwell time: average time spent in store	Visual merchandising, floor layout, staffing				
	Capture rate: percentage of passers by who entered the store	Storefront window design, retail location performance				
	Bounce rate: percentage of people leaving the store without engaging with the merchandise	Visual merchandising, pricing				
2	Traffic Trends					
	Storefront traffic v/s In-site traffic	Storefront window design, retail location performance				
	Heat Maps determining in-store hot spots and dead zones	Visual merchandising, pricing, floor layout, staffing, in-store promotions				
	Peak hours and seasons	Staffing				



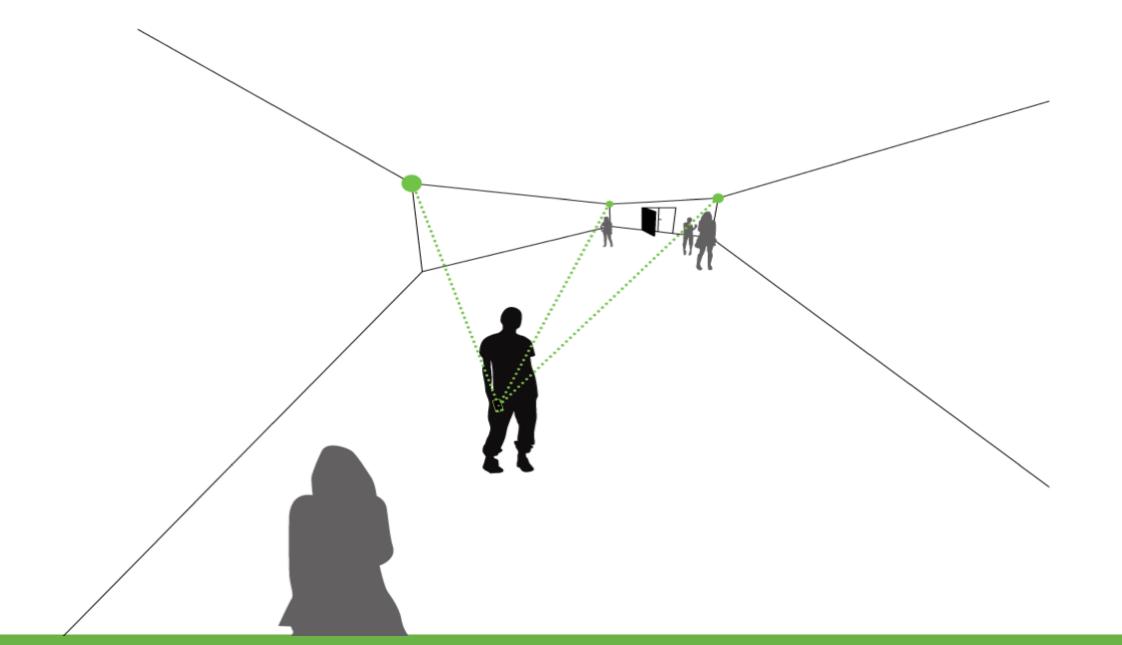
The Technology

- Today, over 80% of mobile phones are smart phones that have Wi-Fi enabled at all times
- These phones are continuously broadcasting publicly visible Wi-Fi signals
- Quadron radio sensors capture these signals and relay them to the Quadron Analytics Server, which in turn uses proprietary algorithms to calculate the user's position, visit length, visit frequency and a lot more
- The process does not require any action from the user and does not interrupt or interfere with his shopping experience in any way





The Technology







The Technology

- Quadron sensors are specially configured Wi-Fi access points
- After studying the store's floor plan, they are installed in a mesh configuration that allows the complete coverage of the floor space
- Each sensor requires only access to power, but only one sensor requires Internet access
- Sensors are housed in an elegant enclosure that conveniently hides the unit, antenna and cabling





Visitor Privacy

- Visitors are always totally anonymous: Wi-Fi signals transmitting from their smart phones do not include any private information such as their name or mobile number or any other data on their device. They only include their device's public MAC address (e.g. 40:B3:95:73:BE:82)
- All gathered data is hashed and stored in a secure cloud environment
- Quadron presents only aggregated data from the patterns of anonymous users





thank you

Rami Amcha Business Development Executive

ramcha@irsal-saudi.com

+966 55 74 32 041

