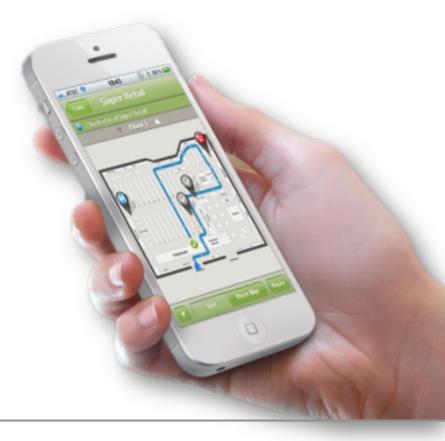
How Indoor Location Enables Mobile Retail Place London 2014



Nathan Pettyjohn | CEO | Aisle411





\$608,000,000,000 Lost In Retail Walk-Out Sales in 2014

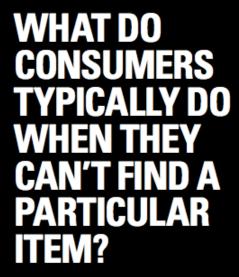


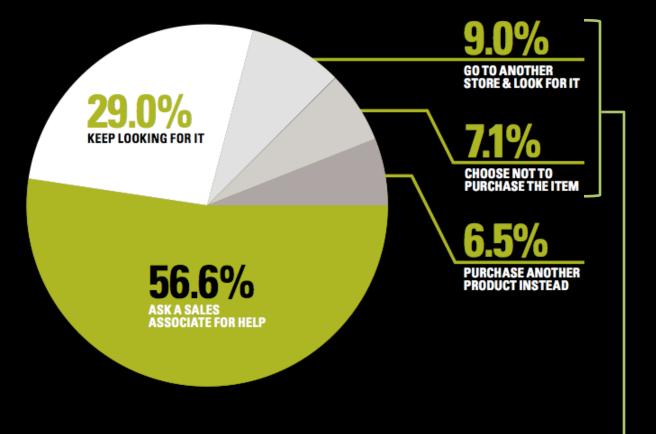












16% Loss of Sales = \$608 Billion Globally

Top 250 Retailers do \$3.8 Trillion of In-Store Sales

Marketline, 2014



aisle411 National Online Research Study - Feb. '14



©aisle411 2014

Imagine Delighting In-Store Shoppers within Seconds of their "Mobile Moment"





Delighting Shoppers with Indoor Location

=

More Store Visits & Bigger Baskets





Agenda

Indoor Location Is Enabling Retail and Mobile

- Key market drivers for Indoor Location
- How Retailers can implement <u>now</u>
 - Use cases
 - Early adopter retailer KPIs
 - How to choose vendors







Powering indoor maps, search, location and analytics



Coverage:

13,500 retail locations

2.3 Million products





















Aisle411 Solutions



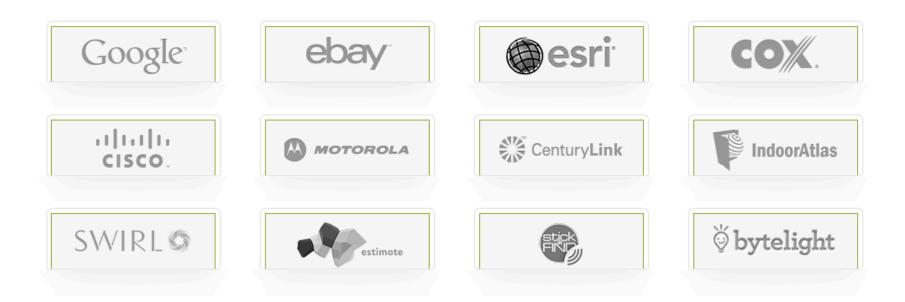




©aisle411 2014



Key relationships within Search, Shopping and Location



...and many more.



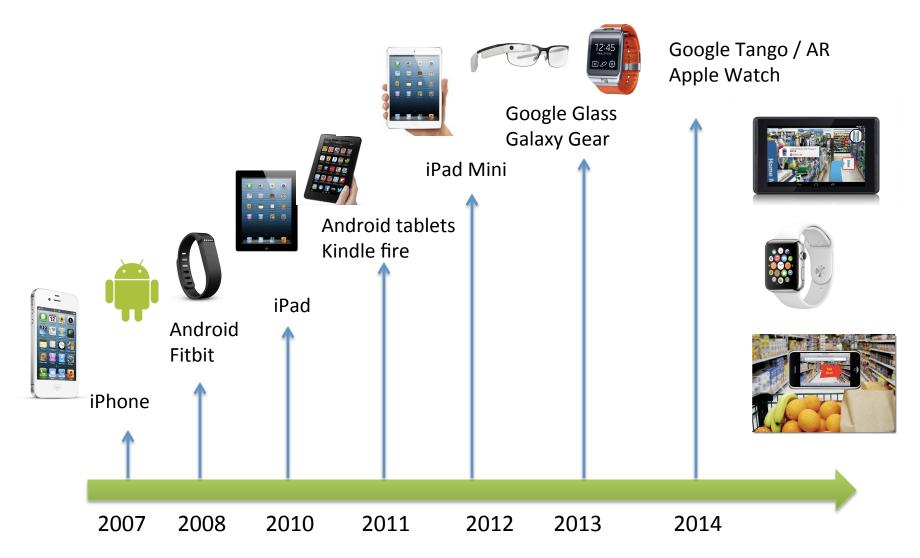


Key Market Drivers for Indoor Location





Tech Evolution: Mobile and Wearables



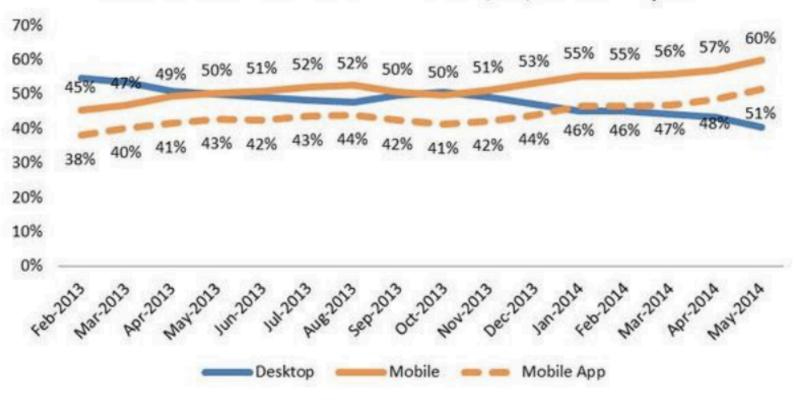




Mobile Overtakes Desktop

Share of U.S. Digital Media Time Spent by Platform

Source: comScore Media Metrix Multi-Platform, U.S., Feb 2013 - May 2014







I'd rather give up a, like, a kidney than my phone.

Teenager Quoted in The Guardian





Trust, Speed and Timing





15 ©aisle411 2014

Shoppers Trust their Mobile Devices

73%

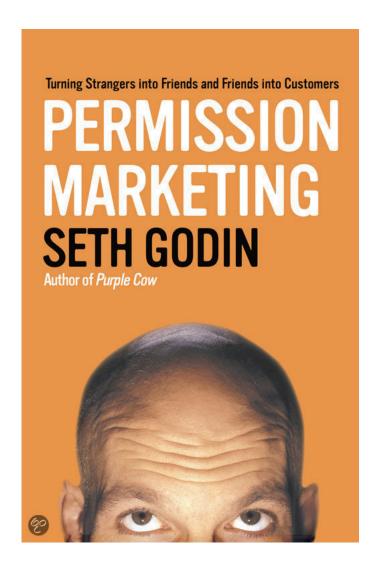
Of Smartphone shoppers prefer to use their mobile for assistance in-store vs. an associate!!





Delloite Digital, 2014

Why Shoppers Trust Mobile



Familiarity and frequent interactions provide the basis for trust.

The take-away:

Shoppers turn to mobile because they use it frequently, and trust it to give them the best information.





Shoppers Will Share Positioning "If"

77%

Willing to share location if it provides enough value

Swirl, 2014





Shoppers Demand Speed

80%

of consumers will abandon an in-store purchase if they have to wait more than five minutes for services like helping them find products, answering questions, or checkout.

2014 Future Stores Conference - Seattle, WA





Shoppers Demand Answers in "Mobile Moments"

200

times per day

people on average check their mobile device, i.e. "mobile moments"

"In these mobile moments, they expect companies to understand their context and offer relevancy as well as both curated and streamlined experiences on mobile devices."

- Julie Ask, Forrester Research

2014 Forester, Re-Engineer Your Business For Mobile Moments





In-Store Buying Is Here to Stay

90%

Of retail purchases take place in-store





Shoppers Use Mobile In-Store

84%

Of smartphone shoppers use their devices to help them shop while in-store





Local Search Drives In-Store Visits



Who find local information in search results helpful are more likely to visit stores





Mobile Use Frequency In-Store Drives Sales

25%

Increase in spending with shoppers who frequently use mobile in-store vs. those who only occasionally use.





Indoor Location is Affecting Purchase Behavior

\$10 Billion

in consumer spending will be touched or directly affected by indoor location by 2018







How Retailers Can Implement Indoor Location Solutions Now





Myth

Indoor Location is a point-solution, that tracks a Shopper's Indoor Position In-Store





Reality

Indoor Location is an ecosystem of data optimization, technology and content management





Indoor Location Key Elements

Data Optimization

Store Floor Map

Product Location Data

Store Inventory Data

Sales Data

Marketing Data

Location Technology

Positioning Technology

Proximity Technology

Actionable Solutions

Product Search & Discovery

Interactive Store Maps

Navigation

Content & Notification Management

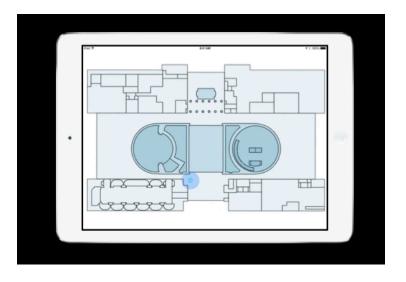
Analytics & Insights





Apple: Positioning vs. Proximity

Positioning



Core Indoor Location API
Cell + GPS + Wi-fi + Motion
2-3 meters + floor
Wi-fi AP dependencies
Wayfinding
Analytics





Proximity



iBeacon
iBeacon Protocol
2-3 meters proximity
Beacon dependent
Trigger Notifications
Analytics

Retailer KPIs

Top Key Performance Indicators for Early Adopter Retailers

- Increase foot traffic
- Increase conversion rates
- Increase Basket Size
- Increase Customer Satisfaction and Loyalty
- Track digital's impact on in-store sales





Indoor Location Uses

- General Wayfinding & Navigation
- Shopper Product Location Mapping
- Shopper List Routing
- Associate Re-Stocking Efficiencies
- Associate routing shoppers
- Online order, in-store pick-up or delivery
- Store Layout and Planogram Compliance
- Notifications of Offers
- Analytics Sales, Product Placement, Shopper Interaction





Retail Indoor Location Landscape

Indoor Maps for Retail

Aisle411

Point Inside

Chipsets

Broadcom

Qualcomm

InvenSense (Motion Sensors)

STMicroeloctonics

CSR

Operating Systems

Apple

Google

Microsoft

Cloud Positioning Systems

Indoor Atlas (Magnetics)

Bytelight (LED)

Qualcomm (LED)

Several wi-fi providers (accuracy is 4-6 meters

Beacons

Shopkick

Swirl

Zebra Technologies

Aruba

Estimote

Stick n Find

Sonic Notify

Gimbal

inmarket

Content Management Systems

UrbanAirship

Most Beacon providors





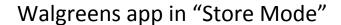
Use Case: Walgreens "Store Mode"

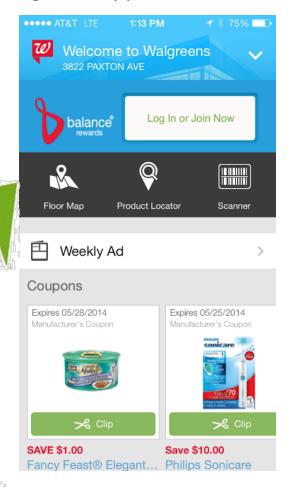
Stores + Online + Mobile

Shop Stores, Online and **MOBILE**

4-6X

"If customers engage across the stores," online AND mobile, they are four to six times more valuable."





Powered by aisle411





Retailer Spotlight



"What we've learned from our customers is they need help with gift solutions, they don't want to be overwhelmed and walk into a 200,000 square-foot store where they can't find their way around and they want us to make it easy for them,"

- Hank Mullany, President, Toys R Us U.S., Forbes 2014





Retailer Spotlight





Strategy:

Make shopping easy with store specific digital store guides

Benefits:

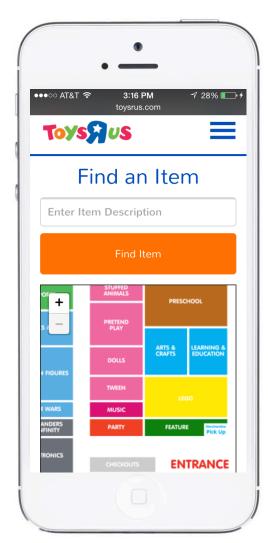
Increase store trips and conversion

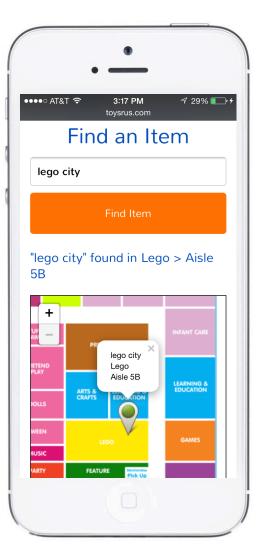
Deployment:

Mobile web and web 590 + stores in U.S.

Functionality:

Map products and deals to the aisle and shelf

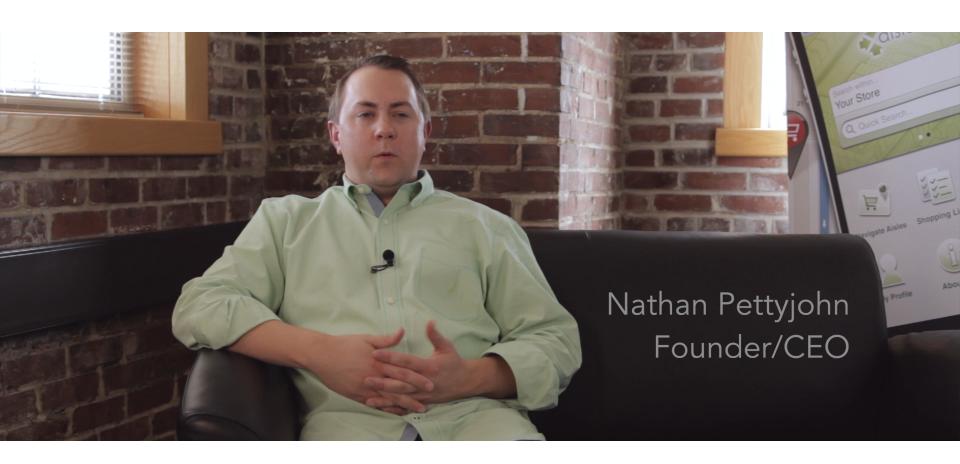








Indoor Maps, Search, and Beacons







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Walgreens



Strategy:

Make shopping more convenient in-store

Benefits:

Increase store trips, conversion and loyalty

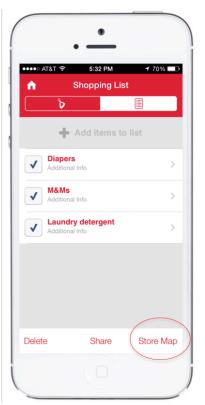
Deployment:

Walgreens mobile apps, & Aisle411 app network 8,000 + stores in U.S.

Functionality:

Map products, lists and offers to the aisle and shelf







5-10% increase in profit from an Aisle411 user





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Strategy:

Make shopping more convenient in-store

Benefits:

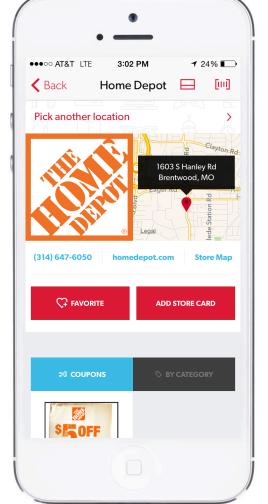
Increase store trips, conversion and loyalty

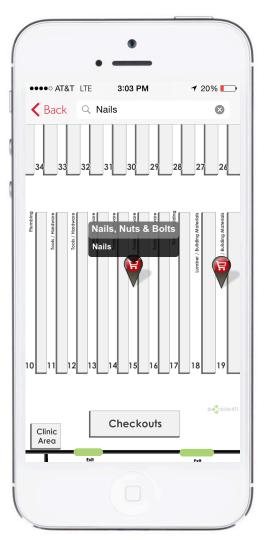
Deployment:

Aisle411 app network and Aisle411 Local 1,980 + stores in U.S.

Functionality:

Map products, and lists to the store and aisle









Store Mapping Value



Increase Store Trips

28%

Shoppers are 28% more likely to make a trip to the store knowing Aisle411 is available.

Increase Conversion In-Store

2X

Products recommended in-store, with location are 2X more likely to be purchased than products recommended out of store with no location.





©aisle411 2014 40





Strategy:

Increase in-store mobile engagement/defend against showrooming.

Benefits:

Increase conversion and loyalty

Deployment:

4-6 beacons per store Expanding pilot to full-store roll-out 2015.

Functionality:

Department proximity discount notifications.





18% engagement rate (avg. mobile banner is 0.4%





©aisle411 2014 41



shopkick



Strategy:

Customize shopper experience, drive department traffic, engage with offers.

Benefits:

Increase conversion and loyalty

Deployment:

Within Shopkick App 4,000 stores

Functionality:

Department proximity discount notifications.







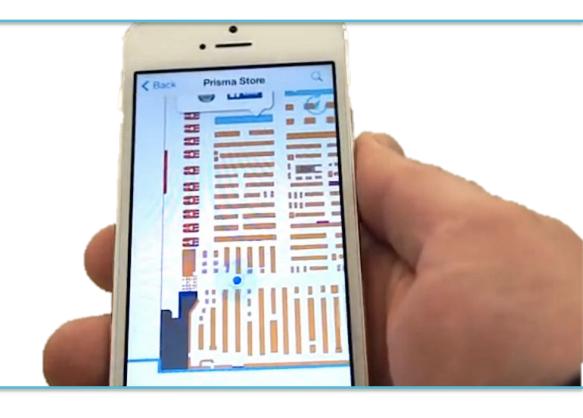
Shopkick users spend 50-100% more than others.

Shopkick found 50% of shoppers don't have phones w Bluetooth on or capable.

Provider Spotlight



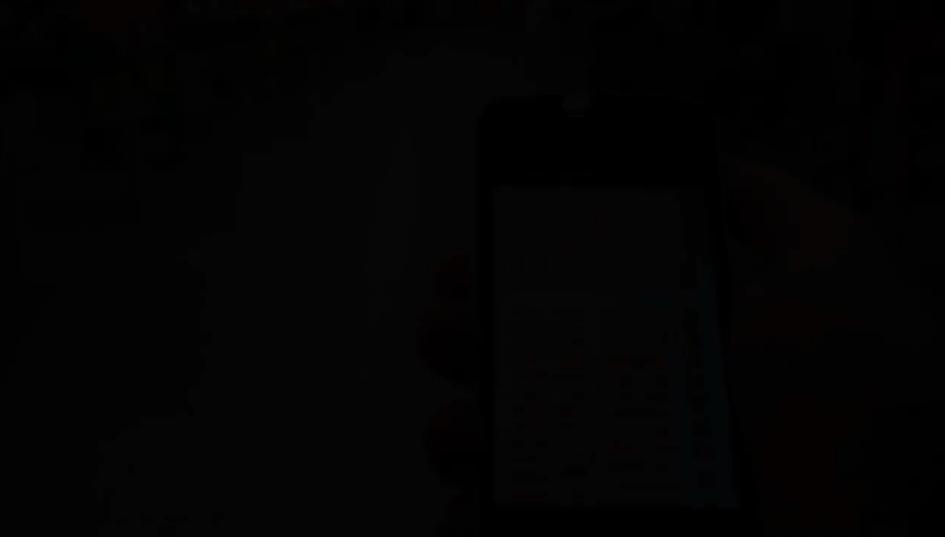
- Magnetic Positioning
- No Hardware Required
- iOS and Android
- Cloud-powered
- Accurate to 2 meters







Provider Spotlight









Indoor Location Provider Considerations

Checklist for Choosing Indoor Location Vendors

- 1. Cloud Solution
- 2. Proven Scale
- 3. Proven Enterprise Deployments
- 4. Fast deployment capabilities
- 5. Integration Flexibility
- 6. Custom Solutions
- 7. Extend Reach beyond your own brand
- 8. White label deliverable
- 9. Retail Expertise
- **10.Data Management and Optimization**





Getting Started

Steps To Implementing Indoor Location

- 1. Organize store data: Product location data, store maps
- 2. Create Optimized Store Maps for Shoppers and Operations
- 3. Add proximity technology: Beacons
- 4. Add precise positioning technology: Magnetics and other
- 5. Add Next Gen Experience: Augmented Reality





Glimpse of the Future









Aisle411 Partnered with Google to create the next generation of the in-store shopping experience







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Aisle411 and Project Tango





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Nathan Pettyjohn | CEO | Aisle411



