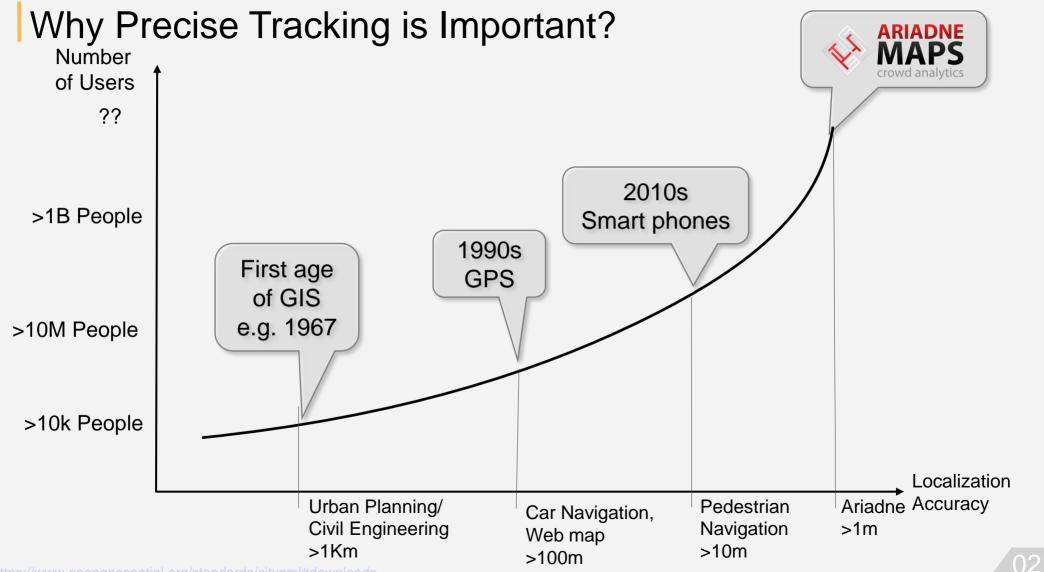
ARIADNE | Real-time Analytics For The Real World

AriadneMaps.com

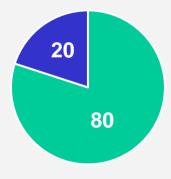


https://www.opengeospatial.org/standards/citygml#download

Why Precise Tracking is Important?



- Even though we spend approximately 80% our time indoors*, LBSs are developed for outdoor environments.
- Their main components are a localization method and a map, but unfortunately
 - GPS cannot work indoors, since its signal cannot penetrate solid objects, such as walls.
 - Most of the indoor places lack of indoor maps.



Indoors Outdoors

Commercial Real Estate Operators are Flying Blind

The Commercial Real Estate (CRE) Market it is still effectively lacking an analytics layer. CRE monitoring and optimization are stuck in the previous century. track visitor trajectories today (by pen and paper).

This is how leading retailers, such as IKEA,

Current Solutions Do Not Work



Manual counting Calculate footfall & traffic Costly and not viable solution.



Loyalty cards Track purchases of repeat customers Used by less than 20% of customers.

No info on in-store behavior.



Cellular / GPRS Calculate catchment area

Costly and inaccurate data with limited coverage.

Cameras Calculate footfall & traffic

 \bigcirc

Costly and limited coverage (20m² per camera). No loyalty, dwell time, catchment area and trajectory tracking.



WiFi connection Identify popular areas Limited coverage, privacy problems.



Beacons

Track repeat customers

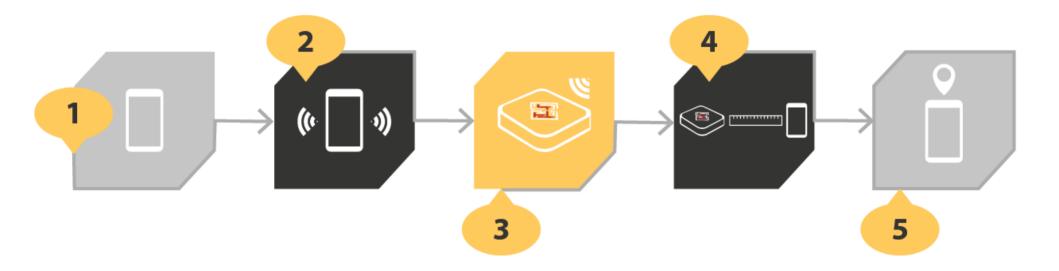
Only 1 in 1000 visitors install the required app.







Our Solution and How It Works



Everyone carries a smartphone.Every phone is emitting signals.Ariadne's devices sense such signals.They estimate the distance from eachThen compute the exact location of each individual.Even in airplane mode!No opt-in required!device. Up to 30cm accuracy!Every 20 seconds!	Phone	Signals	Device	Distance	Location
	-	emitting signals. Even in airplane	sense such signals.	distance from each device. Up to 30cm	exact location of each individual.

Powered by the Most Accurate AI

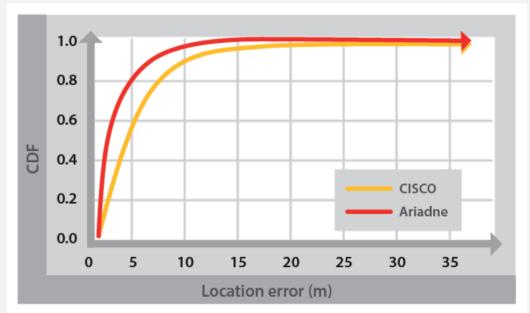
We are 3x more accurate than Google's AR Core. Even though we do not use cameras.

IEEE IPIN 2018

International Conference of Indoor Position and Indoor Navigation

Rank	Team
1st	Ariadne
2nd	ETRI
3rd	CLE
4th	UPJS
5th	Google
6th	IBM
•••	

We have 3x more accurate median accuracy than Cisco, while having 5x higher coverage.



 Huy Tran, Abhishek Mukherji, Nirupama Bulusu, Santosh Pandey, Xu Zhang, "Improving Infrastructure-based Indoor Positioning Systems with Device Motion Detection". IEEE International Conference on Pervasive Computing and Communications, 2019, Kyoto, Japan
Georgios Pipelidis, Nikolaos Tsiamitros, Efdal Ustaoglu, Romeo Kienzler, Petteri Nurmi, Huber Flores, and

[2] Georgios Pipelidis, Nikolaos Tsiamitros, Efdal Ustaoglu, Romeo Kienzler, Petteri Nurmi, Huber Flores, and Christian Prehofer, "Cross-Device Radio Map Generation via Crowdsourcing". IEEE International Conference on Indoor Position and Indoor Navigation, 2019, Pisa, Italy

[3] V. Renaudin et al., "Evaluating Indoor Positioning Systems in a Shopping Mall: The Lessons Learned From the IPIN 2018 Competition", in IEEE Access, vol. 7, pp. 148594-148628, 2019, doi: 10.1109/ ACCESS.2019.2944389.

Product walkthrough

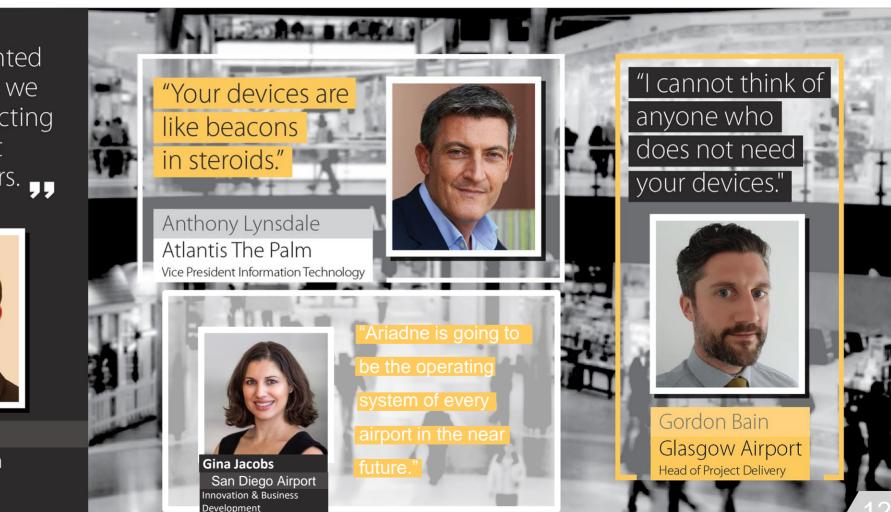
1 Configuration		3 Real-time analytics	
Settings	2 Benchmarking		4 Value-add
Tracking Parameters	Installation Quality	Unique Visitors and Dwell Time	Optimal Employee Shifts
Monitoring Areas	Localization Accuracy	Loyalty per Time Slot	Locations of High Sales Conversion Anchor Products/Stores
System Status	Counting Accuracy	Catchment Area	CRM Integration 09

Our Customers Love It!

You presented to us what we were expecting to see in at least 7 years.



Janis Diekman Deutsche Bahn Innovation Manager

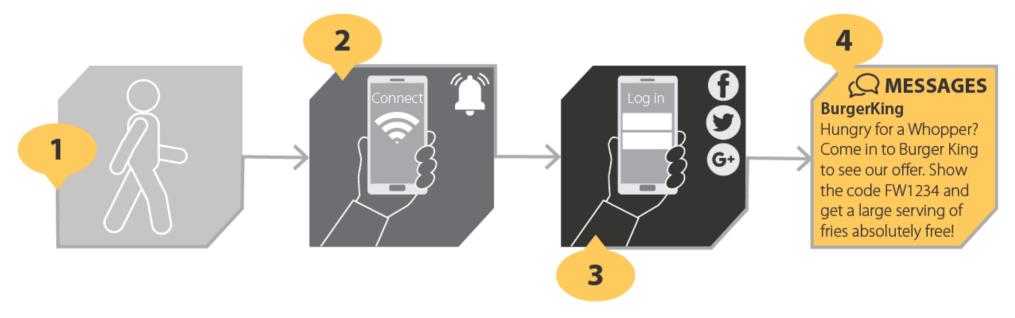


...and Most Importantly It Respects People's Privacy



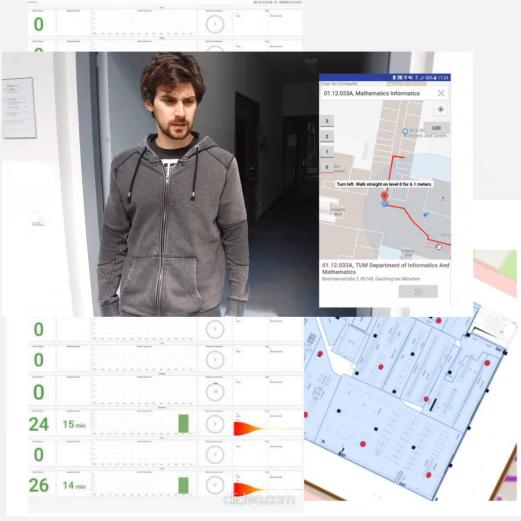
Bavarian Data Protection Authority "Ariadne tracking technology is anonymous and does not fall to the GDPR regulations."

Our Solution Provides a Bidirectional Flow of Information



Visitor	Notification	Log in	Gets offers
Visitor walks in your premises.	Receives notifications to Opt-In.	Opts-In with preferred method.	Receives notifications that are related to her location.

First In Market 360° Solution



How does it work?

When the users have opted-in you can:

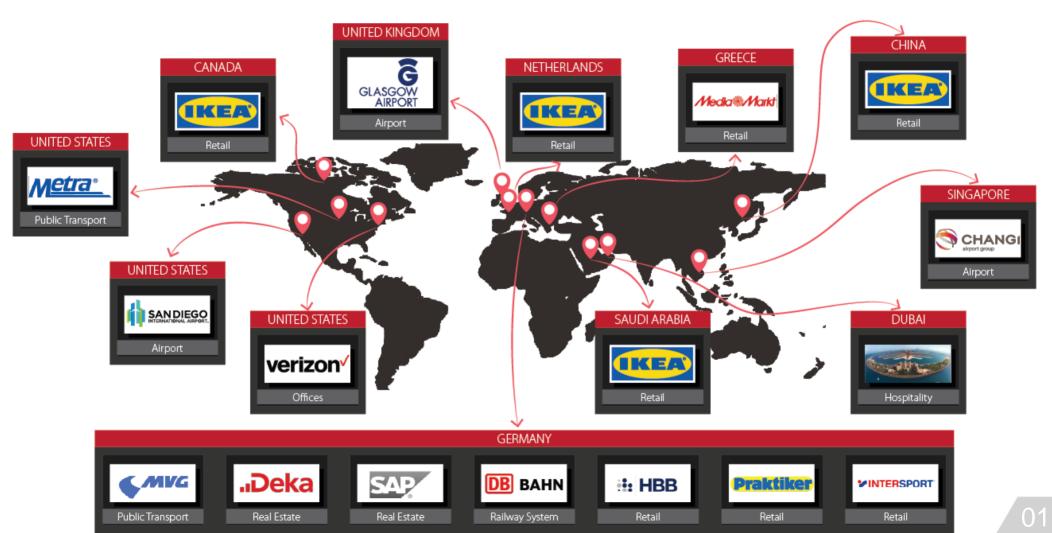
- push WhatsApp, Messenger, SMS or Emails to your customers and strengthen their loyalty,
- obtain demographics that will help you to better understand your customers,
- populate you CRM with leads that have been generated from loyal customers,
- increase your revenue by pushing ads to your visitors,
- push surveys and collect usefull feedback from your customers.



Full Integration with your Existing Systems



Adopted Across Geographies and Industries



Core use cases



We are an international team of crazy ambitious people.

A diverse team of 24

Growing our team in Greece!



Dr. Georgios Pipelidis CEO and Co-Founder



Mustafa Parlak **Business Development** Manager



Kostas Ziampakas Onboarder



Nikos Tsiamitros CTO and Co-Founder



Nam Le Duc

Hasim Koc Victoria Tsiamitrou **Business Development** Manager



Xiaolin Hou Kostas Kitsikidis Account Manager Chief Account Manager



Pati Flannerv Strategic Partnerships, N. America



Naieeb Khan **Computer Vision** Engineer



Karolina Piekarz Administrative Assistant



Francesco Vasta Key Account Manager



Wasig Rumaney



Data Scientist





Ira Dobrovolska Data Scientist



Kostas Theocharoulis Data Engineer



Roman Kees Data Engineer





MARATHON VENTURE CAPITAL

Md Shahabuddin Wireless Network Engineer



Precious Adipere Procurement Specialist







Kalliopi Pipelidou Graphic Designer





Theodore Polykandriotis Director of Sales, S. Europe and M. East









Elli Dimopoulou





Thank you!

Georgios@AriadneMaps.com

Return of Investment for Our Customers





Dimitris Galanis Praktiker CEO

Watch in YouTube

Ariadne's Value for us:

- We <u>save 10% of costs per year</u> thanks to Ariadne's State-of-the-Art Employee Scheduling.
- We have increased <u>by 11% Our Sales Revenue</u> thanks to better employee distribution, introduced by Ariadne, which enabled us to:
 - Increase our sales conversion by 6% and
 - Reduced our customers bounce rate by 5%

Return of Investment for Our Customers





Raier Latzlspenger Weko Wohnen GmbH ceo

Ariadne's Value for us:

- We have increased by <u>40% Our Sales Revenue in</u> <u>certain products</u>, thanks to the improved customer experience that we introduced via experimenting with Ariadne.
- We have <u>20% increased customer traffic</u> thanks to improved visual merchandizing that was evaluated with Ariadne.

Watch in YouTube