

Big Data and AI for smart and optimized mobility networks : Ridership monitoring and prediction



How do citizens use public transport in a post-covid era?

Billions Of data points daily*

88% Of these data not used*

38% - 45%

Citizens have avoided public transport use since the pandemic*

30%

Would use public transport often if they had access to the occupancy information*

Barriers to monitor new mobility patterns



Passenger counting systems





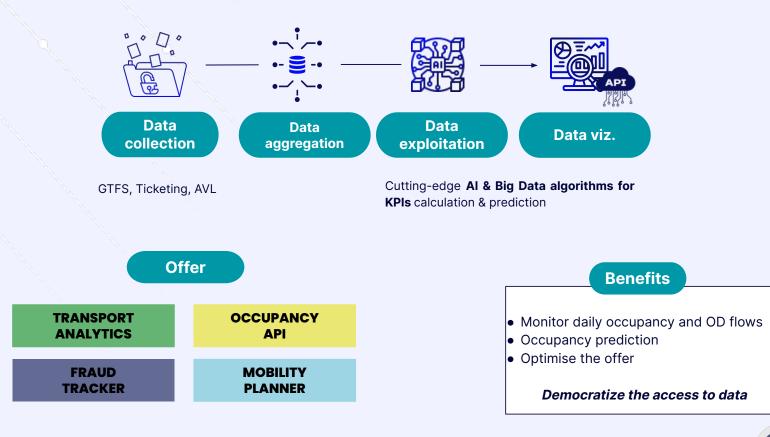
Manual data treatment

THE PROBLEM

*International Data Group, IBM, Interna **Transit & Moovit Research (2021)

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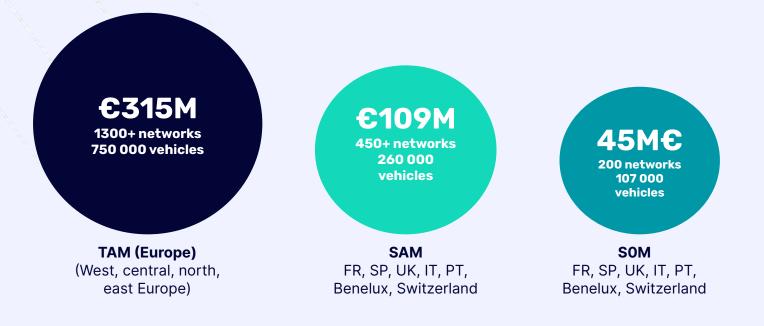
A complete and automated process



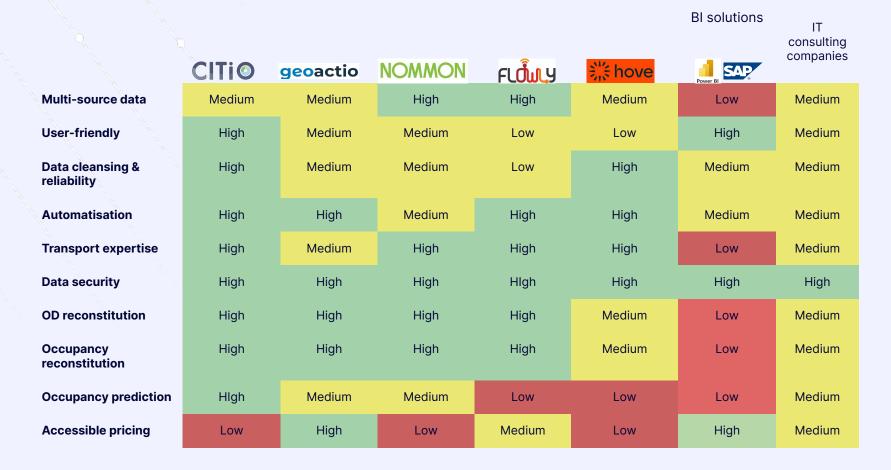
*Transit & Moovit Research (2021)

Market size and target market (Europe)

Target: Transport networks in Europe, cities >50k inhabitants (urban network), regional networks (interurbain bus and trains), equipped with ITS systems

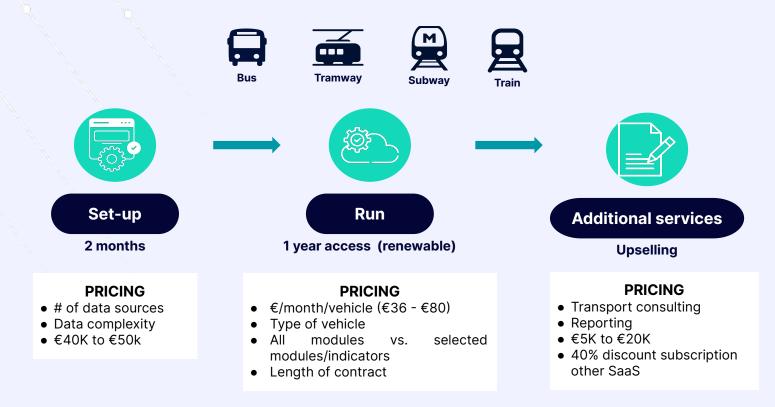






COMPETITION

SaaS for Public Transport Authorities (B2G) and Public Transport Operators (B2B)



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	2020	2021	2022	2023	2024	2025	2026	2027
# of clients	10	15	20	25	32	42	55	65
Countries	France Morocco	France Morocco	France Morocco	France Morocco Spain	France Morocco Spain, Italy Benelux	France, Morocco Spain, Italy Benelux, Portugal Switzerland	France, Morocco Spain, Italy Benelux, Portugal Switzerland	France, Morocco Spain, Italy Benelux, Portugal Switzerland
Market share	1,3%	2%	2,7%	3,8%	5%	7,2%	8,9%	12%
Revenue (€)	600k	900k	1,2M	1,7M	2,3M	3,25M	4M	5,4M



3 pillars of our commercial strategy



Internationalisation \rightarrow European networks with ITS and similar data context to France

Upselling \rightarrow Additional products, transport & data consulting, reporting



Partnerships \rightarrow Collaborate with consultancy companies (data & transport), ITS companies, local transport associations.



NEXT GENERATION DATA INCUBATOR

International exposure Product-market fit Algorithmic improvement Product improvement

2 new opportunities in Spain C

"Your software is a monster!"



Urrotz Larrañaga Technological Modernisation **Bilbao City Hall**

Bilbao Ekintza

REACH DATA PROVIDER

Our Team



Coralie Triadou

General Manager 15 years Mobility & management



Eglantine Schmitt

Chief Product Officer PhD, 10 years experience in Tech/Data, Product Management



Noëlie Cherrier

Head of R&D PhD, 5 years experience in Data Science and IA



Julien Zamor

Technical Director 15 years experience in tech/data.



Armelle Chevenez

Chief Operations Officer Transport Engineer. 8 years experience in operations and consulting



Business Manager 5 years experience in Business Development and Transport

SciencesPo









Company overview

AGGLOMÉRATION

Syndicat

des Mobilités

de Touraine

 $- \circ \sim \sim$



bibus





MOBILES DE TOUTES FACON



CITIO REACH NEXT GENERATION DATA INCUBATOR

Thank you!



Product roadmap



Integration of socio-demographic data in O-D reconstitution



Integration of multimodal data (bicycles, parkings)



Integration of weather forecast in occupancy prediction



GO-TO-MARKET STRATEGY - 6 MONTHS

Key mobility events





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Partnership development: ITS companies + mobility associations

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3

GO-TO-MARKET STRATEGY



Patent Citio's algorithms (O-D reconstitution, occupancy prediction)





€15k to €50k

data sources

Data complexity

Size of the network

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Annual subscription

BASIC PRICING:

- Bus: €36-42€/month/vehicle
- BRT: €35-60€/month/vehicle
- Tram, subway: €50-€80/month/vehicle

The price depends on the # of modules in the platform activated (6 available modules) AND on the size of the network. 5 categories of networks:

- < 100 buses
- 100 200 buses
- 200 to 300 buses
- 300 to 500 buses
- >500 buses





Additional services

Transport consulting & reporting (€5k to €20k)

Sell of additional products (SaaS platforms) with 20% to 40% discount:

- Fraud Tracker
- **Transport Planner**
- Mobility Planner



OUR REVENUE MODEL

Annual contract value per type of customer

• Tier 1. Small-sized city/fleet: 30k (20%)

• **Tier 2.** Mid-sized city/fleet: 50k (60%)

• **Tier 3.** Big-sized city/fleet: 80k (20%)

• Set-up: 50k

CONTRACT VALUE

Ratio LTV/CAC

Customer acquisition cost

€50 000

• Sales, marketing expenses

Customer lifetime value

€176 000

Total revenue/# customers

Ratio LTV/CAC = 3,52

CITiO Ridership Analytics & Occupancy API

IA & Big Data Technologies for a Securised Data Value Chain

