

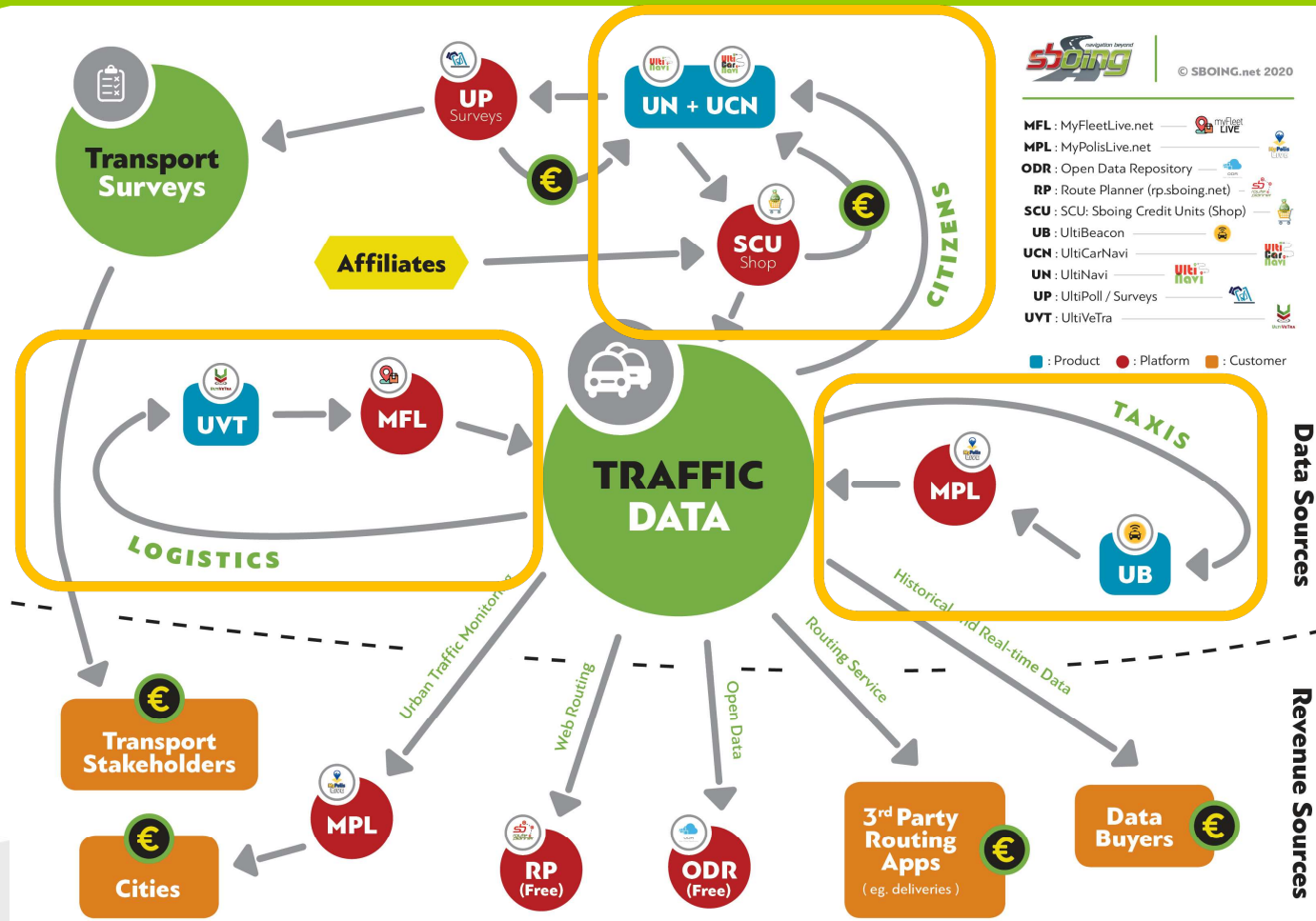


Benefits of Partnership with



A presentation of our Achievements over a decade

The Big Picture



3 Data Sources:

- ✓ CITIZENS
- ✓ TAXIS
- ✓ LOGISTICS

Each Data Source consists of:

- a crowd
- a product ■
- a platform ●

4 Revenue Sources:

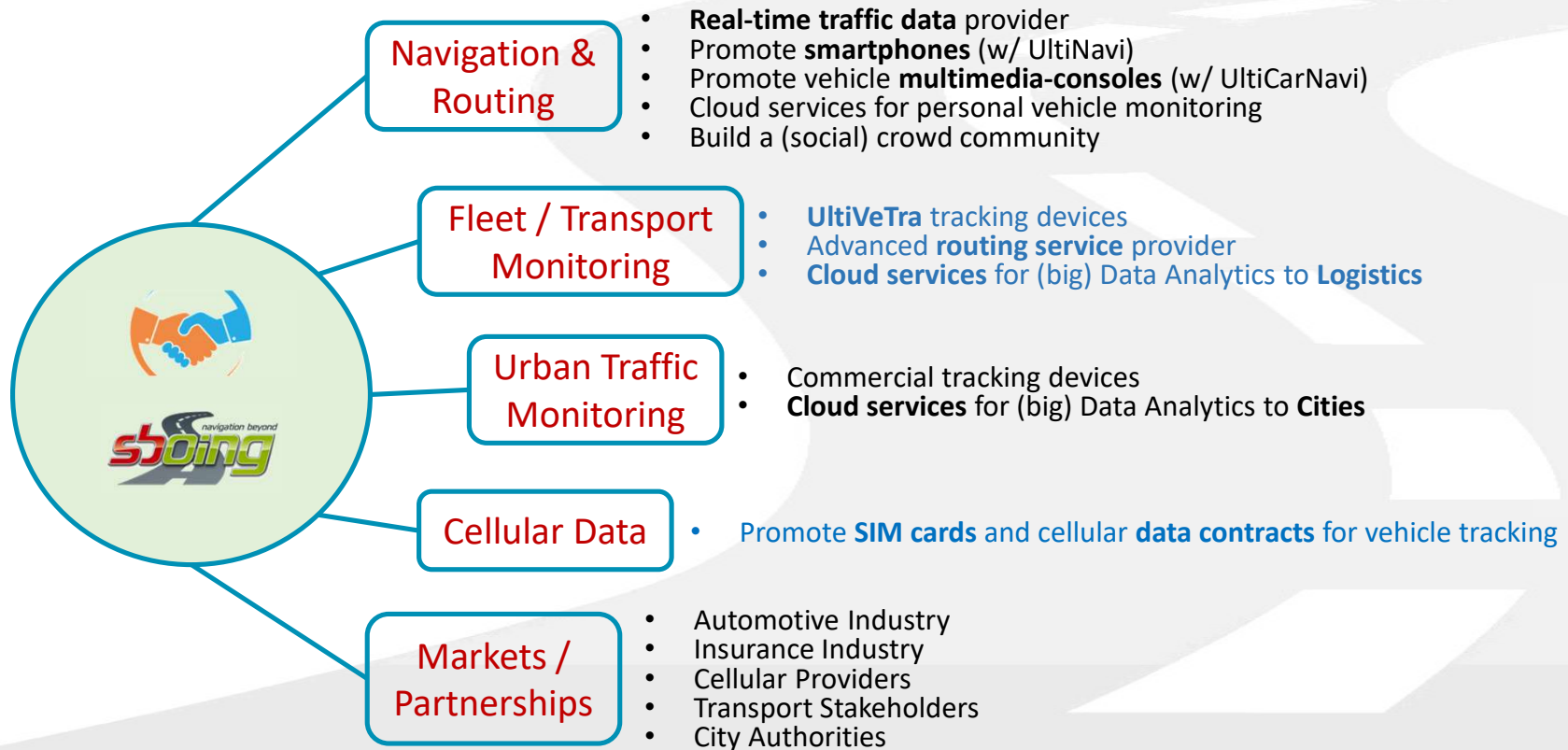
- ✓ Data Buyers
- ✓ 3rd-party Apps
- ✓ Cities
- ✓ Transport Stakeholders

Other (free) Services:

- Route-Planner
- Open Data Repository



Benefits from a Partnership with SBOING



Navigation & Routing Technology



- ✓ Free, offline, 3D navigation
- ✓ Multilingual voice guidance
- ✓ Fast, multi-waypoint routing
- ✓ Better, adaptive routing algorithms
- ✓ Global, optimized, OSM-based maps
- ✓ Frequent (next day) map updates
- ✓ Versatile, offline searching options
- ✓ Route simulation
- ✓ User-defined viewing macros
- ✓ User-customizable view and functionality
- ✓ In-vehicle Dashboard
- ✓ Social features ("I'm here", route sharing)
- ✓ Crowdsourced map updates (POIs, routes)
- ✓ Offline route recording
- ✓ Incentivization via digital virtual currency
- ✓ Supports map overlays (gas prices, hotels, etc.)
- ✓ Module for Transport surveys (UltiPoll)
- ✓ Real-time traffic (info, alerts, routing)
- ✓ Scalable, globally
- ✓ Special edition for in-vehicle consoles
- ✓ Runs on Android (soon on iOS, too)
- ✓ Internationally patented methodology (18 patents)



- ✓ Background app in Taxis to collect traffic data
- ✓ Transparent for the driver
- ✓ Provides urban traffic conditions for any city
- ✓ Strongly secure & compressed communications
- ✓ Piloted with 400 taxis for a 1.5M-people city



- ✓ Web platform for Urban Traffic Monitoring
- ✓ Provides urban traffic conditions for any city
- ✓ Covers the entire city's road network, globally
- ✓ Aggregates location data from many sources:
 - ✓ from UltiNavi, UltiBeacon & UltiVeTra
 - ✓ from commercial trackers
- ✓ Real-time & historical information for every vehicle
- ✓ Real-time & statistics for every road



- ✓ Web app for multi-waypoint route planning
- ✓ Based on OSM maps and SBOING routing
- ✓ Routing offered interactively and as a service
- ✓ Uses better, adaptive routing algorithms
- ✓ Uses real-time traffic info, where available



- ✓ A system for Dynamic Transport Surveys
- ✓ Multilingual, Transport-targeted surveys
- ✓ Web-based and UltiNavi-based (+incentivization)
- ✓ Dynamic campaign monitoring at run-time

Vehicle Tracking & Transport Monitoring Technologies



**myFLEET
LIVE**

- ✓ Hardware device, designed and developed by SBOING
- ✓ Multi-GNSS (GPS, Galileo, GLONASS, SBAS, QZSS, etc.), for higher position accuracy
- ✓ With Inertial Navigation technology, when satellite signal is poor (e.g. in tunnels and urban canyons)
- ✓ GSM/GPRS and Iridium satellite bidirectional communications
- ✓ Ubiquitous sensor interfacing with 1-wire protocol
- ✓ Engine status monitoring, supporting a vast variety of vehicles
- ✓ Monitoring of driving profile and performance
- ✓ Powerful & intelligent processing with advanced & custom algorithms
- ✓ High storage capacity for very long periods of offline operation
- ✓ Advanced power management for high availability and autonomy
- ✓ Smart communications management for cost-optimized operation
- ✓ Strongly secure and reliable operation
- ✓ Remote management
- ✓ Feature-rich fleet management platform (www.myFleetLive.net)
- ✓ Search-and-Rescue (COSPAS-SARSAT) functionality support
- ✓ Piloted with KRI-KRI and MAKIOS Logistics

- ✓ Web platform for Fleet Management
- ✓ Real-time monitoring and historical information
- ✓ Transport conditions monitoring with sensors
- ✓ Fleet / shipment / product / asset tracking
- ✓ Works with UltiVeTra or any commercial tracker
- ✓ Cloud-based data aggregator
- ✓ Data analytics using cloud IaaS / IoT services
- ✓ Strongly secure & compressed communications
- ✓ Scalable globally
- ✓ Role-based smartphone apps
- ✓ Internationally and nationally awarded

WJETS presents a new paradigm in addressing the challenges of Transport Quality Management and Verifiability, by enabling transportable, consumable and perishable “things” or dangerous cargo (IoT) to “tell” their Whole-Journey Experience (WJE) from production to consumption, through the monitoring and collection of sensor data (called “sensourcing”) from all transport legs.



LISTEN TO MY STORY!



Verifiable
Quality

WJETS: Enabling consumable Internet Things to tell their lifetime stories to Consumers through Global SenSourcing!



**Delivery
Services**

- ✓ Web platform for monitoring urban deliveries
- ✓ Dynamic, best route scheduling
- ✓ Adaptive routing based on real-time traffic info
- ✓ “Uber-like” customer notification (w/ app)
- ✓ Fleet monitoring using MyFleetLive.net
- ✓ For super-markets, couriers, home deliveries

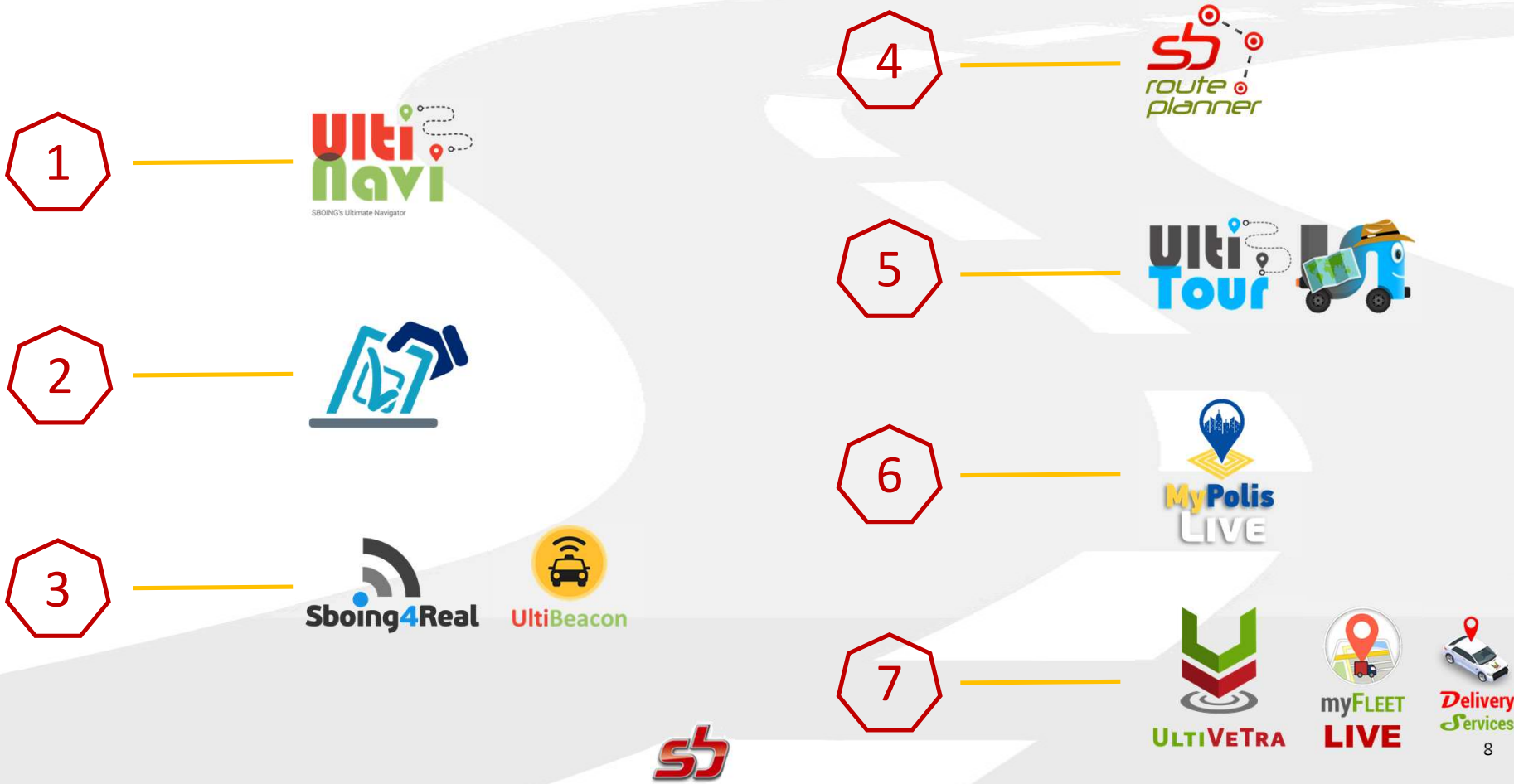




10 years of Innovative Research & Development



Section Indexing



1

Ulti navi



SBOING's Ultimate Navigator



UltiNavi for Smartphones, Tablets & Vehicles

UltiNavi

SBOING's Ultimate Navigator



UltiNavi

Car Edition



UltiCarNavi

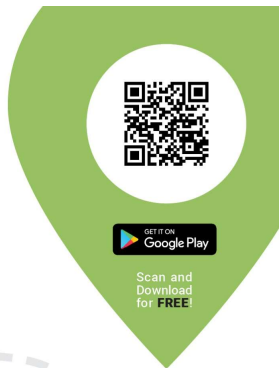


1

UltiNavi: SBOING's Ultimate Navigator

UltiNavi

SBOING's Ultimate Navigator



Here's what you get, completely FREE:

- Global maps[®] with frequent updates and NO ads
- Comprehensive multi-lingual voice guidance for undistracted driving
- Navigation with powerful map searching features
- Switch map views with user-defined viewing macros
- An impressive and informative dashboard for your vehicle

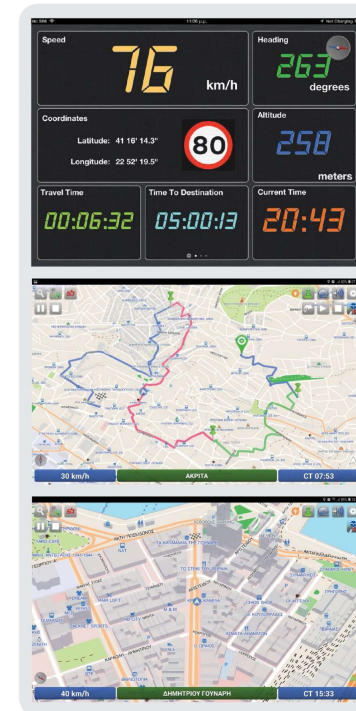
The Ultimate "Navipedia", powered by self-validated, social, collaborative crowdsourcing:

- Add your map info and see it "next day" on UltiNavi
- Share your ride data and let everyone benefit from navigation with real-time traffic information
- Save, replay and share your rides with others
- Turn your rides, map contributions and validations into money savings
- Opt-in to share and contribute anonymously through strongly secure and anonymizing technologies



Powered by
SBOING navigation beyond

www.sboing.net



Join NOW our **UltiNavi** Community and we will reward you with **9 more SCUs** for every SCU you collect, until **31/12/2019!**

(SCU: Sboing Credit Unit)

- Offline, 3D, voice Navigation
- Global Maps, frequent updates
- Fast, multi-waypoint Routing
- Route simulation
- In-vehicle Dashboard
- Social, collaborative Navigation
- Real-time traffic (soon)

UltiNavi

Co-financed by Greece and the European Union

Funded by the Horizon 2020 Framework Programme of the European Union

(*) SBOING maps are based on the collaborative OpenStreetMap maps, www.openstreetmap.org (© OpenStreetMap contributors)





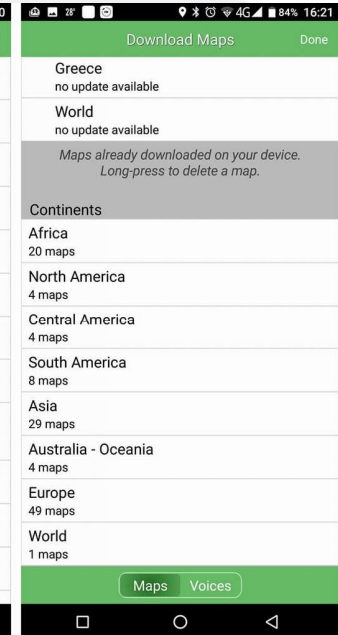
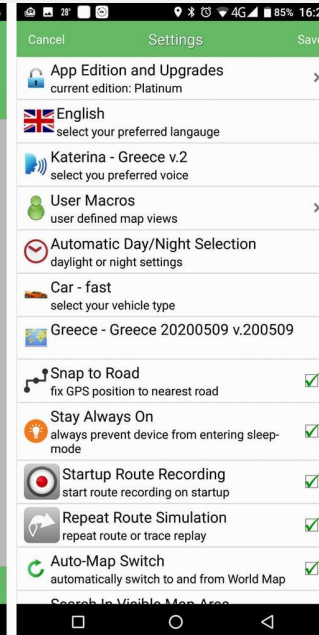
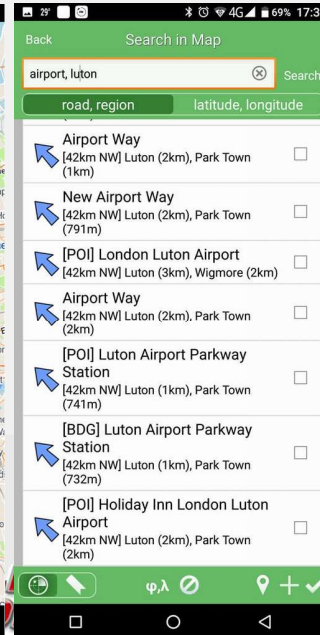
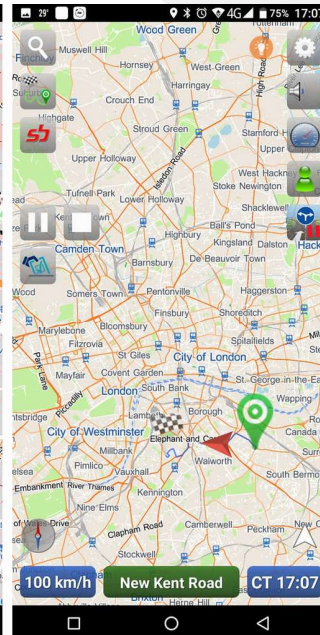
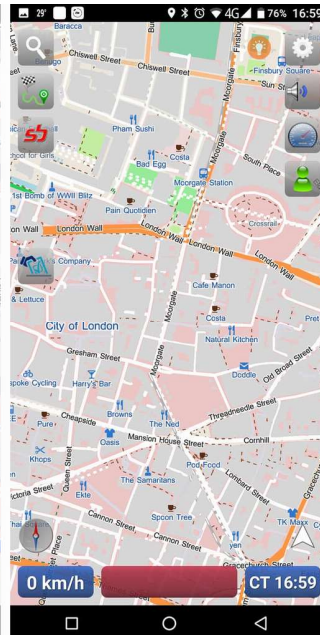
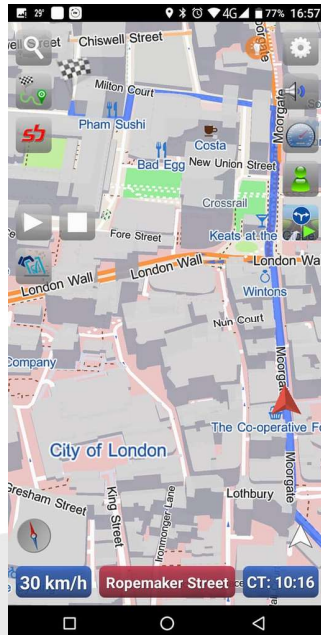
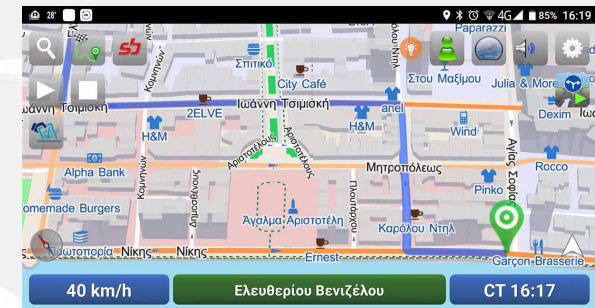
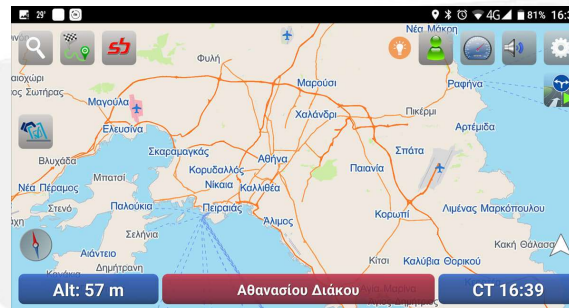
UltiNavi: SBOING's Ultimate Navigator



Download the UltiNavi app from:

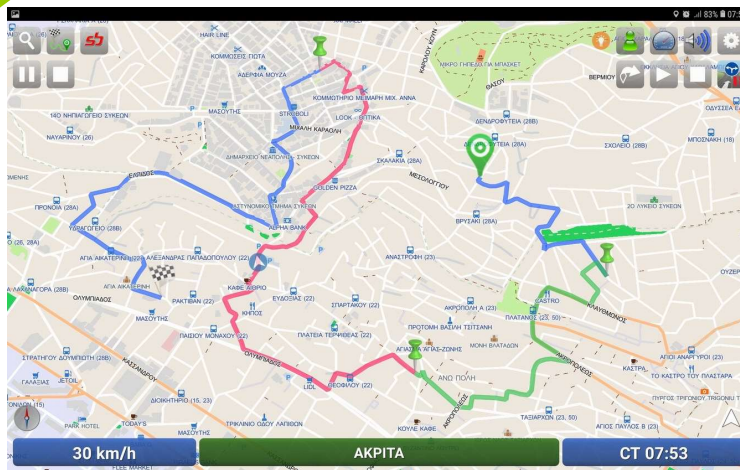
<https://sboing.net/ultinavi>

or ...

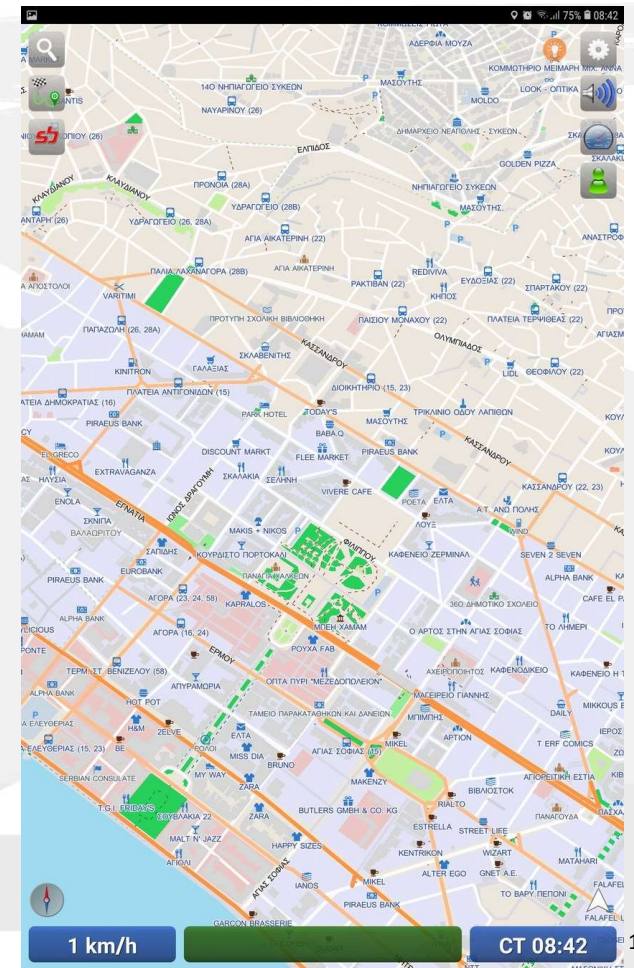




Advanced Routing & Free, Crowdsourced, OSM-based Maps



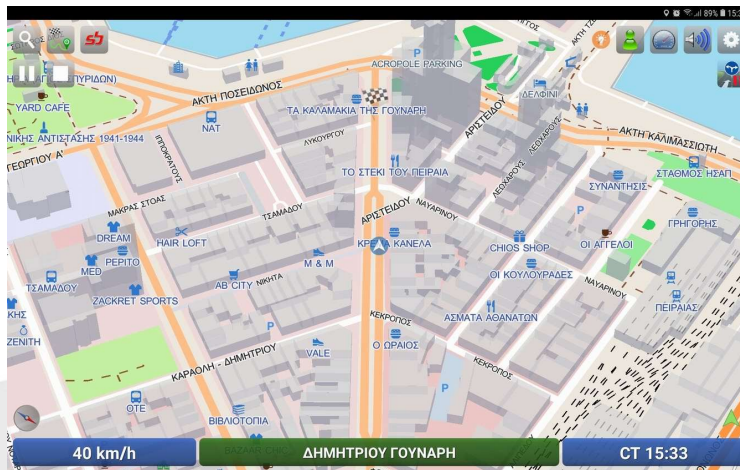
- ✓ Fast, multi-waypoint routing with route optimization
- ✓ Route simulation
- ✓ Replaying of recorded routes



- ✓ 3D buildings & views
- ✓ All POIs from OSM + more
- ✓ Smart, offline searching
- ✓ Frequent, free map updates



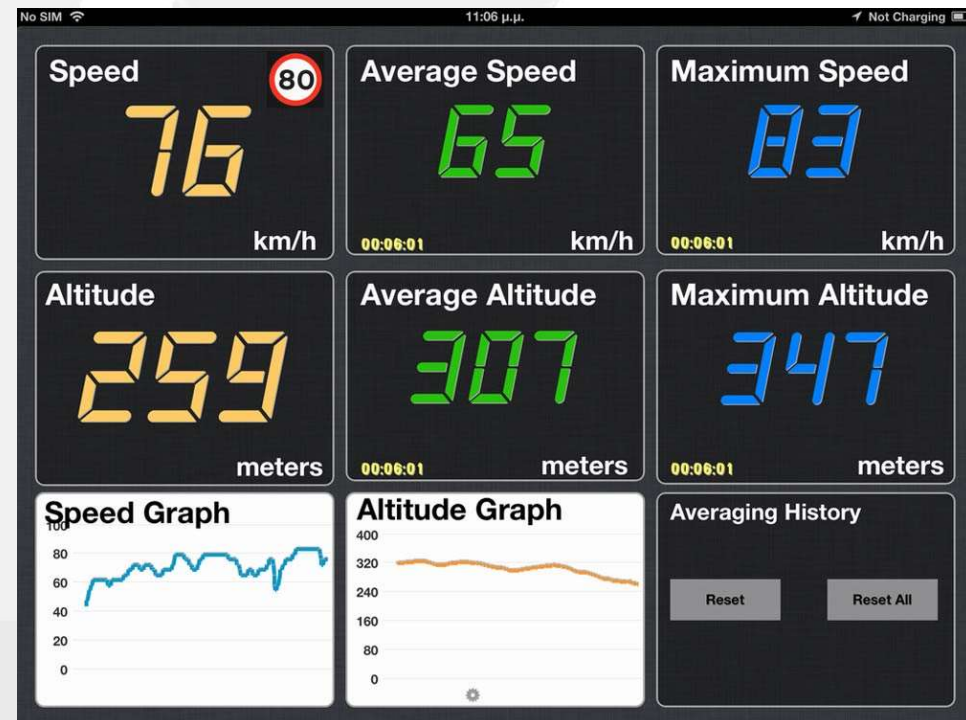
1





Travel Course Statistics

Speed and Altitude Statistics

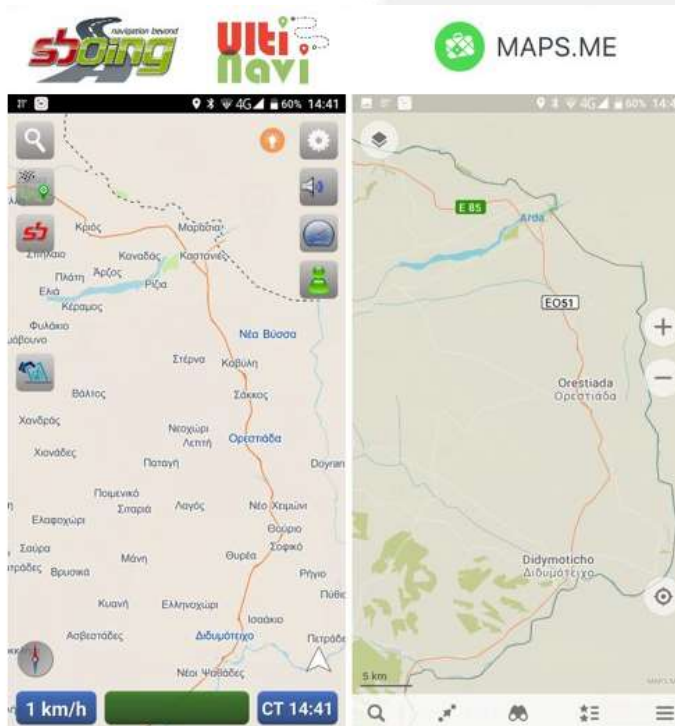


1



Offline Maps & Routing Comparison: Maps.Me vs. SBOING

More compact maps ...

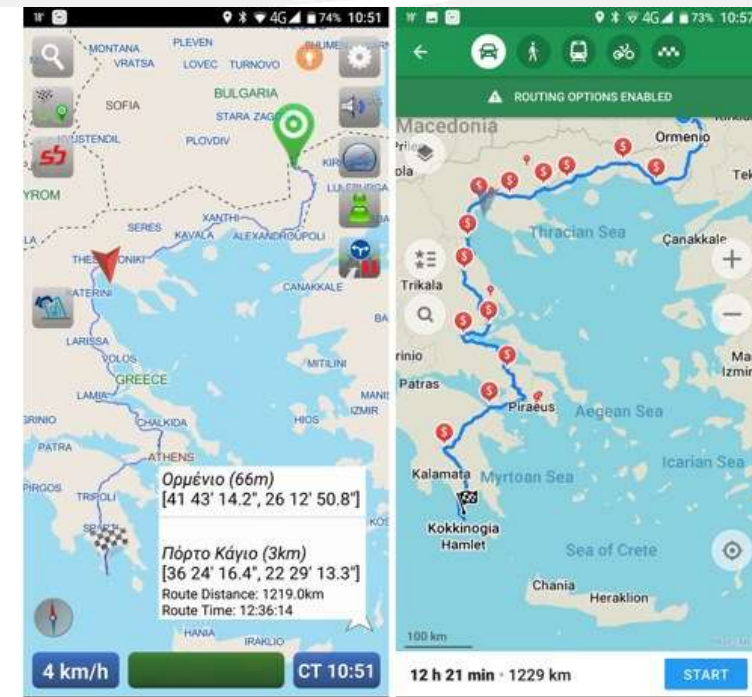


Greece Map Size:
UltiNavi: 128 MB
Maps.me: 212 MB

40% smaller!

ROUTING Time:
UltiNavi: 12 sec
Maps.me: 132 sec

11x faster!



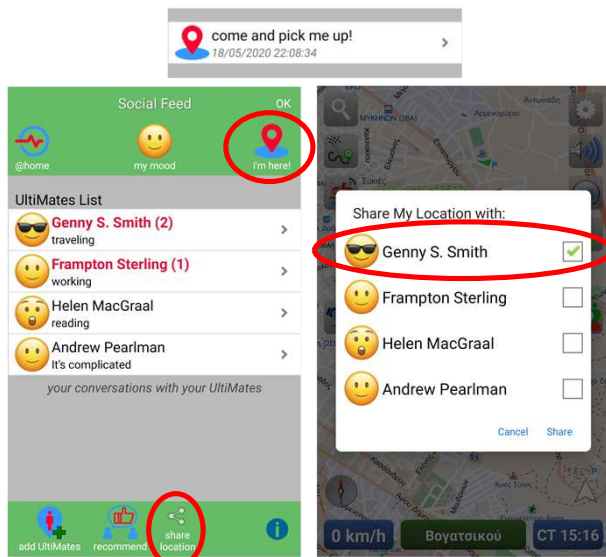
... faster routing!



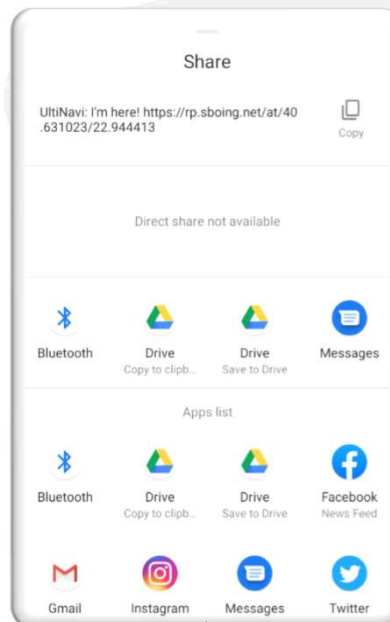
Social features of UltiNavi

Sender (your friend)

A friend sends you an **"I'm here"** message:

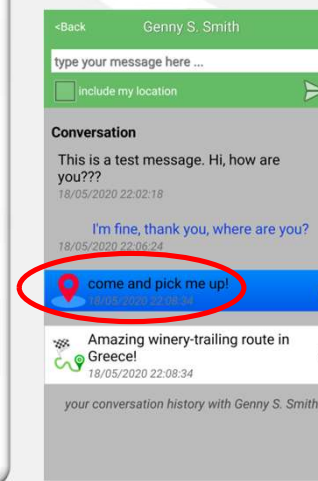


(..sharing options..)

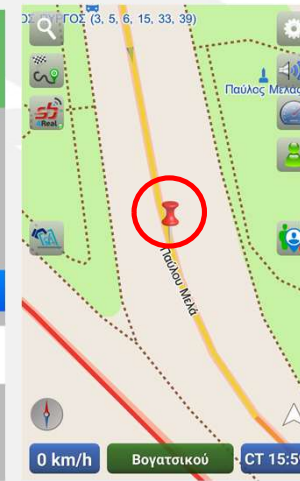


Receiver (the sender's UltiMate; you)

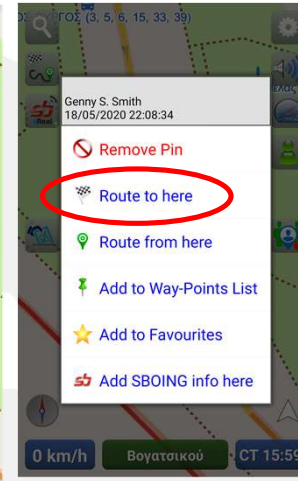
...you pick it up and open it..



...a pin is set on the map..



...a route to your UltiMate is set!



- ✓ Location sharing
- ✓ Route sharing
- ✓ Mood & status reporting
- ✓ Short messaging

Multi-channel Social Sharing:

- ✓ Email, SMS
- ✓ Facebook, Messenger, Instagram, Twitter
- ✓ Google Drive, Dropbox, OneDrive, etc.



SBOING User Account & Management of UltiMates

HOME > MEMBERS AREA

Dashboard

kalaitzis
Βασίλης Καλαϊτζής
kalaitzis@sboing.net

Registered 02/02/2018

#11
Rank 11 of 347

Last #11
Difference 0

16532 SCUs

Earned 17532 scus
Used 1000 scus

1
Registered Devices

1
Uploaded Traces

This week 0 NEW

3
UltiMates

Requests 0 NEW

HOME > MEMBERS AREA


UltiMates

Display only pending requests

[+ Add friend](#)

| | Username | Full name | Mood | Status | Friends since | |
|---|------------------|-------------------|------|---|---------------|---|
| 1 | gsmith | Genny S. Smith | 😊 | traveling | 29/02/2020 | |
| 2 | fsterling | Frampton Sterling | 😐 | working | 25/03/2020 | |
| 3 | hmacgraal | Helen MacGraal | 😞 | studying | 17/04/2020 | |
| 4 | apearlman | Andrew Pearlman | 😊 | pending friend request Accept Reject | - | - |

Go to page: 1 Row count: 10 Showing 1-3 of 3





Crowdsourcing Incentivization through SCUs and Affiliates



SBOING Special Offers

| | | |
|---|---|---|
| <p>PIZZA FAN 6,5€ για 1 πίτσα 8 τυχ.</p> <p>10,20€ 6,50€ 250 SCUs</p> | <p>KFC Burger & Wraps Menu delivery</p> <p>16,90€ 10€ 5000 SCUs</p> | <p>Shell Πλύσιμο μέσα - έξω</p> <p>10€ 7€ 3500 SCUs</p> |
|---|---|---|

HOME > SPECIAL OFFERS
SBOING - navigation beyond Duplicate your SCUs!

Duplicate your SCUs! 10.000 SCUs
Exchange 2-for-1 SCUs (first 100 only!)
SCUs Cash out

SBOING - navigation beyond

Buy this offer

Where is available

| Description | Offer Terms | Our Affiliate |
|--|-------------|-----------------------------------|
| <p>SBOING - navigation beyond Company name: SBOING.net Website: www.sboing.net</p> <p>SBOING is an innovative high-tech SME in the field of Information Technology and Communications (ICT), specializing on the development of GPS/GNSS navigation software applications and systems. SBOING implements an internationally patented, collaborative, crowdsourcing technology for the collection, processing and distribution of road information and traffic data to provide improved routing for satellite navigation devices (GPS navigators). SBOING's strategic objective is to rapidly evolve into a noticeable player of international caliber in the market of satellite navigation software applications and services, with high visibility and a large, active user-community.</p> | | <p>Map</p> <p>Store locations</p> |

1





SBOING's "Affiliates Program" to Reward Crowdsourcing



- HOME
- ULTINAVI
- SPECIAL OFFERS
- MAPS
- PROJECTS
- COMPANY
- AFFILIATES**
- CONTACT
-

HOME

SBOING Affiliates Program

Affiliate Sign In

Your business through SBOING special offers



Attract new customers

- ✓ Gain access to a large new customer base
- ✓ Increase your sales and turnover
- ✓ Get feedback from your customers to improve your services



Get advertised effectively and for free

- ✓ Get advertised with SBOING's credibility at no cost to you
- ✓ Your products and services are targeted to those around you



Service & Support

- ✓ Redeem your customer coupons instantly and easily using SBOING's special app
- ✓ The SBOING Partner Support Team is at your disposal for any information

1



- An add-on to UltiNavi, for responding to survey questionnaires
- Transport stakeholders may conduct custom “dynamic surveys”
- User profiling, dynamic monitorability, multiple organizations
- Cloud service, data analytics, adaptive cost model
- The “crowd” may also get profit by responding to questionnaires



2



Navigation with **Real-Time Traffic** data through **Crowdsourcing**

3




Sboing4Real

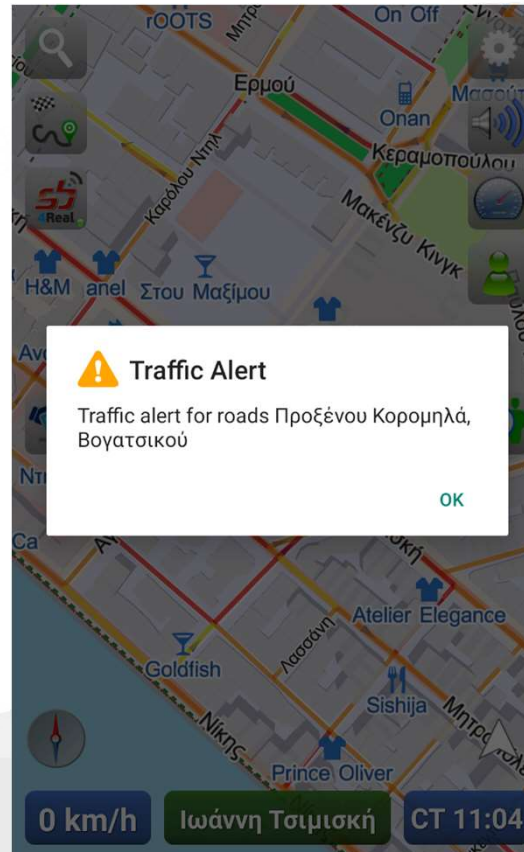
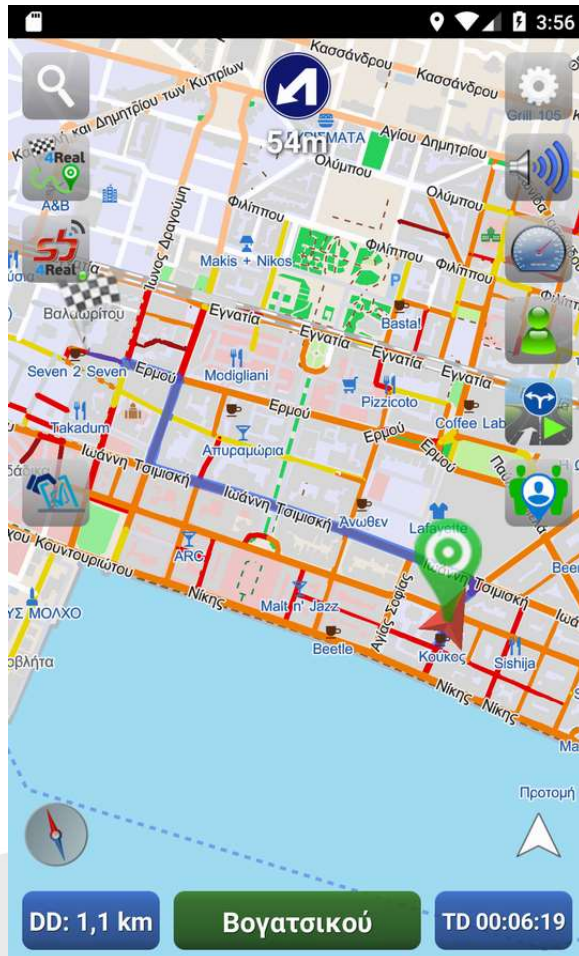




Cloud-based Architecture for Real-Time Traffic Services

3





- ❖ Color traffic maps
- ❖ Traffic & incident alerts
- ❖ Routing with real-time or historical traffic data

Back Way-Points List

Without traffic data [share route](#)

2 Way-Points

Μανώλη Ανδρόνικου
(2km)
[40 37' 29,2", 22 57' 10,4"]

Ερμού
Θεσσαλονίκη (518m)
[40 38' 12,3", 22 56' 21,3"] ✓

Route Distance: 2,0km
Route Time: 00:05:15
Average Speed: 22,6km/h

Total Distance: 2,0km
Total Time: 00:05:15
Total Average Speed: 22,6km/h

0 km/h Ιωάννη Τσιμισκή CT 11:04

Back Way-Points List

With afternoon traffic [share route](#)

2 Way-Points

Μανώλη Ανδρόνικου
(2km)
[40 37' 28,6", 22 57' 10,4"]

Ερμού
Θεσσαλονίκη (520m)
[40 38' 12,3", 22 56' 21,3"] ✓

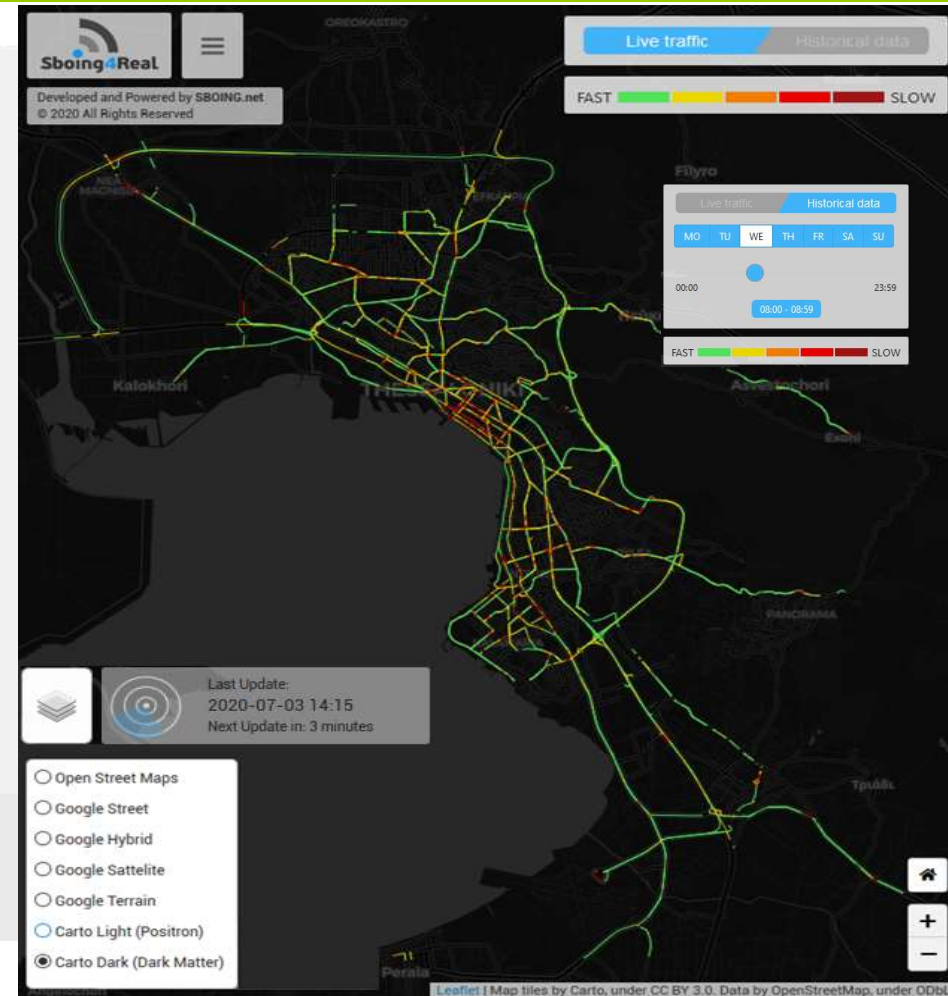
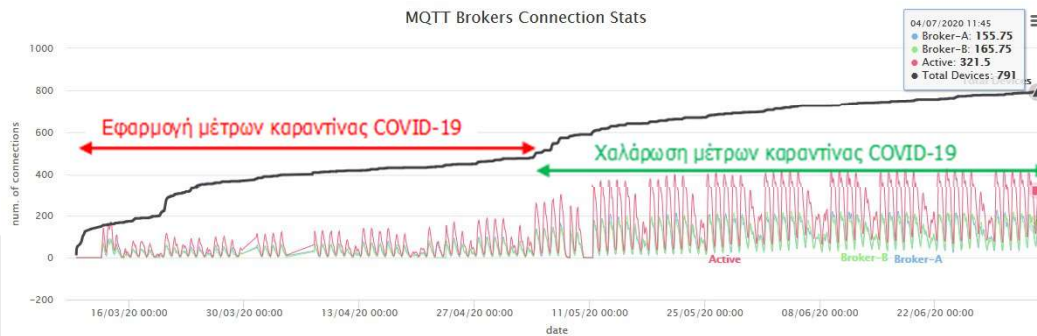
Route Distance: 2,0km
Route Time: 00:08:15
Average Speed: 14,5km/h

Total Distance: 2,0km
Total Time: 00:08:15
Total Average Speed: 14,5km/h



- Real-time traffic monitoring of Thessaloniki
- Crowdsourcing from 400 taxis
- Developed globally scalable cloud infrastructure
- Pilot demonstration (March-June 2020)
- Sboing4Real (ESPA) project: with AUTH, IHU, EKETA/IMET

View Window: [day] [week] [month] [all] Active Devices Time Window: [5min] [1d] [4d] [7d]

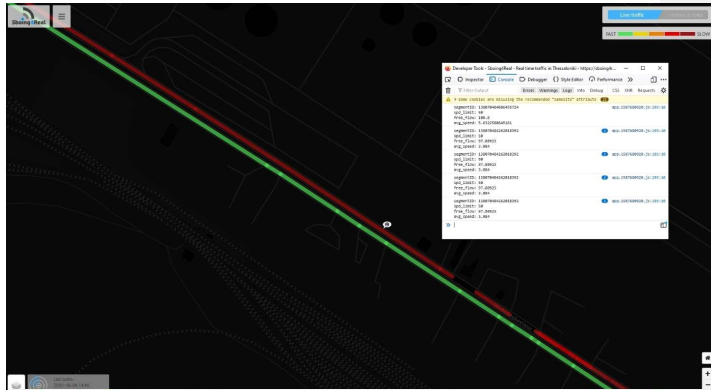




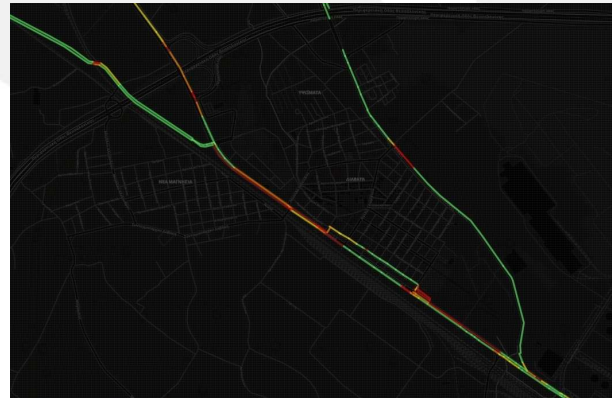
Real-time Traffic of Thessaloniki: Traffic Incidents (sboing vs. Google)

Traffic jam at K. Karamanli Ave. (Diavata, Thessaloniki), due to a closed lane, because of works.

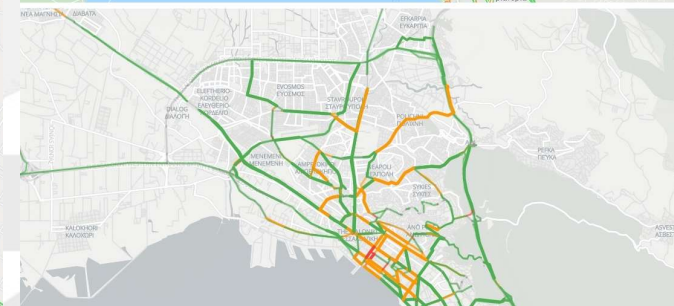
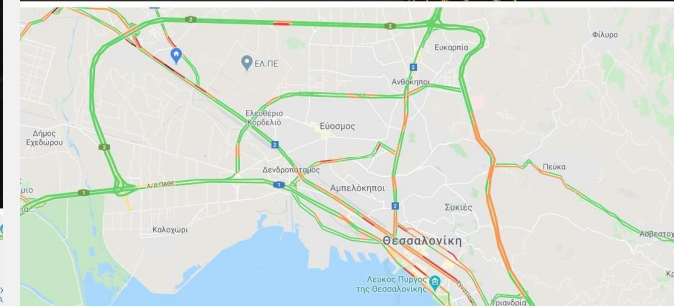
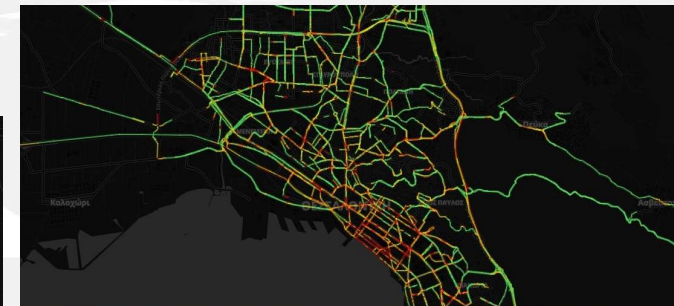
4/6/2020, 14:45



27/5/2020, 10:30

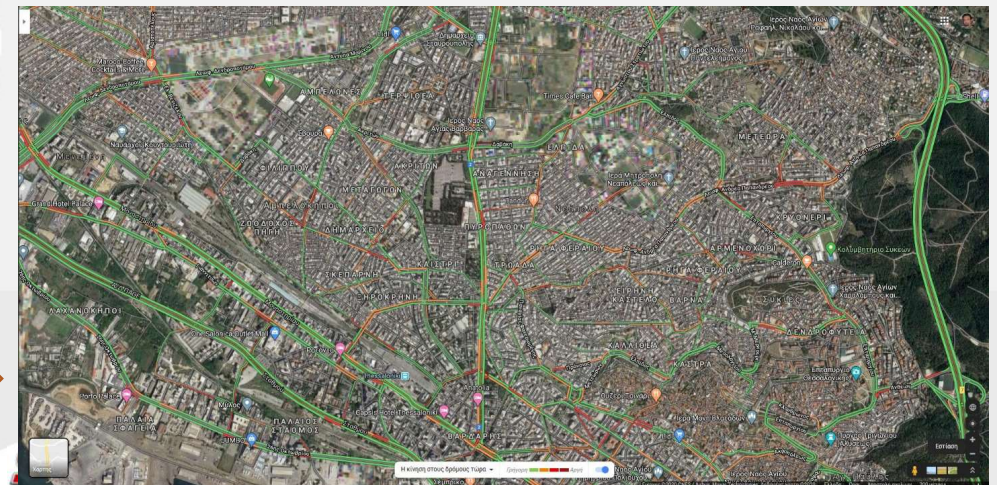
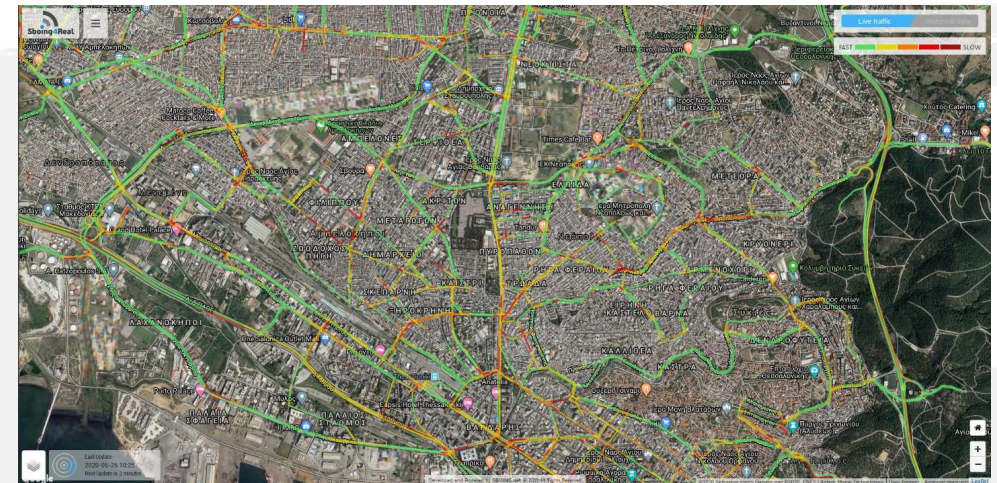
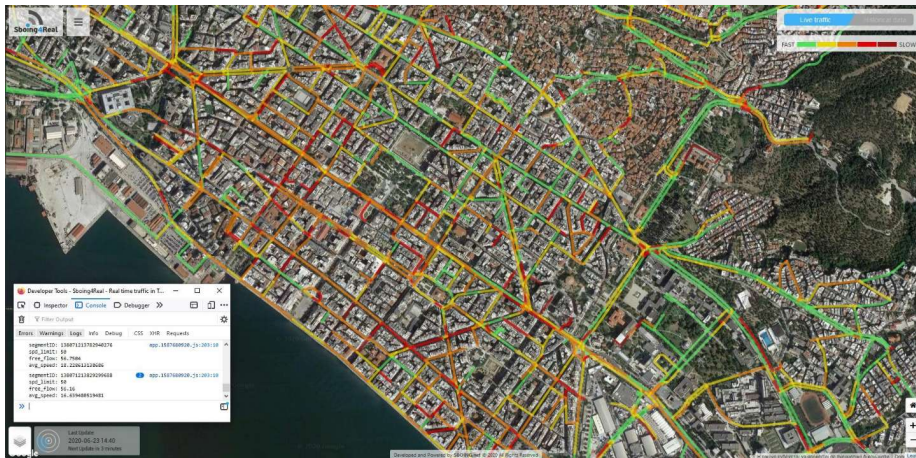


Traffic jam at the External Ring Road of Thessaloniki
27/5/2020, 14:30



3

Detail of the city's road network granularity.
(Thessaloniki center, 23/6/2020)



Comparison of traffic conditions and road network granularity of Thessaloniki between Google (down) and SBOING (up), [26/6/2020]



3



SBOING Routing superior to Google, Microsoft Bing & Apple!

3

Εξερενηστε τον προορισμό Ermou 9-1

5 min.

8-9 min.

7 min.

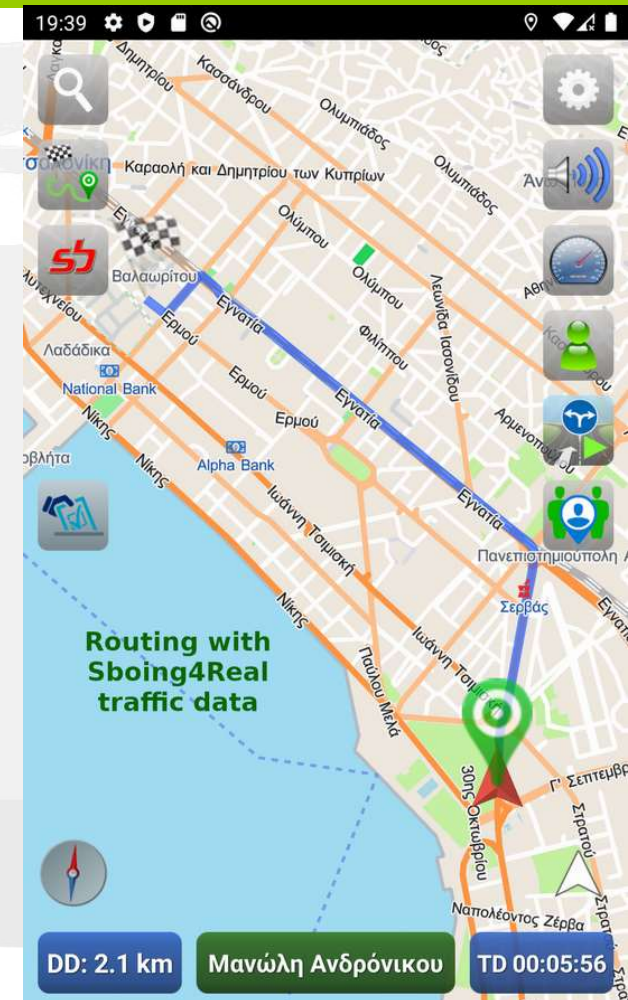


Monday, 13/7/2020





More realistic Routing using Real-Time Traffic Information



3

Real-Time Traffic Services provided to 3rd parties



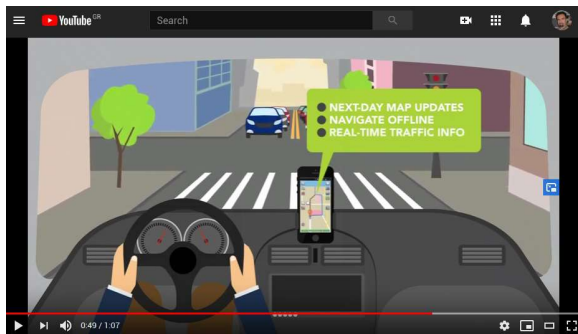
Real time traffic data RSS feeds for popular routes in Thessaloniki

FAST SLOW

| | | |
|---|--|--|
| [Thessaloniki International Exhibition → Courthouse] via Tsimiski | Last updated: 2020-07-12 02:55 Distance: 2.19 km Current Travel Time: 5 min Current Traffic Conditions: Moderate | |
| [Papareorgiou Hospital → Triandria Exit] via Periferiaki | Last updated: 2020-07-12 02:55 Distance: 5.14 km Current Travel Time: 3.4 min Current Traffic Conditions: Fast | |
| [Port of Thessaloniki → White Tower of Thessaloniki] via Nikis | Last updated: 2020-07-12 02:55 Distance: 1.54 km Current Travel Time: 2.7 min Current Traffic Conditions: Normal | |
| [25 Martiou → Kamara] via Egnatia | Last updated: 2020-07-12 02:55 Distance: 3.22 km Current Travel Time: 5.3 min Current Traffic Conditions: Normal | |

3

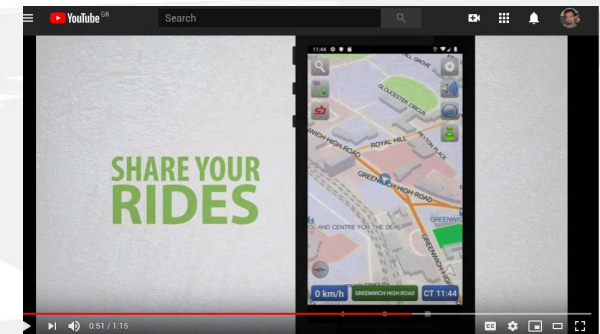
UltiNavi Videos



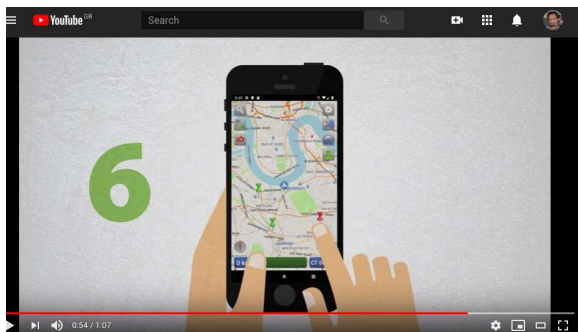
Video #1: About SBOING
<https://youtu.be/-cpe0qEi0PQ>



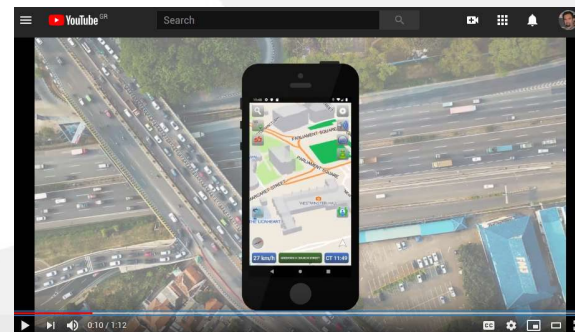
Video #2: The SBOING NaviPedia
<https://youtu.be/VxUgbqmgtds>



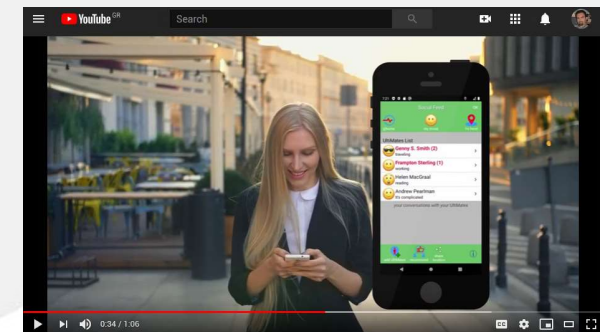
Video #3: The features of UltiNavi
<https://youtu.be/rg5m--NukwQ>



Video #4: UltiNavi: How to use it
<https://youtu.be/eNwGqbklVDg>



Video #5: UltiNavi for real-time traffic
<https://youtu.be/4XE90ZogG7U>



Video #6: Social features of UltiNavi
<https://youtu.be/CnafRmhTUuA>

3

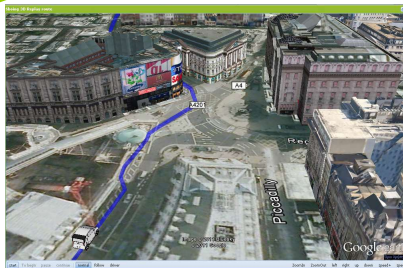
4, 5





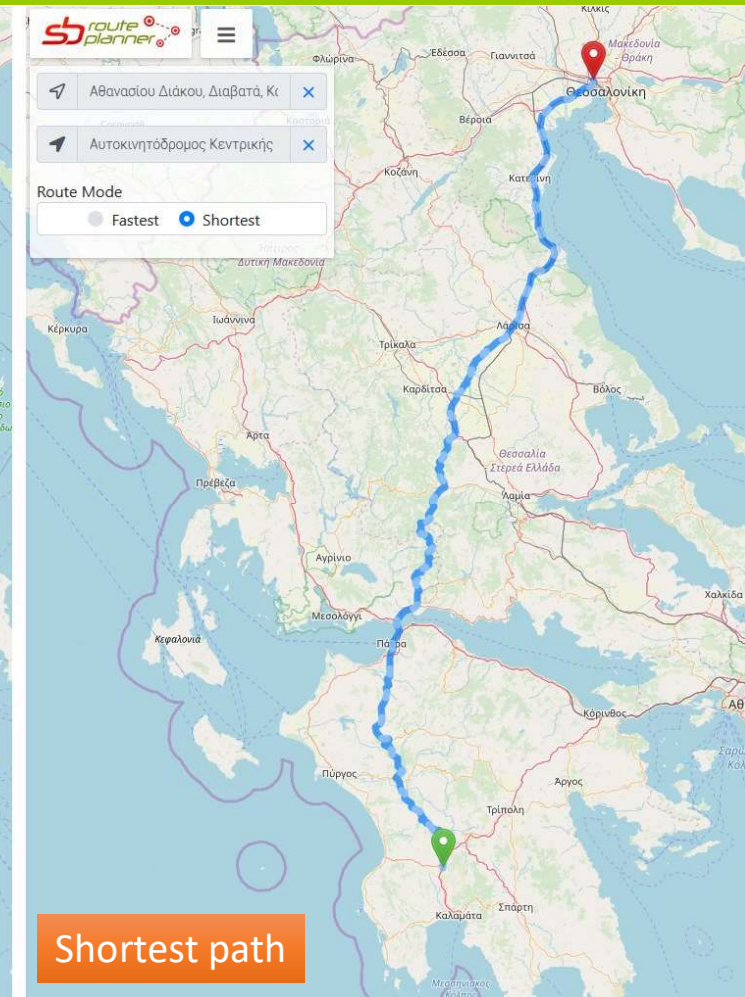
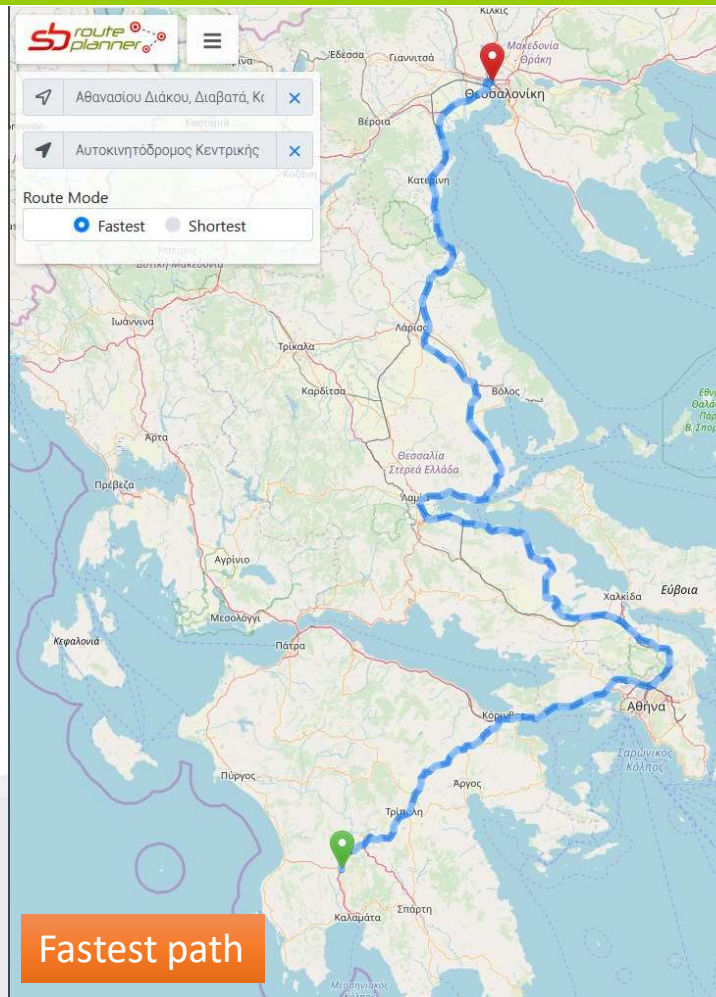
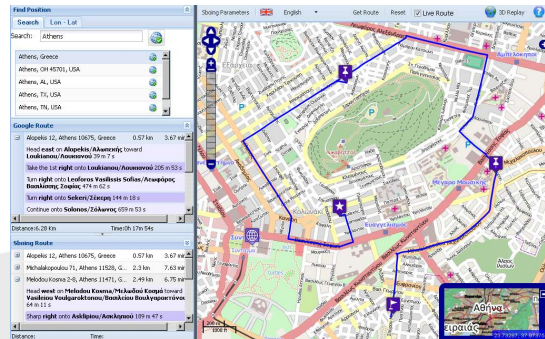
SBOING's Route-Planning (web) platform

<https://rp.sboing.net>



- Multi-waypoint route planning
- With real-time traffic data, where available
- Fastest/Shortest route options
- Turn-by-turn guidance
- Realistic time & distance estimations
- Based on OpenStreetMap
- Multiple map substrates

4

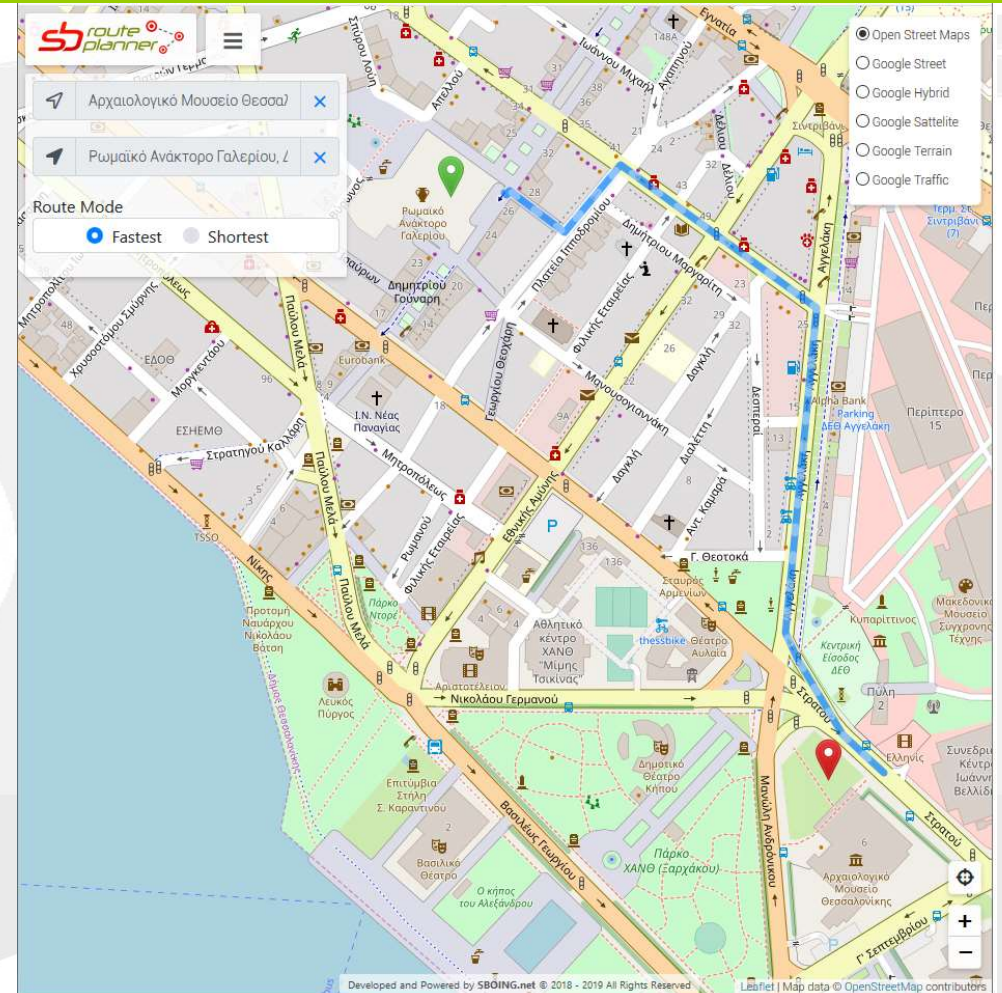




Touristic Touring

with best routing among multiple points of thematic interest

- ❖ Using **SBOING Route Planner** (web app/service), <https://rp.sboing.net>
- ❖ Choice of touristic / thematic POIs with **map overlays** over SBOING's Route Planner.
- ❖ Multi-waypoint **route optimization**, based on time or distance or POI importance.
- ❖ Ability to transfer the suggested route to UltiNavi for **offline** navigation in real-time.





MyPolisLive.net: Urban Traffic Monitoring Web Platform

6

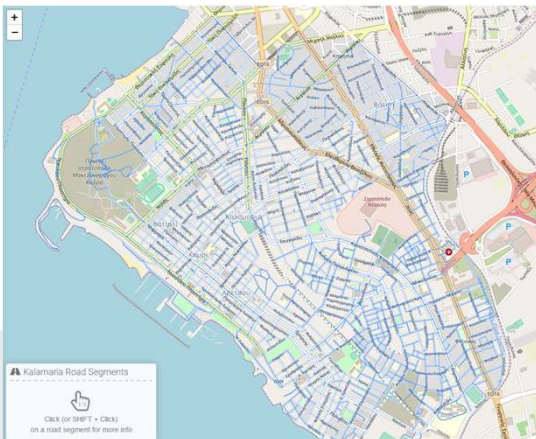
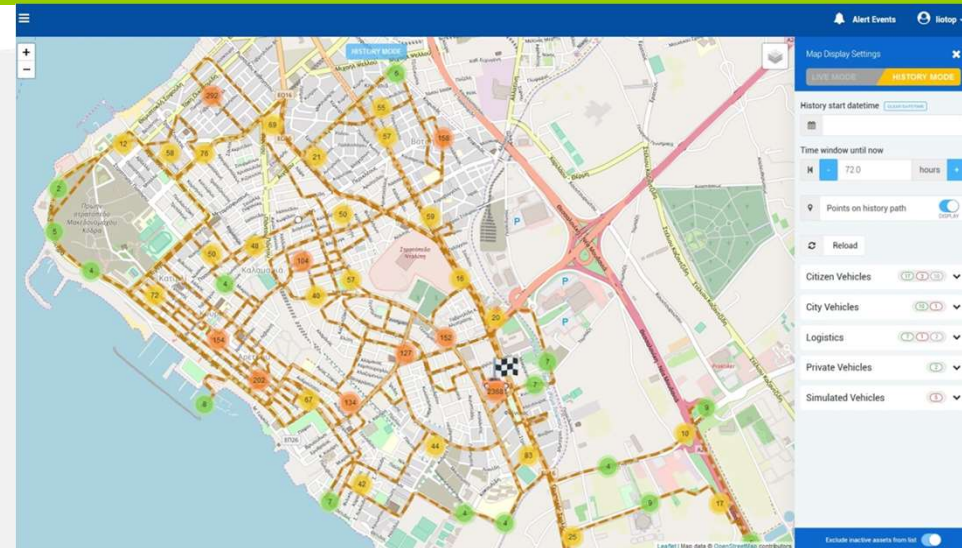
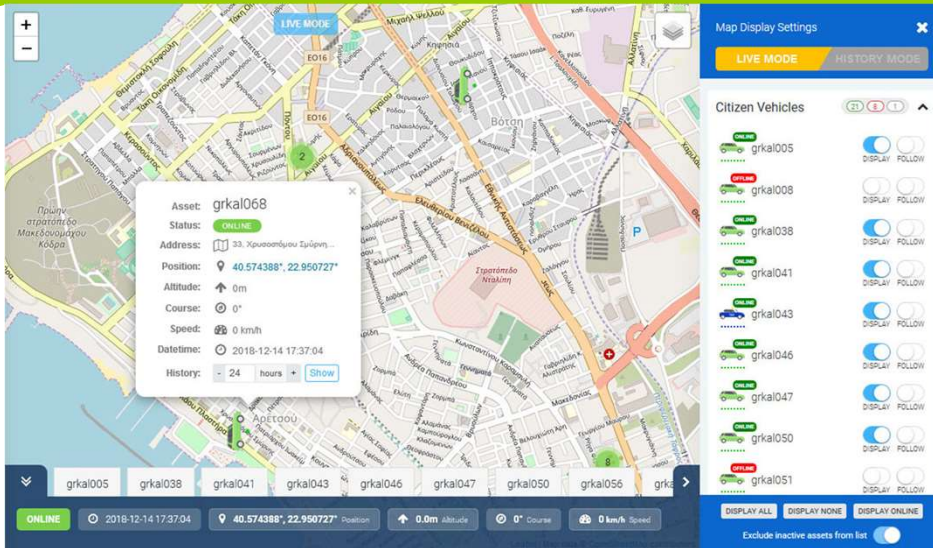




6



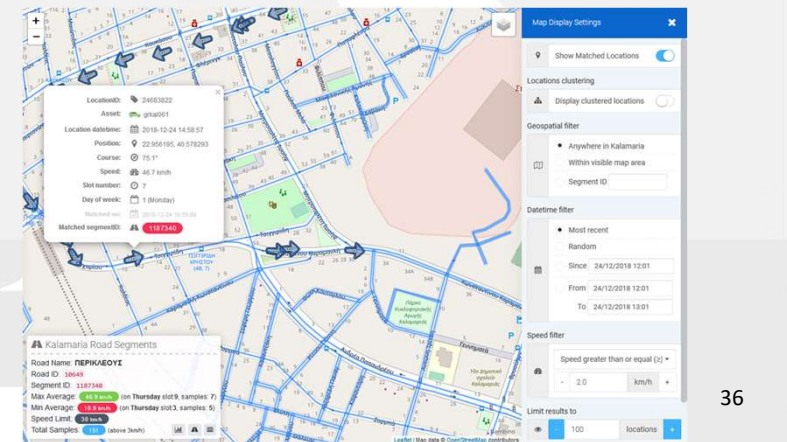
MyPolisLive.net: Real-time & Historical Visualization of Urban Mobility



Automatic generation of the entire City's Road Network

Management of multiple Cities and their resources

Free for all Cities



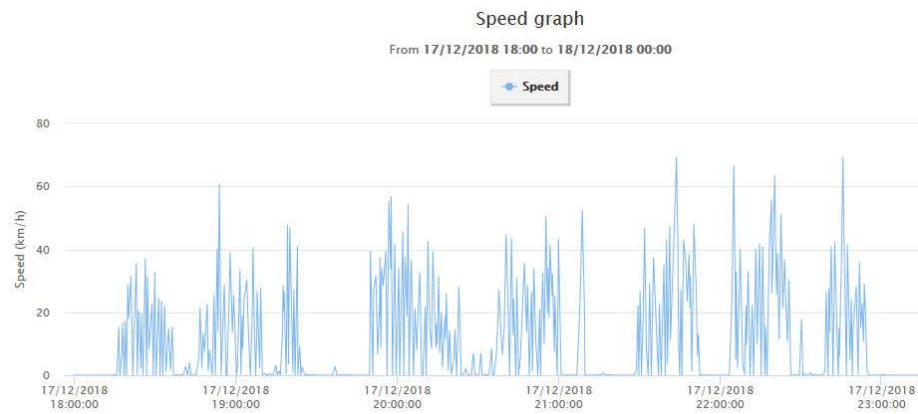
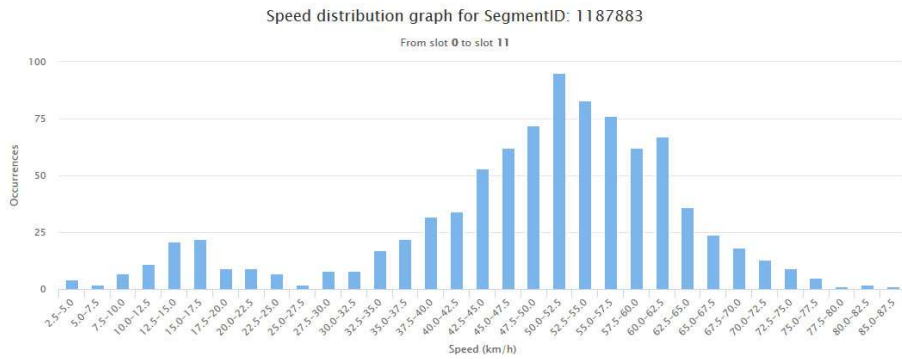
6



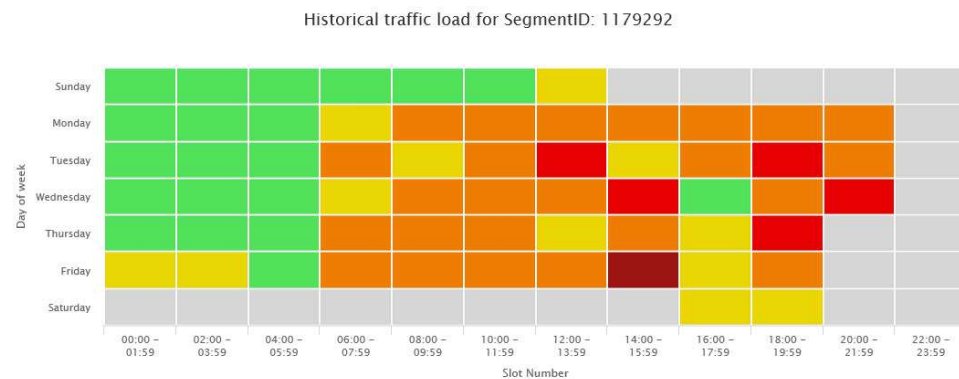
MyPolisLive.net: Various Statistics per Road-Segment

Speed distribution for SegmentID: **1187883** (ΕΘΝΙΚΗΣ ΑΝΤΙΣΤΑΣΕΩΣ) Reload

Day of week: (Any)
 From slot number: 0 (from: 00:00)
 To slot number: 11 (until: 23:59)
 Minimum speed filter: 2.5 km/h



Historical traffic load for SegmentID: **1179292** (ΓΙΑΣΣΑΛΙΔΗ)

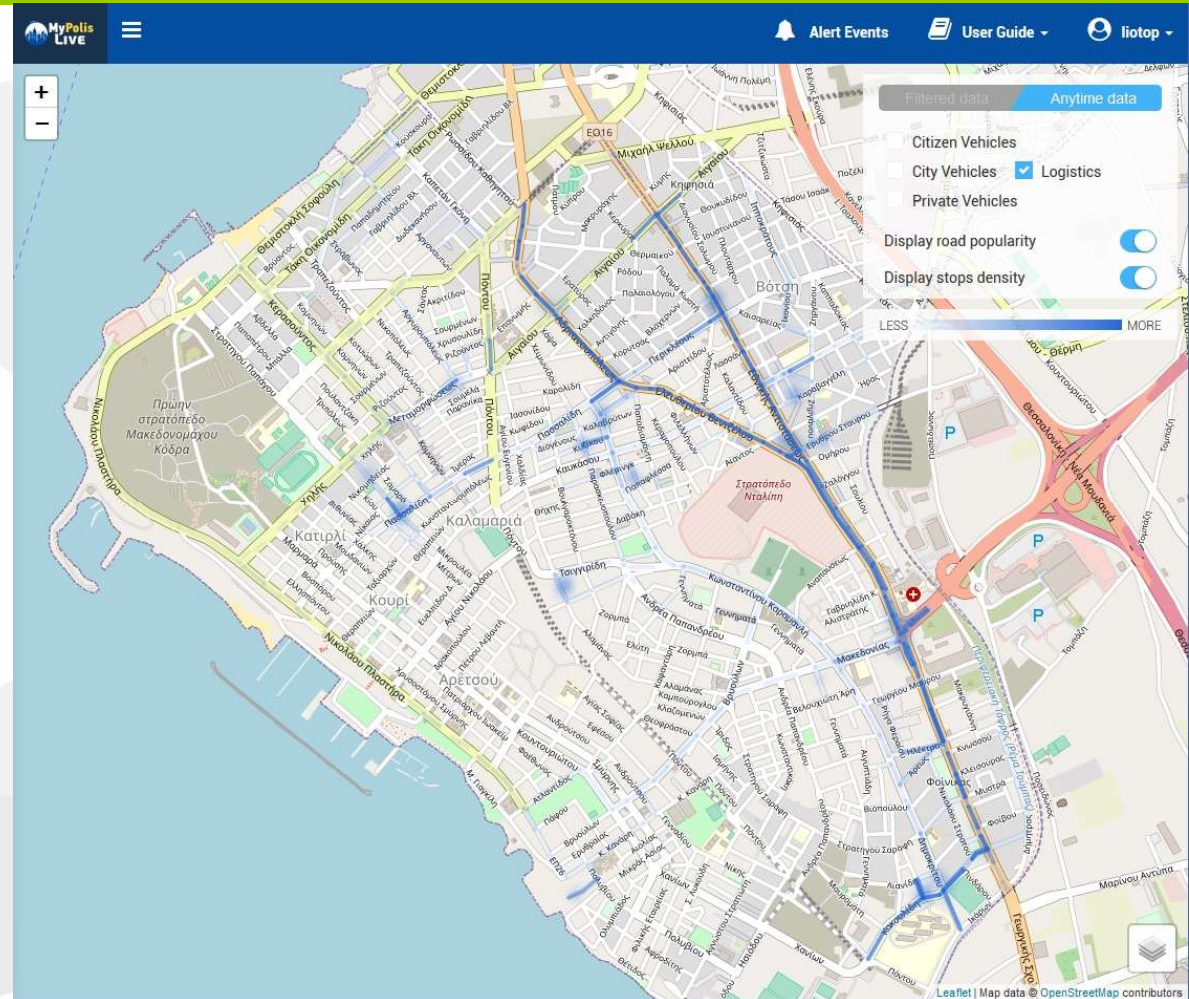


6

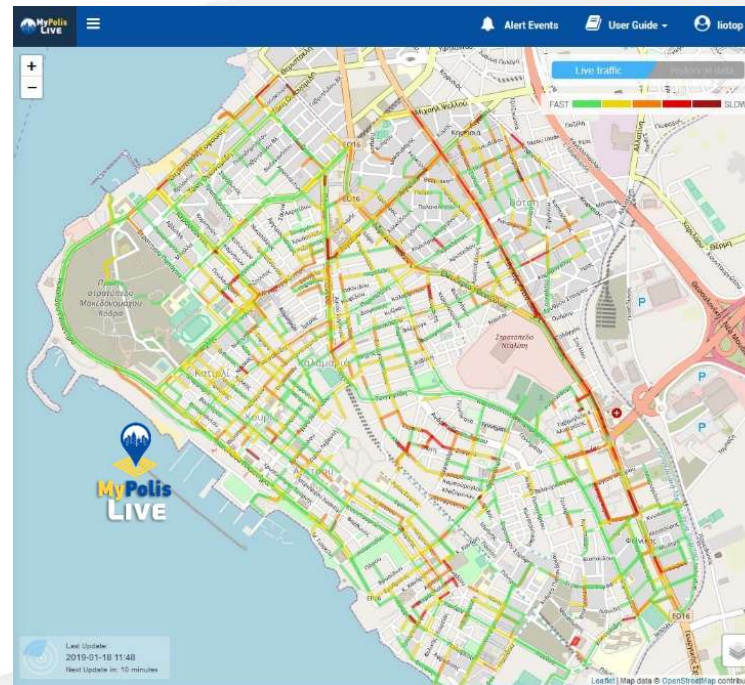
Traffic segregation benefits the study of the impact and contributions to the total urban traffic load of each individual group (citizens, logistics, taxis, busses, etc.), separately, in space and in time.

Not offered by Cellular providers and Google.

Live traffic Historical data
 MO TU WE TH FR SA SU
 00:00 — 23:59
 20:00 - 21:59
 Data source options
 Citizen Vehicles City Vehicles
 Logistics Private Vehicles
 Apply statistical filtering



MyPolisLive.net (SBOING)

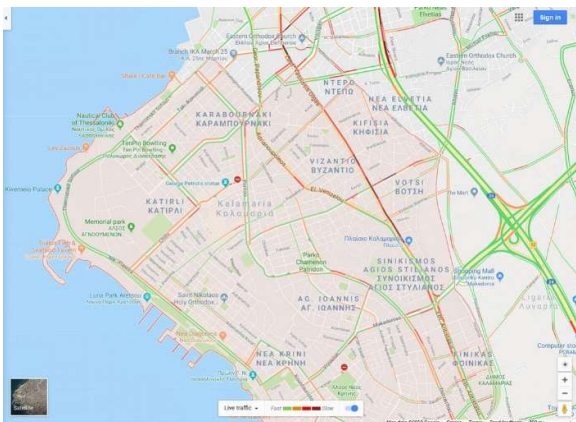


https://mypolislive.net/admin/fleet/map_traffic/kalamaria

18/1/2019 11:45 am



Google Traffic



<https://www.google.gr/maps/@40.5794659,22.9533678,15z/data=!5m1!1e1>

TrafficThess (CERTH/HIT)



<https://www.traffictness.imet.gr>



6



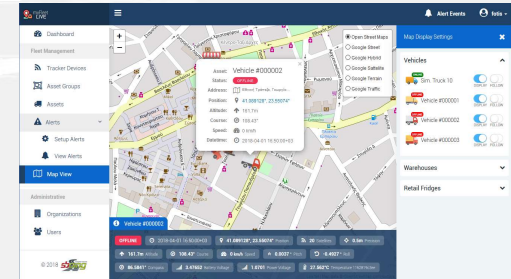
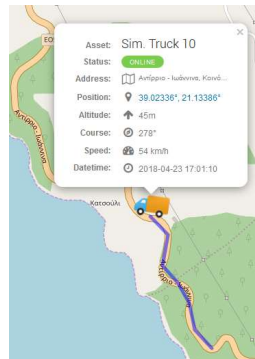
ULTRAVETRA



**myFLEET
LIVE**

UltiVeTra on a truck:

- live sensor streams
- cloud serviced client



Cloud IaaS / IoT SERVICES

MyFleetLive.net platform:

- Sensor LIVE monitoring
- Fleet LIVE tracking
- Product tracking
- Shipment tracking



- ☐ Cloud-based Data Aggregator (MQTT)
- ☐ IoT cloud-support configuration



Smartphone apps:

- QR scanning
- Product tracing
- Alerts



MyFleetLive.net: The Fleet Monitoring web Platform

6

Asset: Sim. Truck 10
Status: **ONLINE**
Address: Μυριάς, Αιθιοπία, Δήμο...
Position: 40.103956°, 22.5121632°
Altitude: 273m
Course: 100°
Speed: 36 km/h
Datetime: 2018-04-02 11:53:40+03

ONLINE 2018-04-02 11:53:40+03 40.103956°, 22.5121632° Position
14 Satellites 2.5m Precision 273m Altitude 100° Course
36 km/h Speed 1.4° Pitch 5.87° Roll 100° Compass
23°C on-board temp 21.562°C Temperature 0001a 45.062% Humidity 0001a
45.437% analog 3.53916V Battery Voltage 5.30352V Power Voltage

myFLEET LIVE

Alert Events fotis

Dashboard
Fleet Management
Tracker Devices
Asset Groups
Assets
Alerts
Setup Alerts
View Alerts
Map View
Administrative
Organizations
Users

Asset: Vehicle #000002
Status: **OFFLINE**
Address: Εθνική Τράπεζα, Γεωργία...
Position: 41.089128°, 23.55074°
Altitude: 161.7m
Course: 108.43°
Speed: 0 km/h
Datetime: 2018-04-01 16:50:00+03

Open Street Maps
Google Street
Google Hybrid
Google Satellite
Google Terrain
Google Traffic

Map Display Settings

Vehicles
Sim. Truck 10 (ONLINE) DISPLAY FOLLOW
Vehicle #000001 (ONLINE) DISPLAY FOLLOW
Vehicle #000002 (OFFLINE) DISPLAY FOLLOW
Vehicle #000003 (OFFLINE) DISPLAY FOLLOW

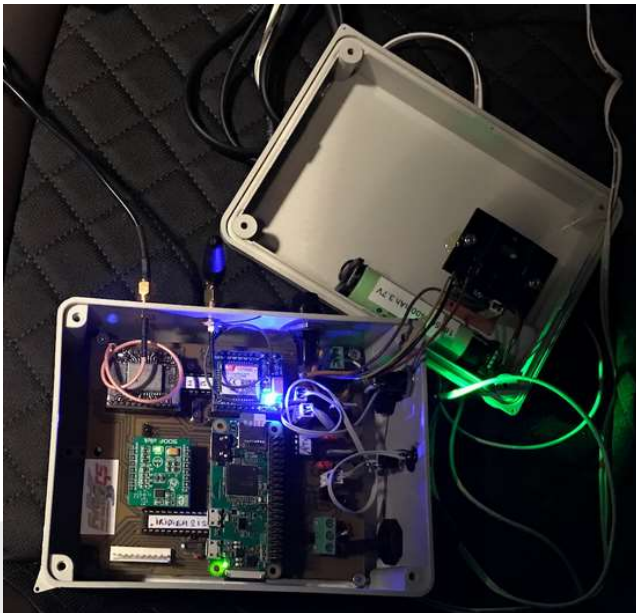
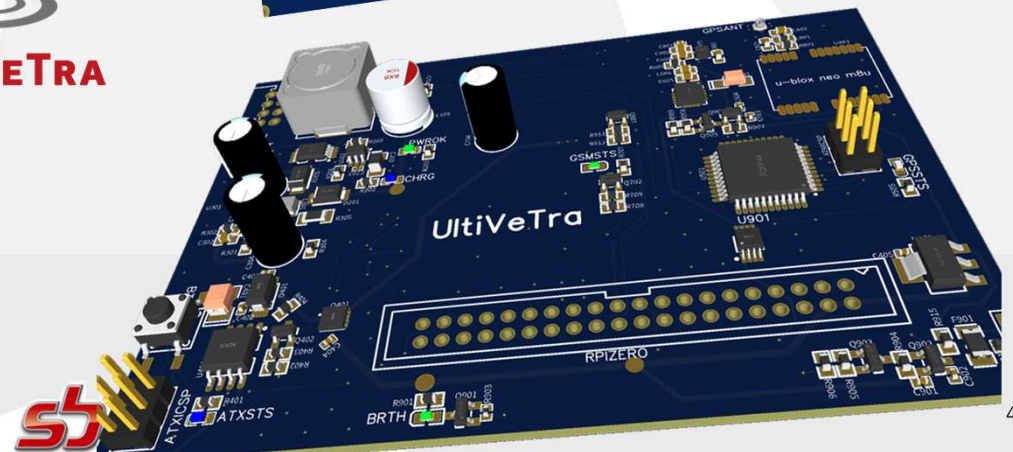
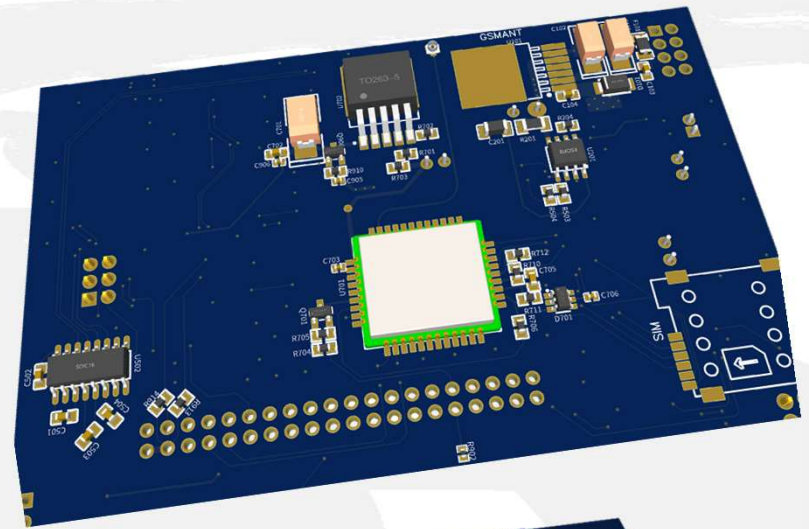
Warehouses
Retail Fridges

Vehicle #000002
OFFLINE 2018-04-01 16:50:00+03 41.089128°, 23.55074° Position
20 Satellites 0.5m Precision
161.7m Altitude 108.43° Course 0 km/h Speed 0.0037° Pitch -0.4927° Roll
86.5841° Compass 3.47652 Battery Voltage 1.0701 Power Voltage 27.562°C Temperature 1162819c3ee

© 2018 SBOING

UltiVeTra: The Ultimate Vehicle Tracking Device

- Transport conditions monitoring through sensors
- Advanced features compared to the competition
 - processing, storage, security, power management
 - multi-GNSS, INS, cellular & satellite communications
- Designed & built by SBOING
- Vehicle operation monitoring (collab. w/ Inventure Automotive)



7

Installations & Successful Pilots

At MAKIOS Logistics



At CHRYSO Cafe



At KRI-KRI (Dairy)



Installation
sbTracker #0001 installed on a Kri-Kri Fridge truck






Monitoring Transport Conditions of Sensitive Goods & Cargo



Product Quality Index



Ice Cream
Σοκολατόπιτα
by KRİKRI

Παγωτό με γεύση σοκολατόπιτας.
Γεύσεις και αναμειγυμένες γεύσεις.

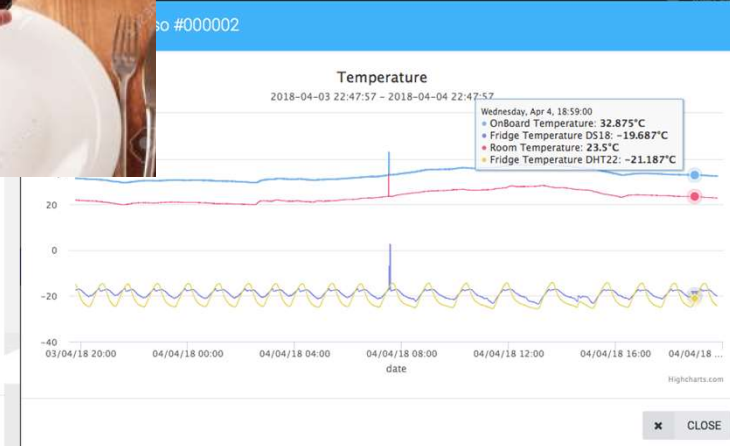
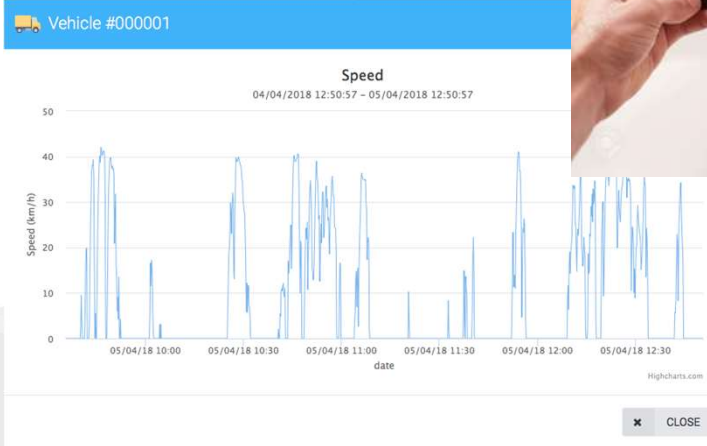
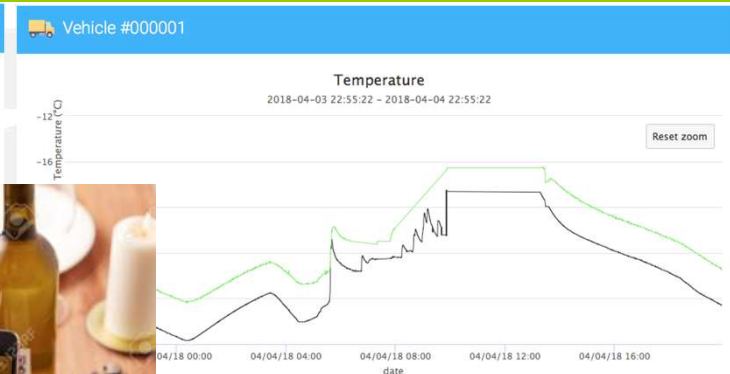
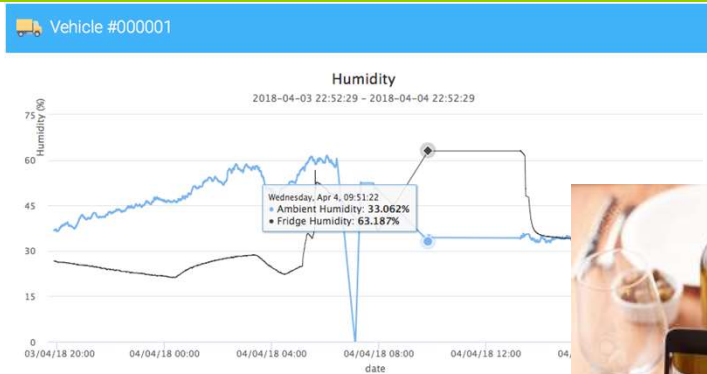
001294368-0002-0002 Unique Item Code

Item Quality Index
★★★★★
65 / 100

Quality Penalties

- Ice-Cream Critical temperature was greater or equal to [-5] at least once **-25**
- Ice-Cream Quality temperature threshold was greater or equal to [-10] for more than 00:00:04 consecutively **-10**

© 2018 SBOING





Advanced Routing & Customer notification of Delivery Services

Delivery Services



For Delivery Services:

- ✓ Best route scheduling
- ✓ Adaptive routing
- ✓ Real-time traffic info
- ✓ “Uber-like” customer notification
- ✓ Fleet monitoring

Examples:

- Super-markets
- Couriers
- Home deliveries

Delivery Tracking
concept demo by SBOING.net

1 Anita Hotel Argo (Hotel Anita and Hotel Argo), 23, Ναυάρχου Νοταρά, Κέντρο Πειραιά, Νέο Φάληρο, Πειραιάς, Περιφερειακή Ενότητα Πειραιώς, Περιφέρεια Αττικής, Αττική, 185 10, Ελλάδα. 📍 37.945551, 23.647728

2 Κωνσταντίνουπόλεως, Ελαιώνας, Αιγάλεω, Δήμος Αιγάλεω, Περιφερειακή Ενότητα Δυτικού Τομέα Αθηνών, Περιφέρεια Αττικής, Αττική, 12242, Ελλάδα. 📍 37.993728, 23.68103

3 Καναρή, Άνω Πετρούπολη, Πετρούπολη, Δήμος Πετρούπολης, Περιφερειακή Ενότητα Δυτικού Τομέα Αθηνών, Περιφέρεια Αττικής, Αττική, 132 31, Ελλάδα. 📍 38.044306, 23.680344

4 64, Ηρώων Πολυτεχνείου, Χαραυγή, Αχαρνές, Δήμος Αχαρνών, Περιφερειακή Ενότητα Ανατολικής Αττικής, Περιφέρεια Αττικής, Αττική, 16371, Ελλάδα. 📍 38.086743, 23.735275

5 Χίου, Γαργητσός, Γέρακας, Δήμος Παλλήνης, Περιφερειακή Ενότητα Ανατολικής Αττικής, Περιφέρεια Αττικής, Αττική, 15344, Ελλάδα. 📍 38.014558, 23.854752

6 115, Ιπποκράτους, Σπάτα, Δήμος Σπάτων - Αρτέμιδος, Περιφερειακή Ενότητα Ανατολικής Αττικής, Περιφέρεια Αττικής, Αττική, 19004, Ελλάδα. 📍 37.967478, 23.913803

Playback Speed x32

Show route planning on map

Success 6:07:27 μ.μ.
Order delivered to node #4

Info 6:07:28 μ.μ.
Delivery truck departed.
Destination: node #5
Distance: 17135 meters
E.T.A. 12.6 minutes

Info 6:07:34 μ.μ.
Sending SMS to node #5
"Arriving in 9.1 minutes"

Delivery Tracking
concept demo by SBOING.net

Delivery route estimation and realtime tracking app

Developed and Powered by SBOING.net © 2019 All Rights Reserved | Motion © 2019 Igor Vlyadyka, Map tiles by Carto, under CC BY 3.0. Data by OpenStreetMap, under ODbL.



UltiVeTra Promo Video



Video #7: UltiVeTra promo video
<https://youtu.be/CvqcywCm3HE>

... last but not least ...



A Competent Team with Global Presence and Prestige!



MWC19



SBOING is a high-tech ICT SME that develops innovative mobile applications and systems for the collection, processing and exploitation of location and mobility data. It implements an internationally patented, collaborative, crowdsourcing methodology for the collection, processing and distribution of traffic, road and sensory data to provide improved navigation and routing capabilities for satellite-assisted navigation, globally. The SBOING satellite-assisted navigator app, sbNavi™, is available for iOS and Android and sbCarNavi® for in-vehicle multimedia consoles, together with OpenStreetMap - based maps of the entire world. SBOING has also developed sbTracker®, an advanced multi-GNSS tracking system with INS capability, satellite communications and multi-sensor support, for advanced fleet monitoring transport applications. The company has received several international distinctions and awards for "Innovation and Entrepreneurship", and its crowdsourcing methodology has patents granted in the USA, Australia, China, 13 EU countries, Israel and pending in India. SBOING is funded by the EU's Horizon - 2020 Research and Innovation program and co-funded by Greece and the EU, through the national Operational Program "Competitiveness, Entrepreneurship and Innovation" (EPAnEK 2014 - 2020).

 sboing.net

 /SBOINGnet-144574145603773/

 +30 2310 784608

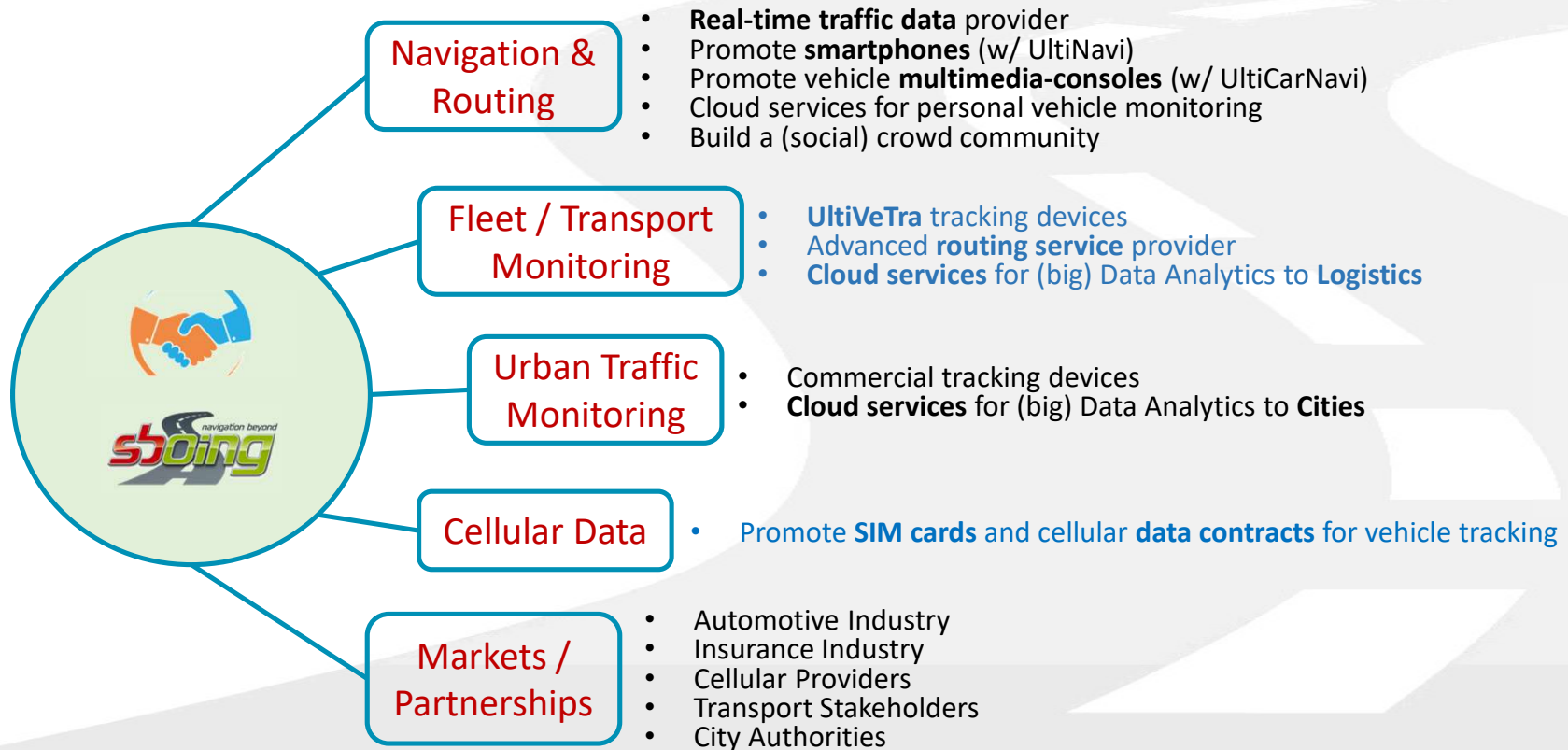
 @SBOING

 liotop@sboing.net

 /company/sboing.net/about/



Benefits from a Partnership with SBOING





Partner with us!

JOINING!

let's talk!

