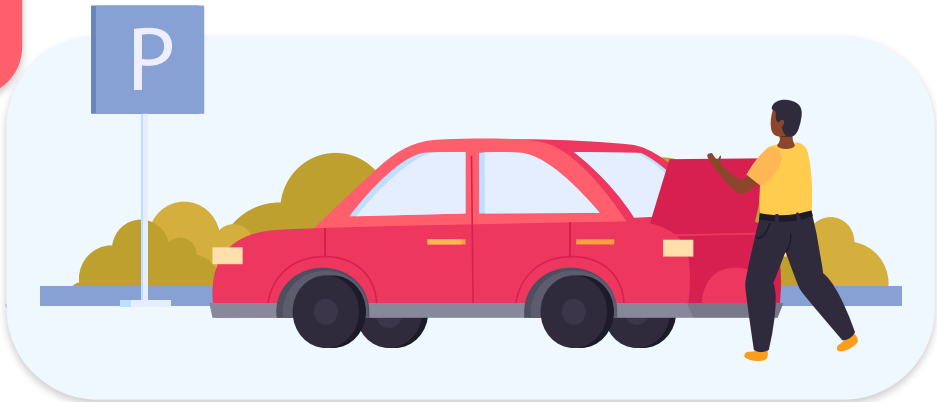
Security tracker for cars

With gps tracking, movement detection and alert notifications



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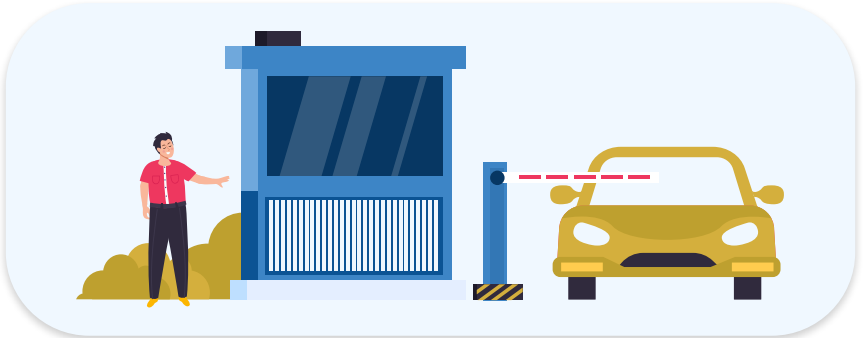
1

Stolen Cars

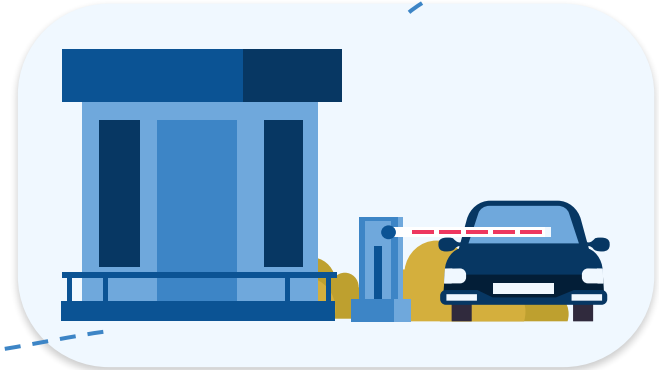


Problem

Top 3 Countries with most car theft per year:

- France : 173.010
- Italy : 166.075
- United Kingdom : 99.280

Each new car costs ~30.000€



https://www.motor24.pt/noticias/os-paises-onde-se-roubam-mais-carros-na-europa/1544299/

438,365

Cars stolen per year

6,575,475,000€

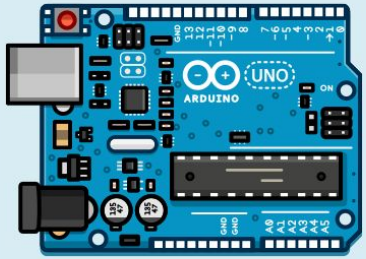
Stolen per year

Only on top 3 countries in europe

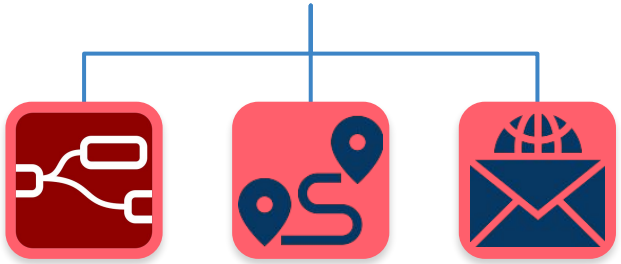
Considering that each car's value is around 15,000€.
Since only minority of stolen cars are new.

2

Our Solution



Software



Node-red World Map Email

Hardware

Neo-6m GPS Buzzer 3 Axis Sensor

Information Journey

Sensoring

Our hardware sensors location and speed

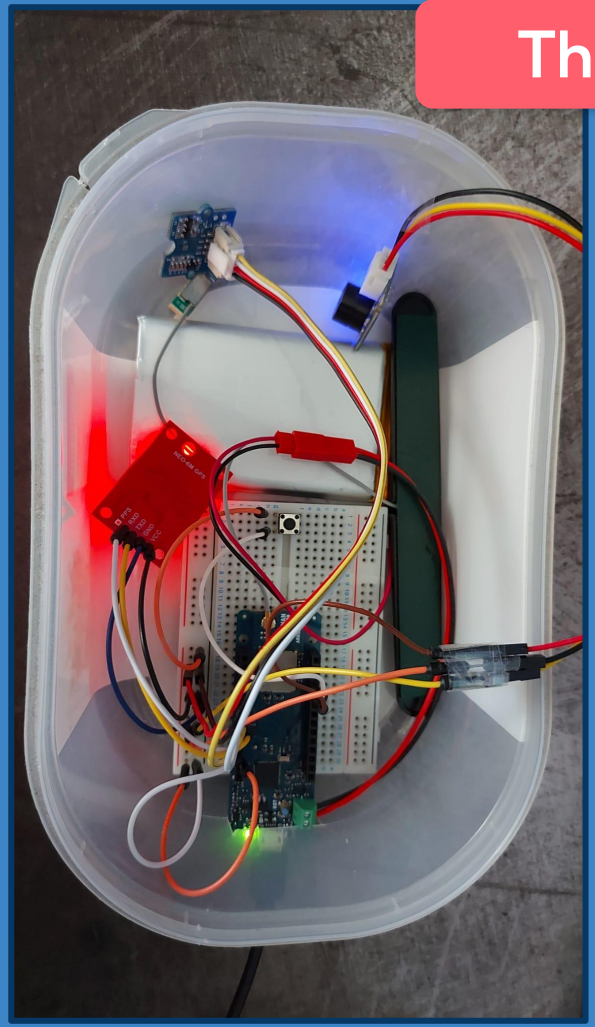
Communication

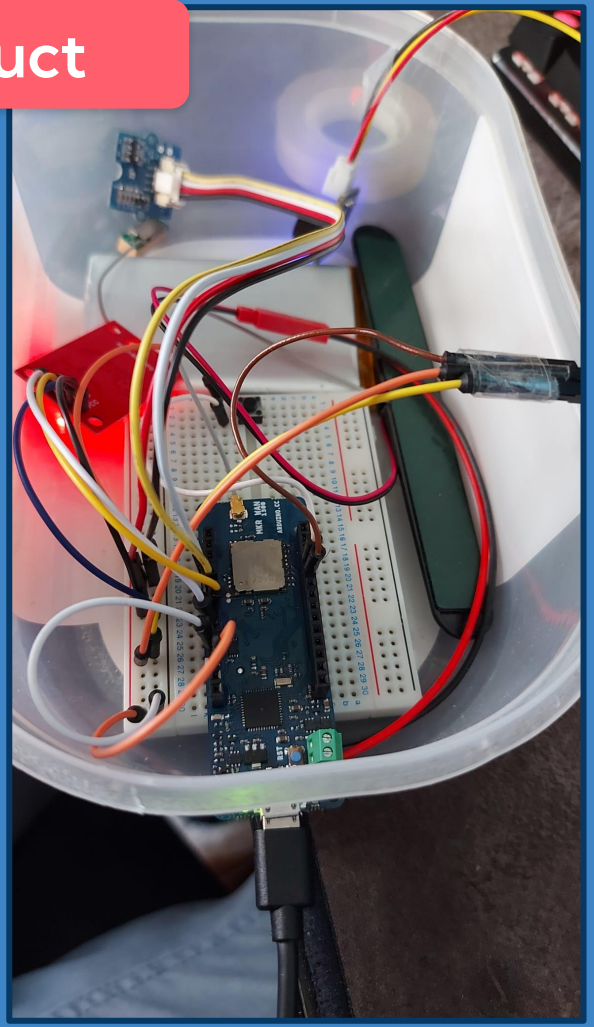
LoRa receives and passes the information to our backend

Displaying

Our backend filters and sends our information to be displayed

The product



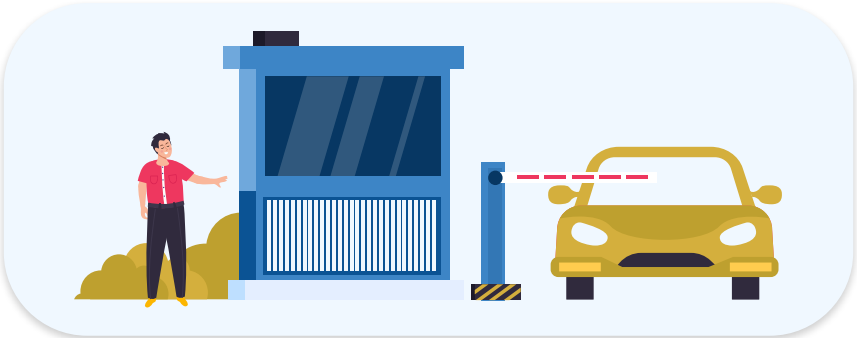


Product demo

“Security is not having things,
It’s handling things”

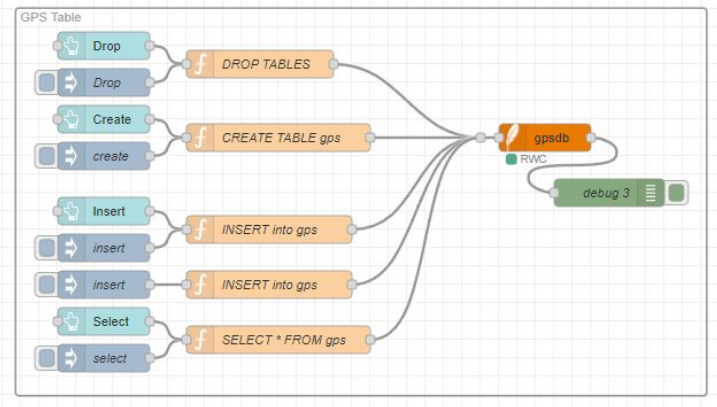
3

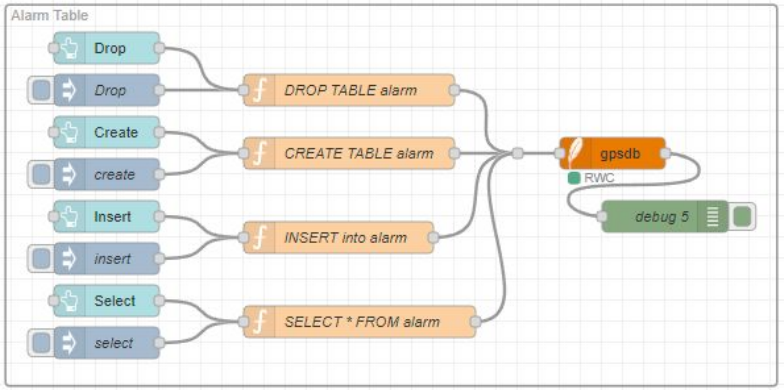
Node Red

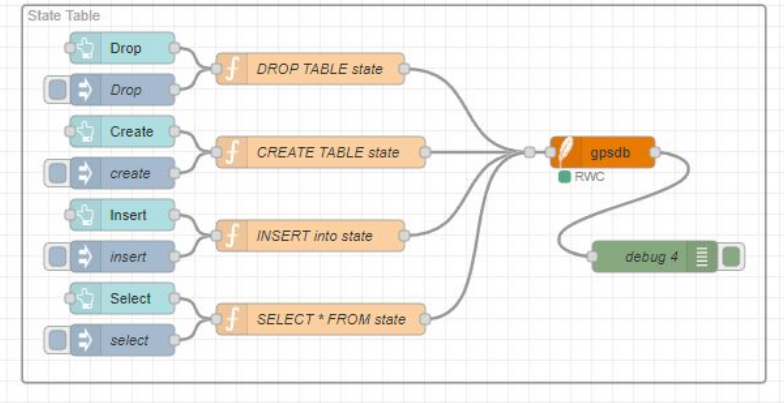


Database

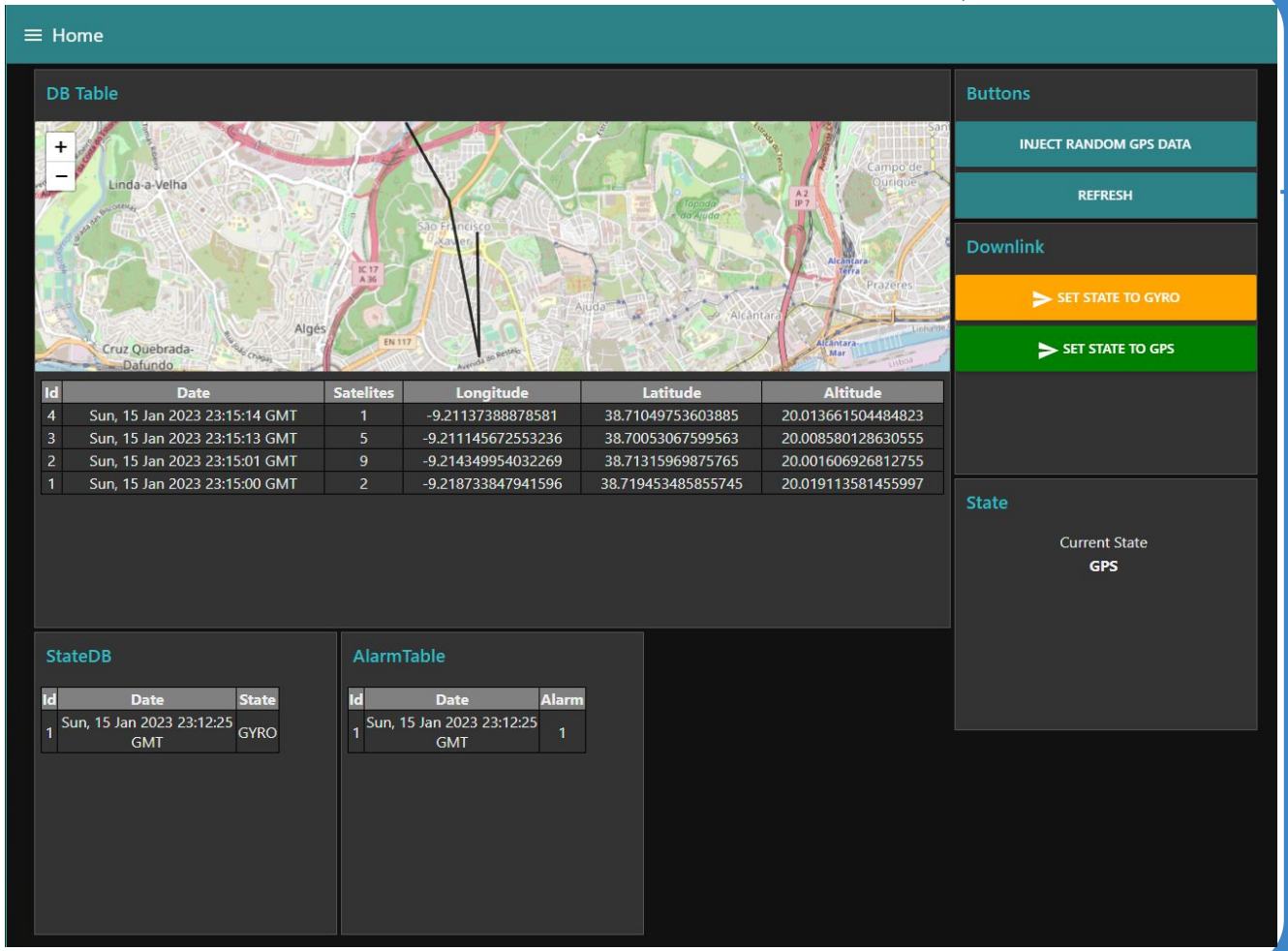
- GPS Table
- Alarm Table
- State Table







DashBoard

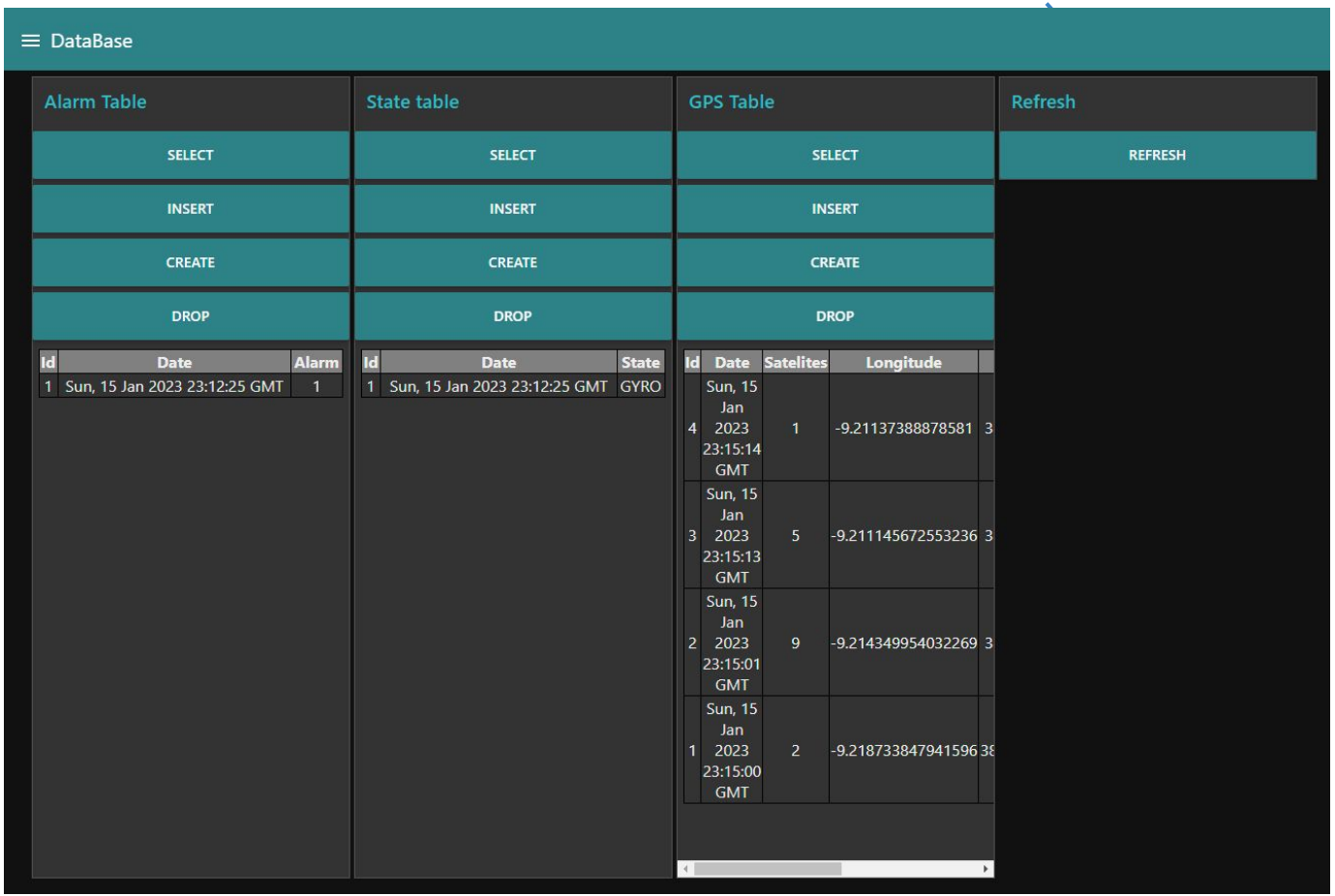


Id	Date	Satelites	Longitude	Latitude	Altitude
4	Sun, 15 Jan 2023 23:15:14 GMT	1	-9.21137388878581	38.71049753603885	20.013661504484823
3	Sun, 15 Jan 2023 23:15:13 GMT	5	-9.211145672553236	38.70053067599563	20.008580128630555
2	Sun, 15 Jan 2023 23:15:01 GMT	9	-9.214349954032269	38.71315969875765	20.001606926812755
1	Sun, 15 Jan 2023 23:15:00 GMT	2	-9.218733847941596	38.719453485855745	20.019113581455997

Id	Date	State
1	Sun, 15 Jan 2023 23:12:25 GMT	GYRO

Id	Date	Alarm
1	Sun, 15 Jan 2023 23:12:25 GMT	1

DashBoard


DataBase
Alarm Table
SELECT
INSERT
CREATE
DROP
Id
Date
Alarm
1
Sun, 15 Jan 2023 23:12:25 GMT
1
State table
SELECT
INSERT
CREATE
DROP
Id
Date
State
1
Sun, 15 Jan 2023 23:12:25 GMT
GYRO
GPS Table
SELECT
INSERT
CREATE
DROP
Id
Date
Satelites
Longitude
4
Sun, 15 Jan 2023 23:15:14 GMT
1
-9.21137388878581
3
3
Sun, 15 Jan 2023 23:15:13 GMT
5
-9.211145672553236
3
2
Sun, 15 Jan 2023 23:15:01 GMT
9
-9.214349954032269
3
1
Sun, 15 Jan 2023 23:15:00 GMT
2
-9.218733847941596
Refresh
REFRESH