

DVLA 2020

Monitoring system



- **Over speeding**
- **Location / direction of traveling**
- **Accident G forces versus car tilted / upside down**
- **Position of vehicle**
- **Sabotage**
- **Emergency button**
- **Traffic light vs traffic management**
- **Vehicle gasoline supply and Speed control calibration**
- **Air pollution**
- **Vehicle Engine Starter Control Intelligence**
- **Trash bin full status**
- **Where is the police**
- **Unlimited possibilities**



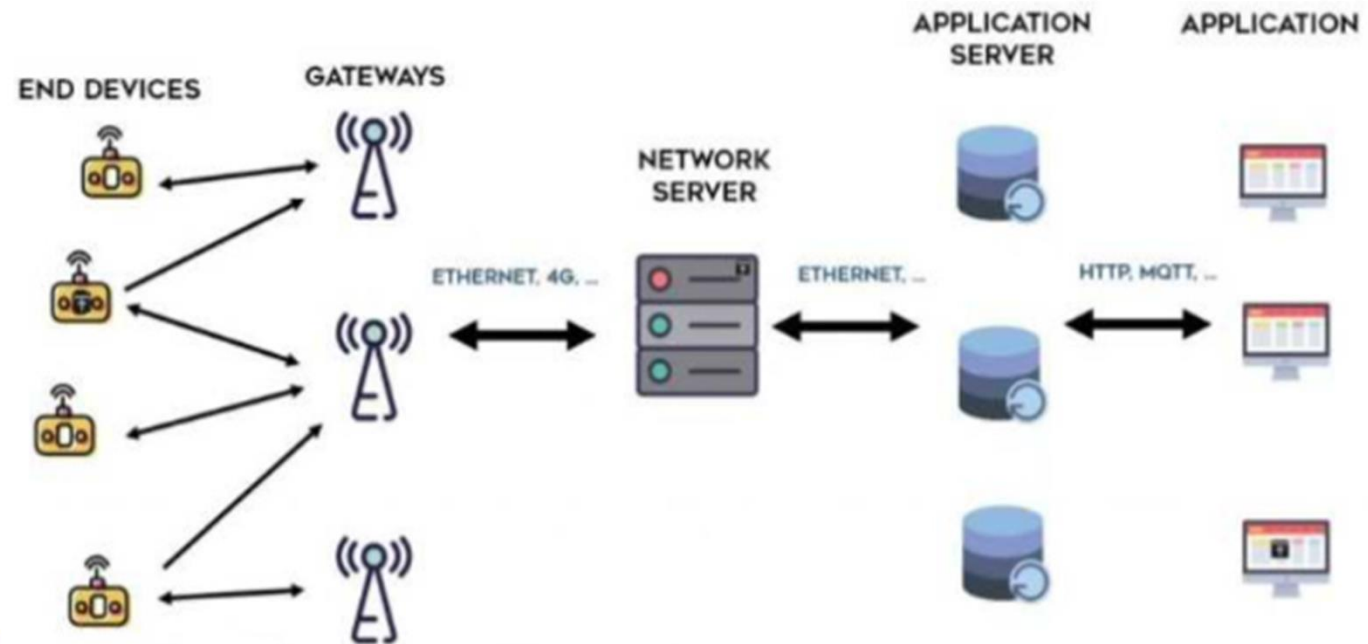
How does it works

- Make a RF signal grid
- Long wave magnitude
- Low power transmitting
- Connect the grid to the internet
- Make detection rounds
- Internet secure browser and find my vehicle

Overview of the system



System overview



Overview of the capability of the system



- Detecting motion
- Levels ground water
- Temperature / local environment
- Air pollution
- Safety issues
- Existing Technology Systems
Integration Compatibility

INTRODUCTION

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Road
Safety
Speed
Control
Intelligence

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Details

Fine

Speed	107
Car	XRGB48
Location	Lat: 52.52667100 Lon: 6.12294747

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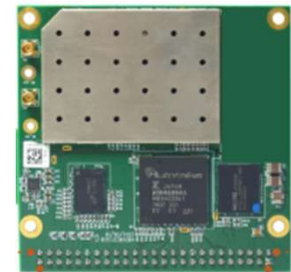
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Immediately warning system:

As all data comes into big database and data-filter can select what's to do where and when

- * FIRE STATION get car accident messages
- * POLICE STATION over speeding messages
- * AMBULANCE STATION get hard hit and upside down messages
- * OPTION EMO BUTTON to 112 call National Safety line
- * OPTION last called message send to the network
- OPTION on distance read complete memory card
- * ALL DATA INTO 1 SYSTEM, drivers license, insurance, road worthy, accident track record, gun license,



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Optional features and near future capability:

As all data comes into big database and data-filter can select what's to do where and when

- * Adjust the traffic in the city, count cars close together and turn on the green light to have free exit of the city to eliminate traffic infarct
- * When cars are not online be able to get the data out of the car from a distance
- * The system knows where is the police nearby and can do automatic calls in case of emergency
- Measure traffic light and gun sound and Fire smell pollution
- * Environmental features and national security features
- * Other features, like not paid insurance car will not drive





* Drivers license and insurance verification

Your Dashboard

Account Information

Full Name
James Ghana

Email Account
jmsghana@stimuluz.com

Phone
0242003000

Entity
DVLA Accra

Account Expiry Date
02/10/2020

[Edit Account Details](#)

[Log out](#)

What do you want to do?

Verify Driver

[Start Verification](#)

Report Driver

[Start Report](#)

Recent Checks

License Number	Full Name	Status
12724GSBF824N200N4	Yaw Danso Baduar	
12724GSBF824N200N4	Manso Daniel B	

Verification Report

Driver license is invalid or expired

Policy Status
Valid

Insurance Policy Number
5678909

Policy Type
Comprehensive

Policy Expiry Date
12/2/2020

Driver Infraction Status
N/A

Blacklist Comments/Report
N/A

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Verification Report

Full Name
Yaw Danso Baduar

Date of Birth
02/03/1888

Phone
0549776944

License Number
12724GSBF824N200N4

License Expiry Date
02/10/2020

Policy Status
Valid

Insurance Policy Number
5678909

Policy Type
Comprehensive

Policy Expiry Date
12/2/2020

Driver Infraction Status
No incident report

Blacklist Comments/Report
N/A

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Driver Infraction Status

Awaiting Court Processing

Infraction Comments/Report

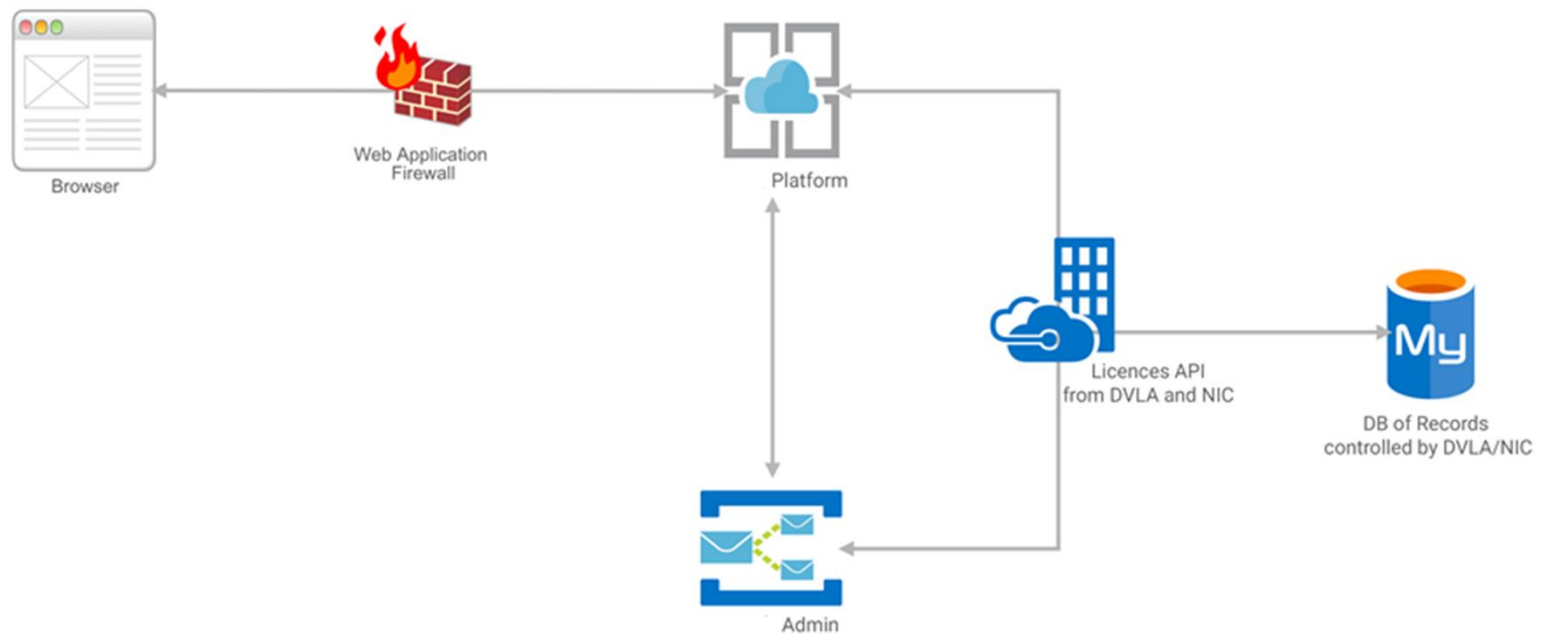
For vandalising of company upon dismissal due to theft reports

Driver license is
invalid or expired



- * Hi security level data can not be changed again once the system knows it

Technical Architecture



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Optional features and near future capability:

- * Antenna network connected on the Cellular tower.
- * Connected setup with local partners in Ghana
- * Antenna GRID separate from the cellular network
- * NO EXTRA LOAD on WIFI
- * NO EXTRA LOAD on 2G/ 3G/4G future 5G
- * MODERN FLEXIBEL SYSTEM data valid for different organization
- * Combine assurance with licenses and biometric data with driver position
- * Different data for different government department
- * BIG DATA FILTERS AVAILABLE meaning : combine and prepare

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- * 860 mega hertz
- * Different data speed
- * Bidirectional data
- * Transmitters connected by the internet's servers
- * DATA in the cloud safe on several locations
- * AES data encryption
- Slow and fast data transmitting data
- * All generated data available on memory card and remote readers available
- * Patent pending by BE Systems





We appreciate your attention
Thank you!
Demonstration DVLA

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CASE STUDY

Accident at Dompouse

