PROUD TECHNOLOGIES

FLEXIBLE,RELIABLE,EFFICIENT

DRIVER AND VEHICLE LICENSING AUTHORITY

DVLA

DVLA

DIGITIZING VEHICLE ROADWORTHINESS

vehify

RFID Based Advanced e-DVLA Stickers Authentication System

Who we are?

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

- Proud Technologies is a software consultancy specializing in development of customized software and websites, for small to medium-sized organizations. We develop software from scratch, according to customer/client requirements and specifications, and then implement solutions, which include customized off-the-shelf software and applications.

- Types of systems, we have experience in developing, include public websites, customized intranets, line-of-business focused applications, Office and Exchange add-ins, and all types of database-oriented systems. We have team of experts for developing web/browser-based and Windows-based-applications.

Joint Accreditation System of Australia & New Zealand

International Accreditation Forum

DRS is Accredited by JAS-ANZ M50809121F

Who we are?

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

- **We have experience in developing**
  - Public websites
  - Business focused applications
  - database-oriented systems
  - web/browser-based Applications
  - Windows-based-applications.
  - Android Based Applications
  - RFID/NFC based Smart system.

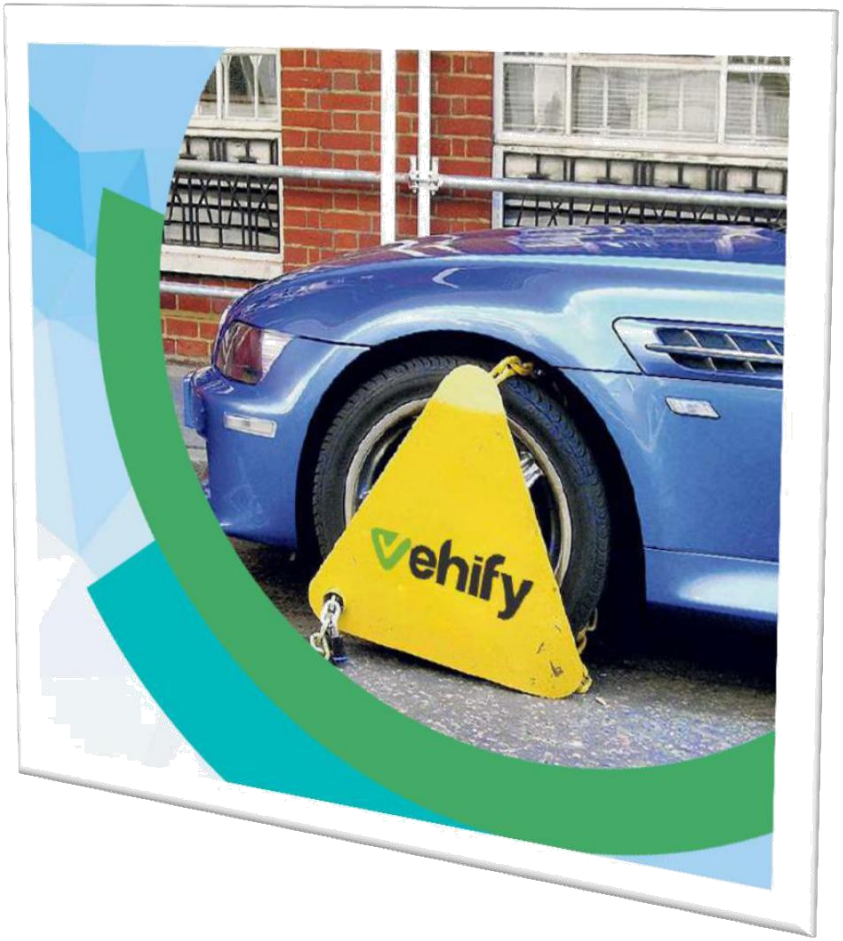
  - Revenue collection system
  - Vehicle Tax Management System
  - GIS Based system
  - Property tax collection
  - Electronic Document management system.
  - Crowd management system.

indocorp
k.s.infosystems
LESDEP
KIMMS
heal&bliss
connect, share....care
Designo in
studioone
skills CENTER
ACADEMY
Infratel
Y.A. INTERNATIONAL
ageing gracefully

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

What is Vehify?

Vehify, a software developed by Proud Technologies ensures authenticity and efficiency of the roadworthiness (Fitness) system and prevents the activities of the middle man. Vehify is a comprehensive system wherein the roadworthy stickers are equipped with RFID tags. These RFID tags contain information such as vehicle number, Colour, make and model, owner's name and information, issuing and the expiration date of the sticker.



Components of System

- Management Application
- Departmental Dashboards
- Vehicle Registration Module
- Inventory Management Module
- Roadworthy module
- MTTU Module
- Spot Fine Module
- Accounts Module
- POS Application
- SMS Alert Module

e-DVLA Stickers Authentication System - Features

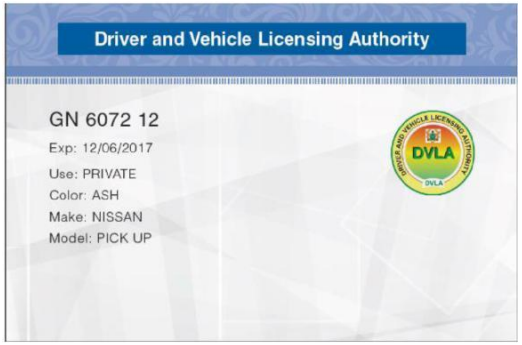
How It works?

Following is the step wise procedure of Vehify:

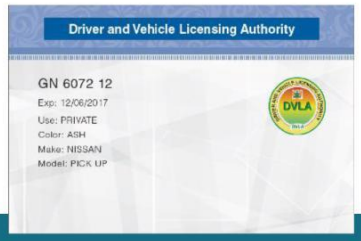
- Process starts with the registration of vehicle in the central database repository of the Vehicle Licensing Authority.
- After the fitness inspection, RFID roadworthy stickers are allotted to the vehicles.
- POS devices are allotted to the Traffic Police, with which they scan the
- information from RFID tags and can impose fines in case of expired RFID or stolen vehicle.
- After receiving the information about the stolen vehicle by police authority, the information is sent to the data repository of the traffic police. This information contains details such as owner's name and RFID tag number. This information is also shared on POS devices and after scanning the RFID tag, the stolen vehicle is identified.
- Prior notifications are sent to the customers through SMS so that they could get the fitness renewed again.
- Real time MIS reports are created and are updated in the Vehicle Licensing Authority's central database repository.

How e-DVLA Stickers Authentication System works ?

- All road worthy stickers will be equipped with RFID tags.



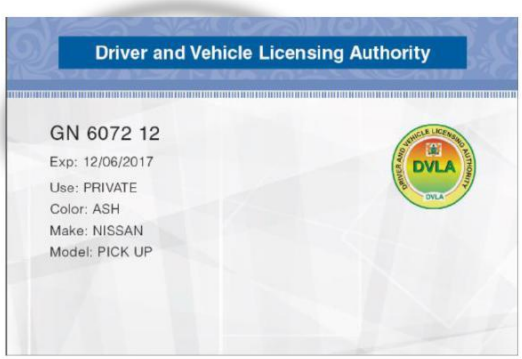
- The information Vehicle Number and Date of Expiry will be printed on stickers issued by DVLA offices and the same will also be stored in Central Data Center.

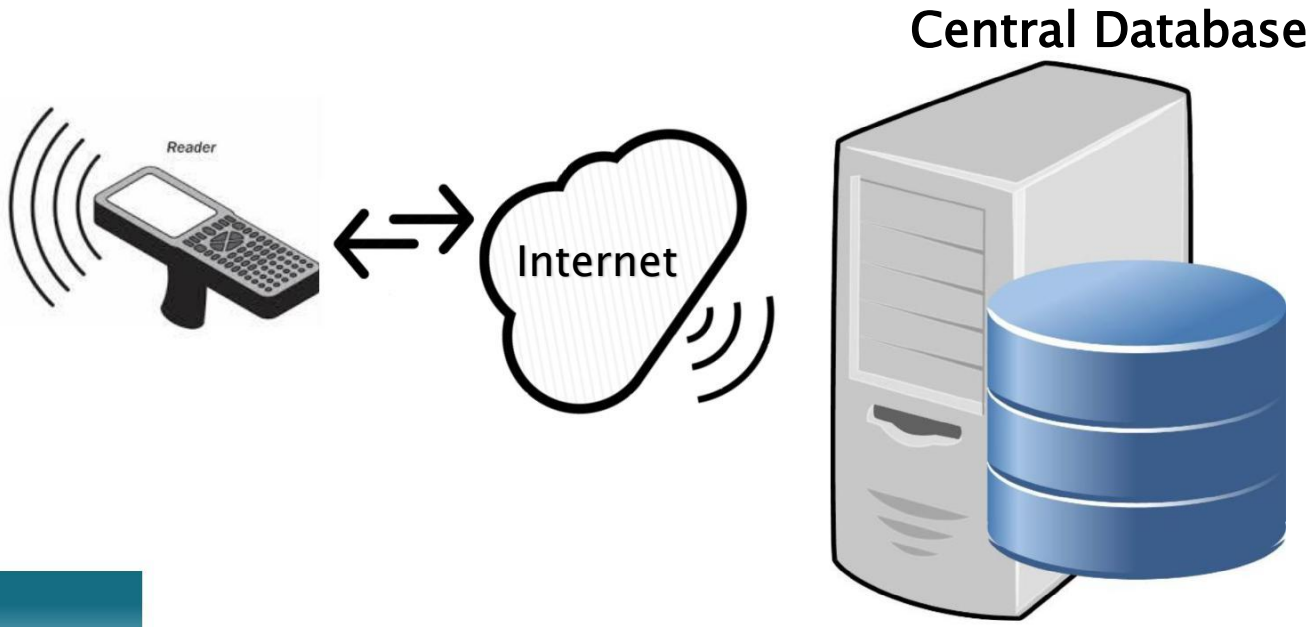


How e-DVLA Stickers Authentication System works ?

- This will enable ONLINE authentication by MTTU and DVLA officers when required using portable handheld device.

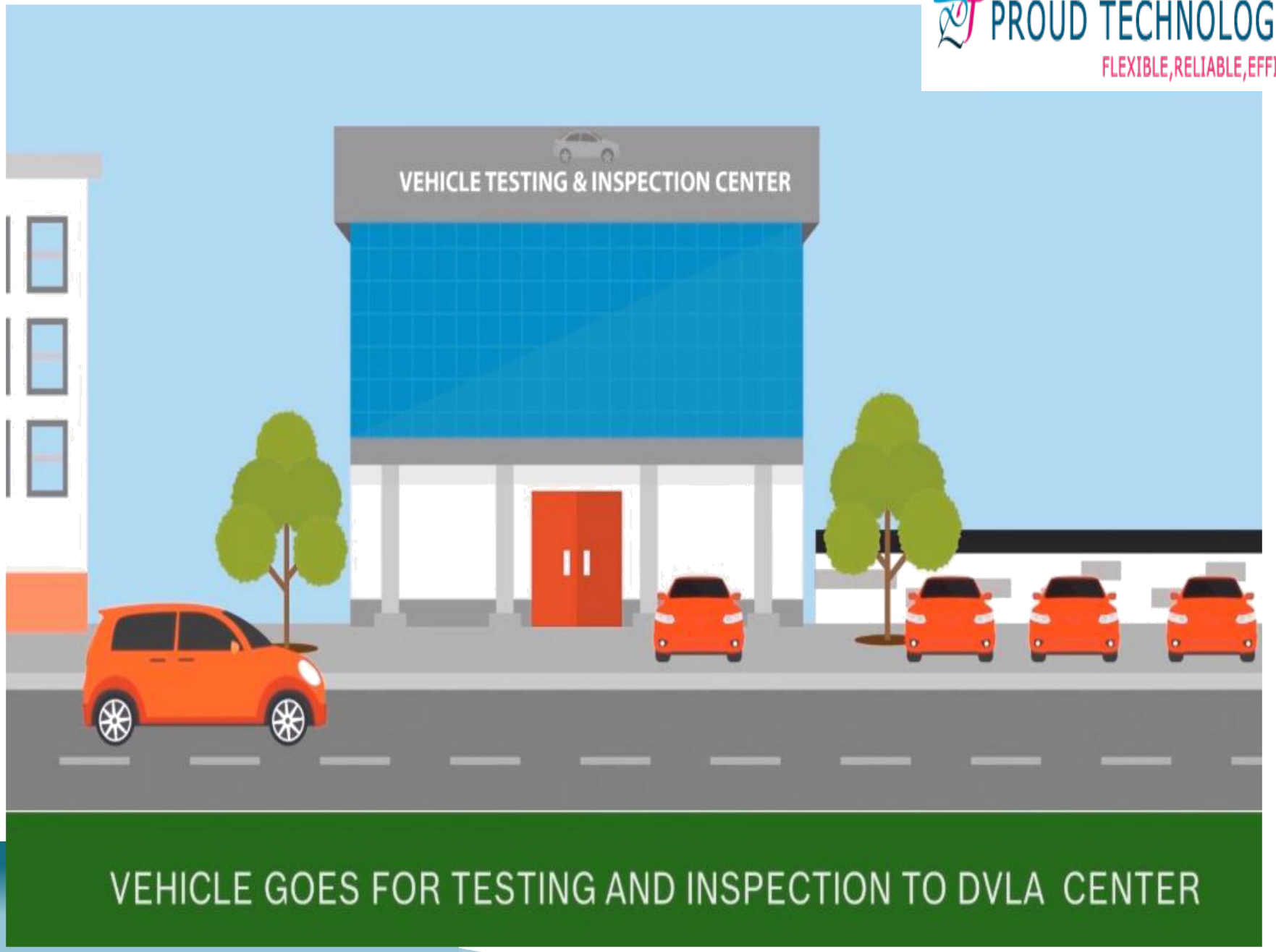
ONLINE authentication by MTTU officers





HOW ROAD WORTHY WORKS

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

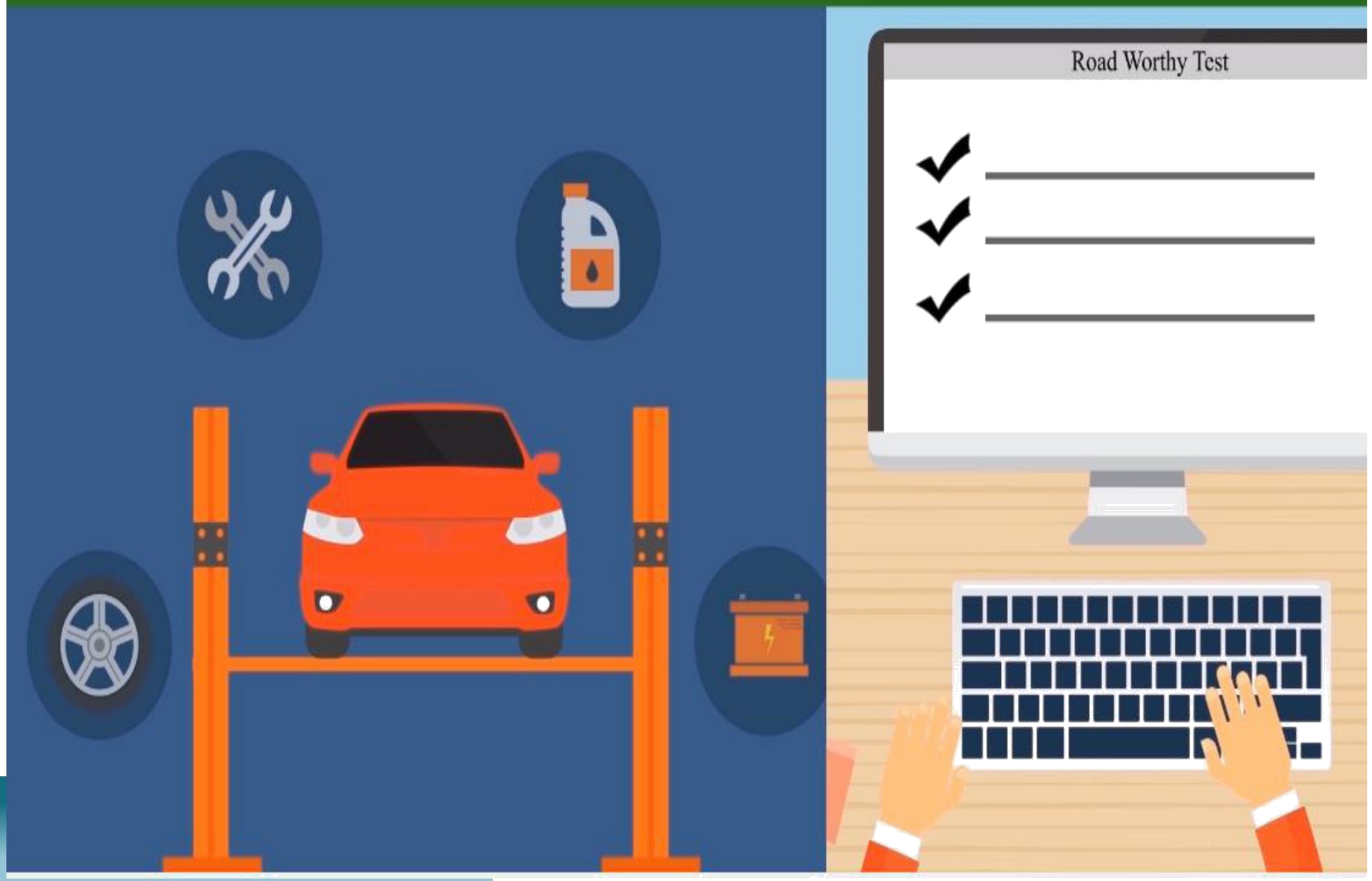


PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

VEHICLE OWNER SUBMITTING MANDATE DOCUMENT AND PAYING FEE CHARGES AT DVLA CENTER FOR ELECTRONIC VEHICLE REGISTRATION

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

ROAD WORTHY TEST AT DVLA CENTER

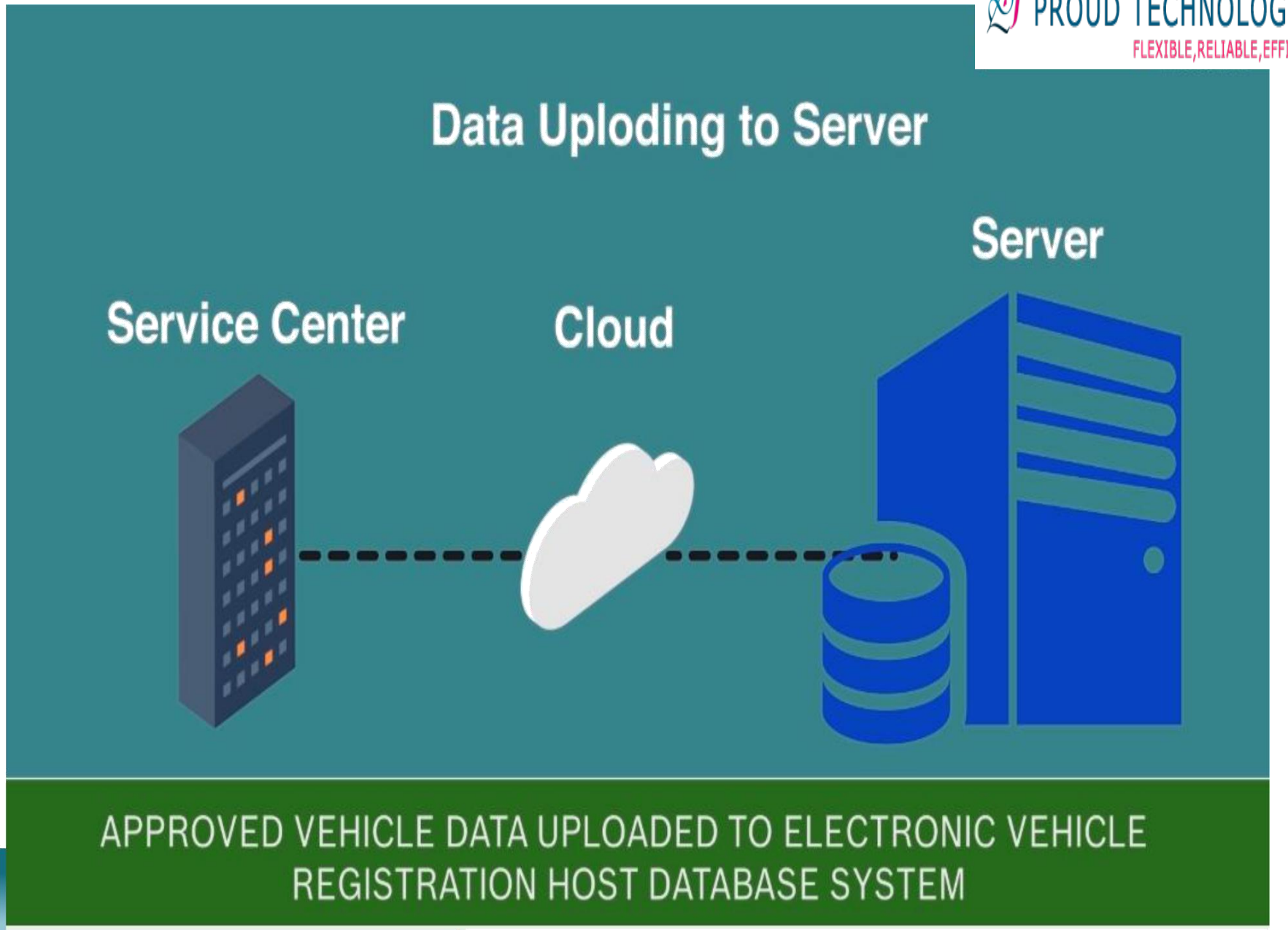


PROUD TECHNOLOGIES

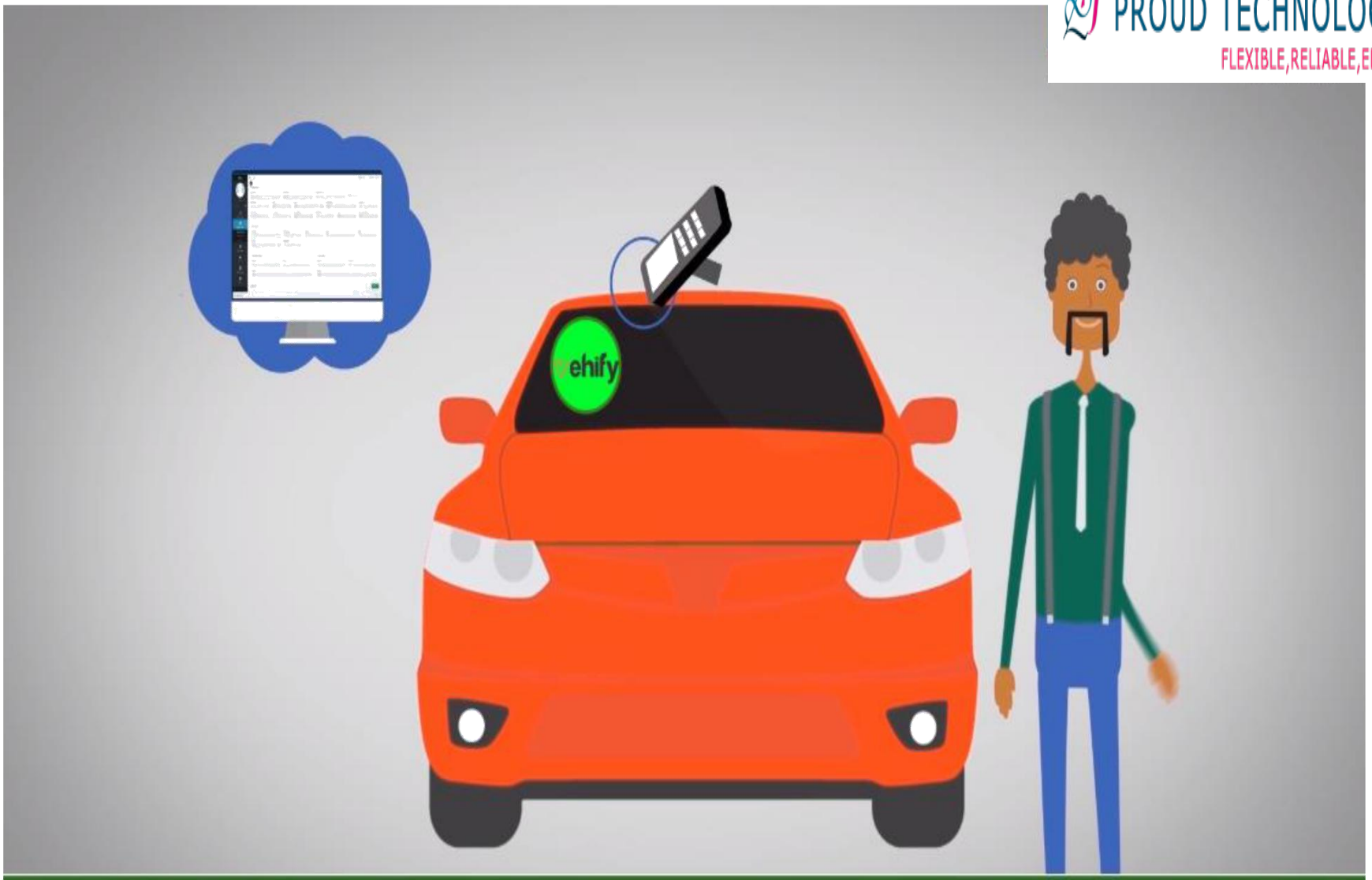
FLEXIBLE,RELIABLE,EFFICIENT

DVLA TAG ACTIVATION PROCESS INITIATION

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT



PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

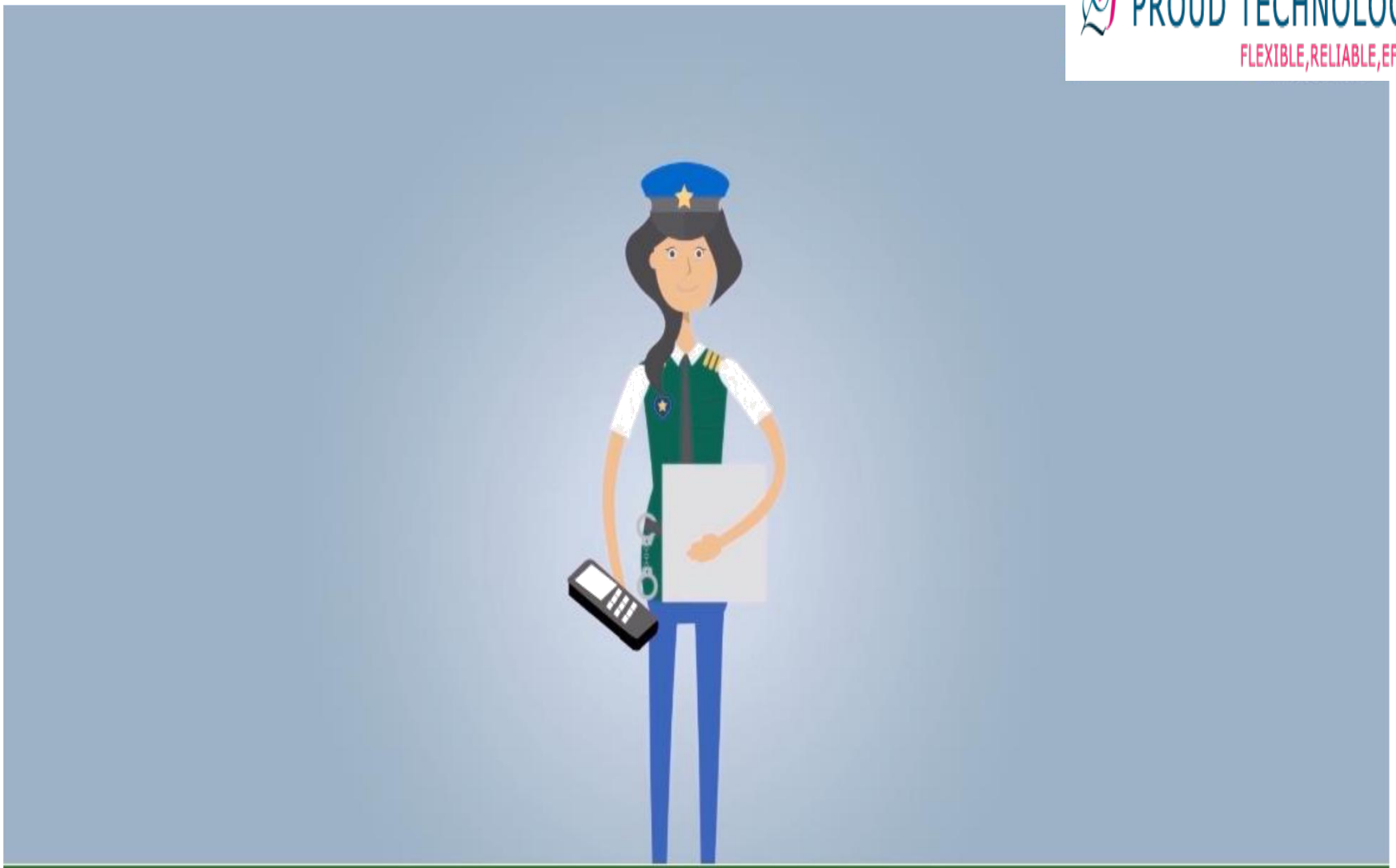


DVLA TAG ALLOCATED TO THE VEHICLE

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

How Road Spot-Fine Works

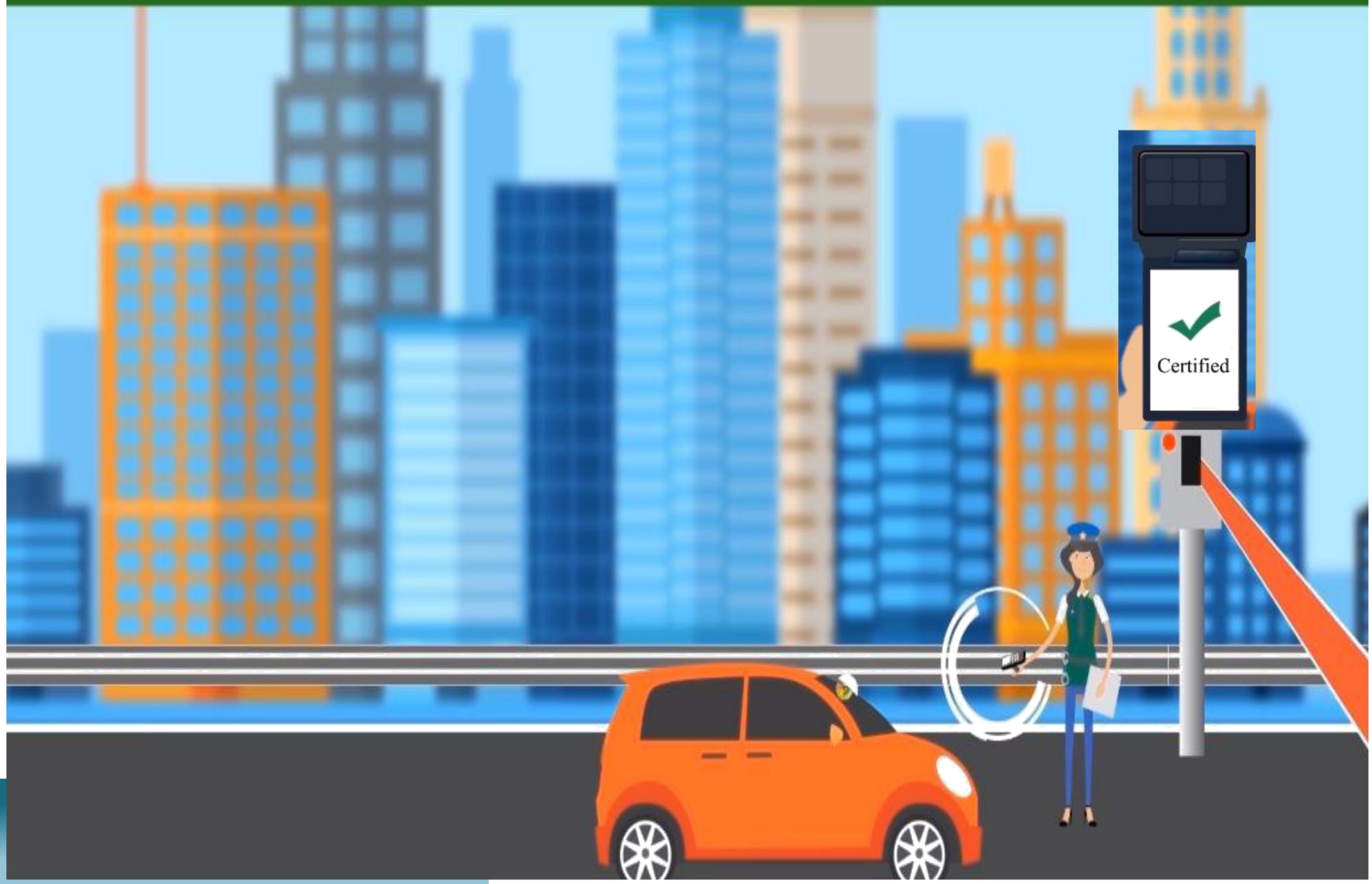
PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

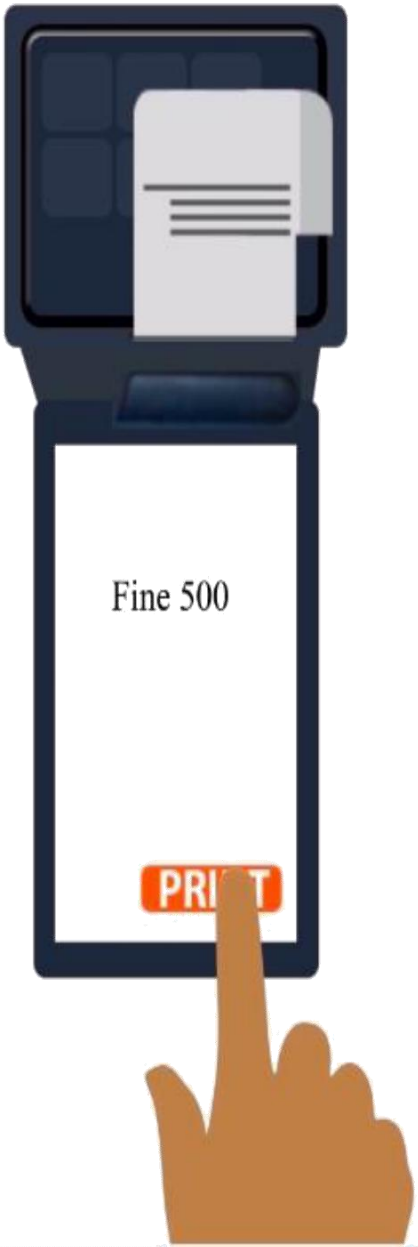


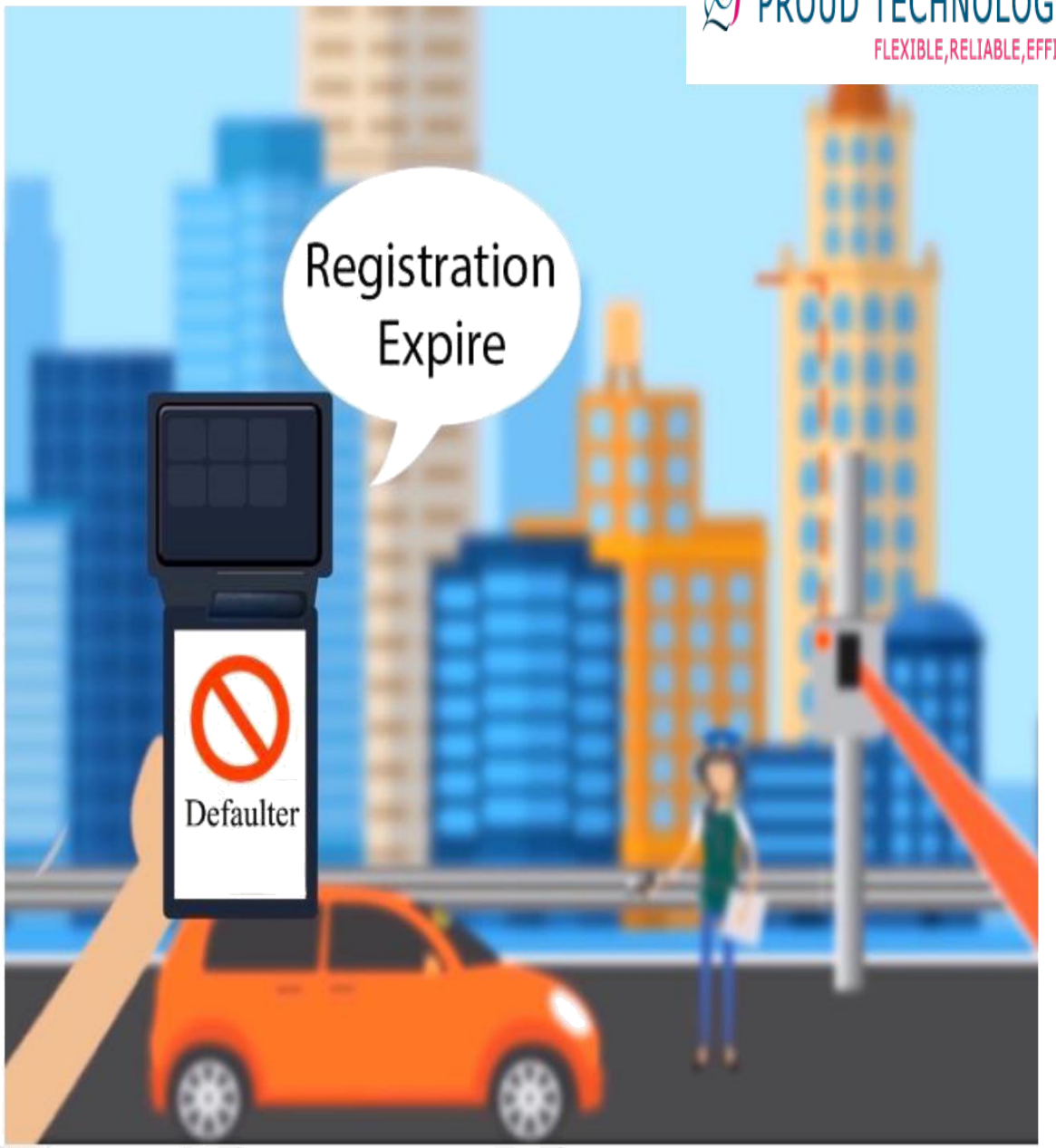
TRAFFIC OFFICER EQIPPED WITH A POS DEVICE

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

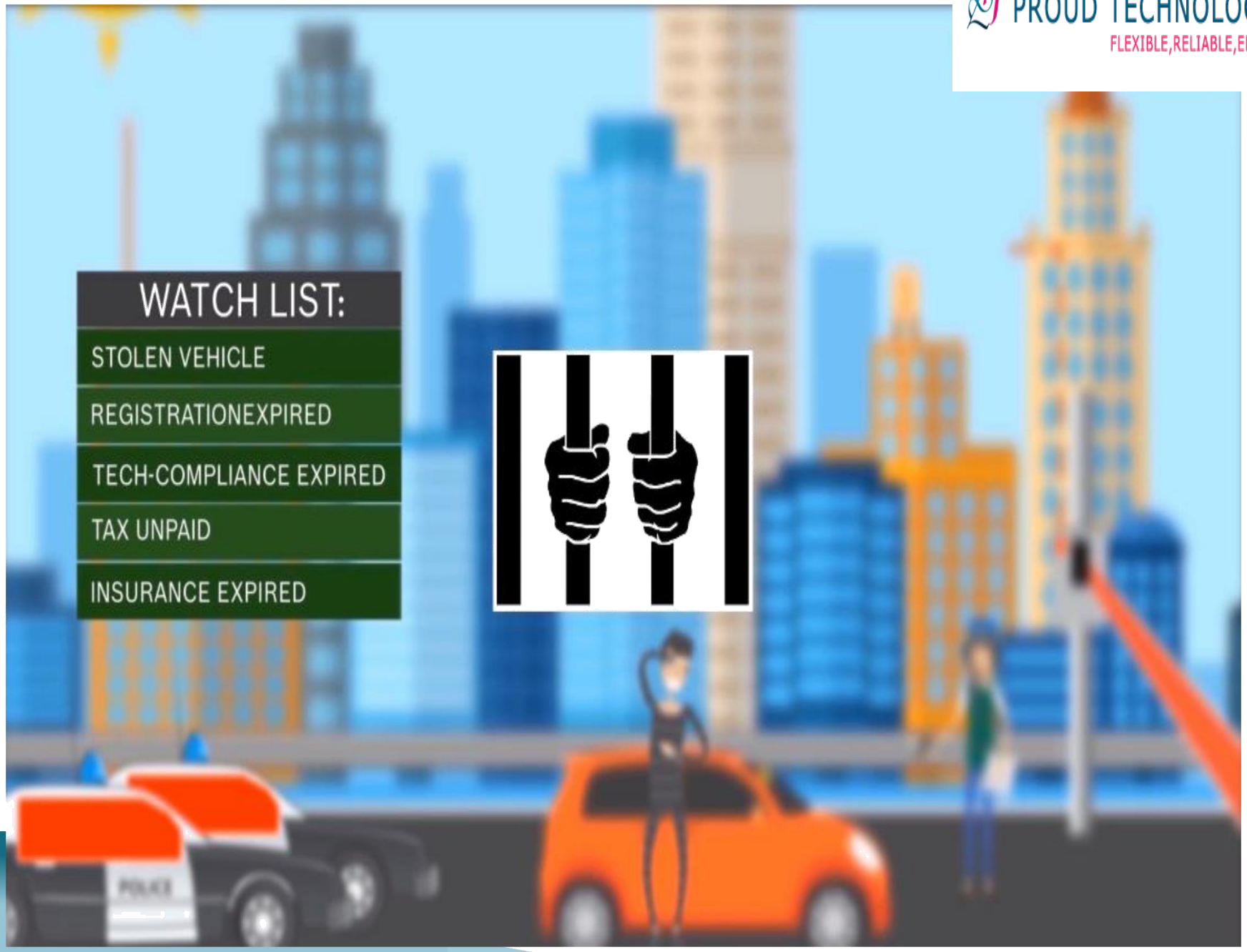
AT CHECK POST, THE TRAFFIC OFFICER SCANS THE TAG AND SENT THE INFORMATION TO THE HOST SERVER




Fine 500
PRINT


Registration
Expire
Defaulter

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT



e-DVLA Vehicle Reporting and monitoring - Features

- SMS service for prior notification for renewal
- Automatic Email service for prior notification
- Reporting and monitoring from Back office:
    - Total No of Registered Vehicle
    - Total No of Vehicle registration to be renewed per day/month/year
    - Total No of Vehicle renewed so far/per month
    - Total No of Vehicle pending for renewal

MIS Reports

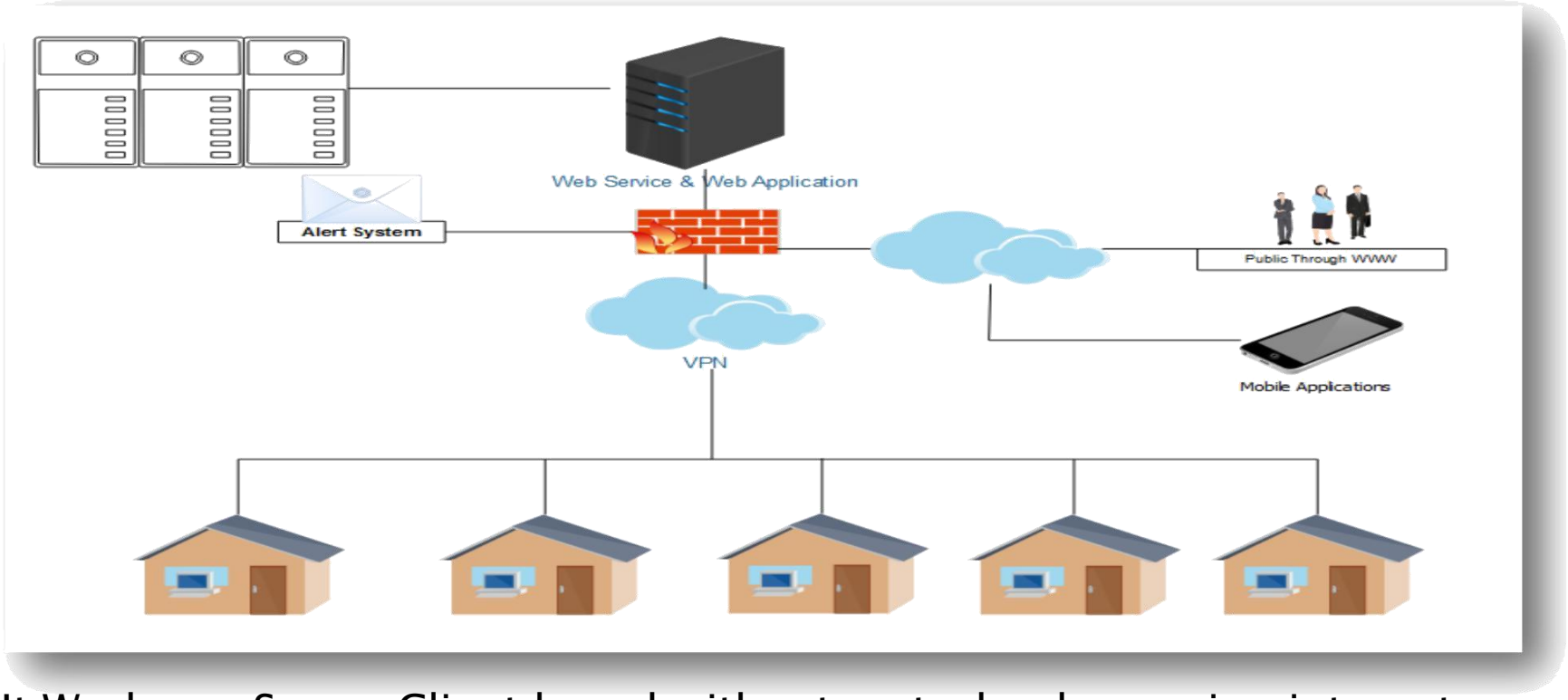
- Dashboard to view the daily number of expired and renewed road worthy stickers
- Administrator at the DVLA offices can choose to send vehicle numbers of expired road worthy to the MTTU for arrest/renewal.
- Server could generate various customized reports as specified.

Advantages

- **Guaranteed** increase in revenue for the DVLA
- **Stop** activities of 'Goro Boys' at DVLA
- Peace of mind of vehicle owners
- Visibility to DVLA of the **expired** or **renewal** of Road worthy stickers
- Reduction of chances of vehicle accidents due to decrease in issuance of Fake Road worthy stickers

Proposed Solution

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT



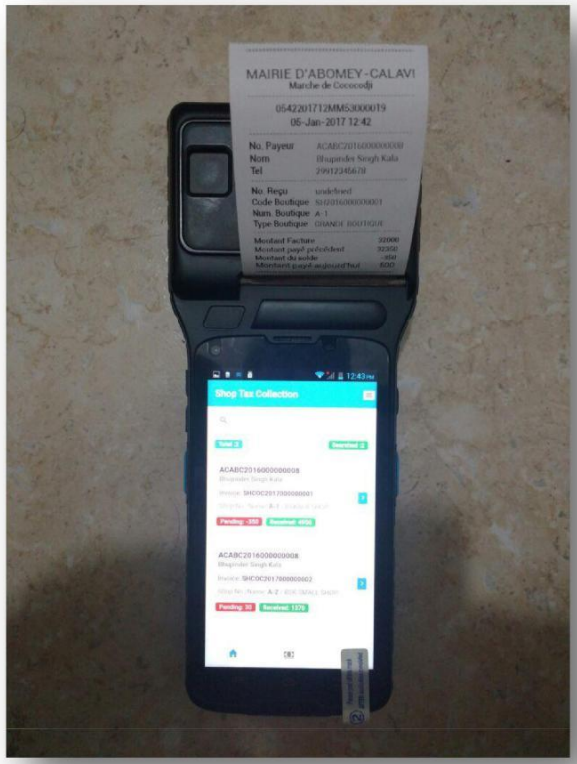
It Works on Server Client based with n tear technology using internet with different type of client application on different type of platforms

Proposed Solution

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

Basically system has following parts

- Database.
- Departmental Dashboards.
- Management Application.
  - User Management System
  - Rate Management System
- EDMS (Electronic Document management system)
- Department Applications
  - Vehicle Registration Department
  - Inventory Management Module
  - Road Safety Department Module
  - Road worthy Department Module
  - MTTU Management System
  - Accounts Department
- Public
  - Web Portal
  - POS Application

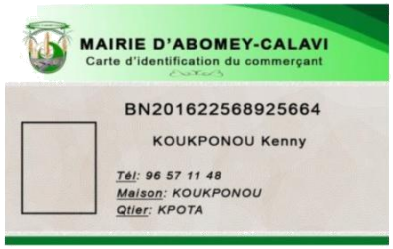


Hardware Requirement for a DVLA Station

- Number of Computers per Station – 2
- Number of RFID Scanners per Station – 2
- Number of RFID Scanner Printers – 2
- Number of Backup Computers – 1
- Number of Backup RFID Scanner – 1
- Number of Backup Printers – 1
- Number of POS Devices – Depends of MTTU Department

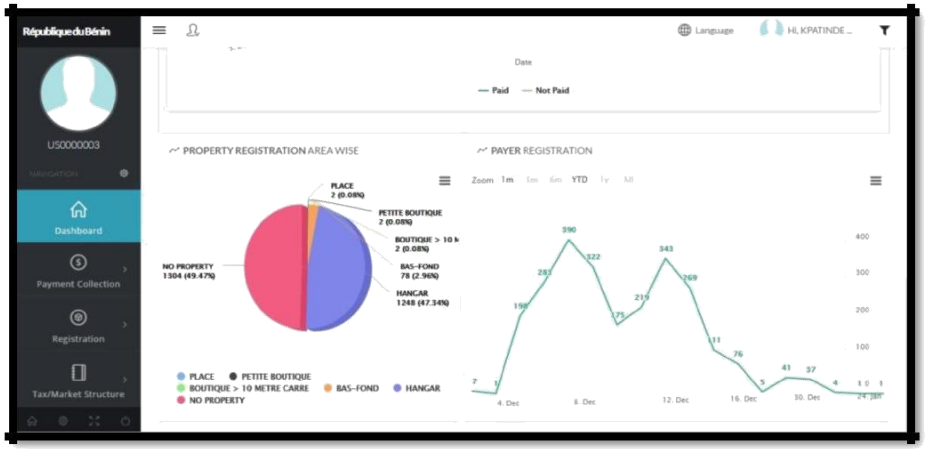
PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

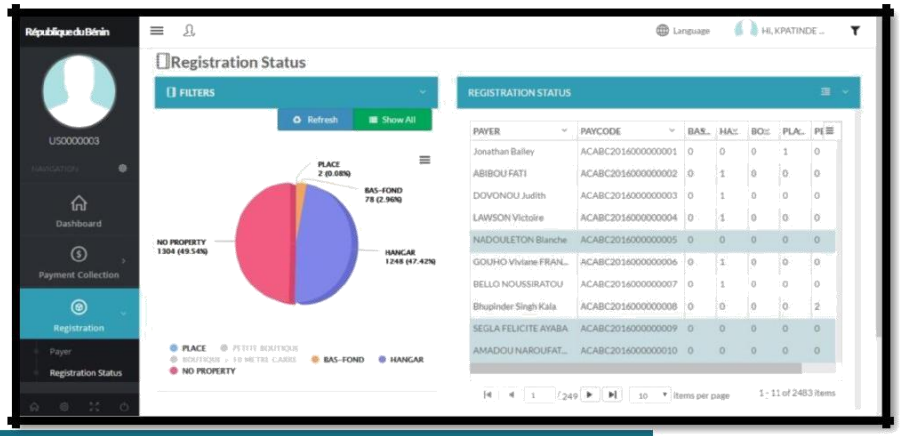
Hardware



PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

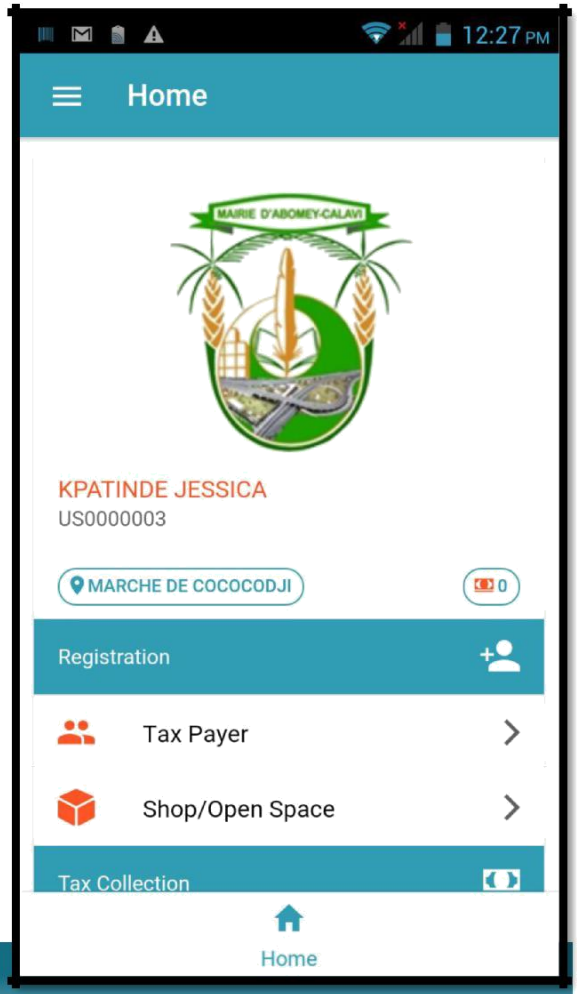
Web Panel

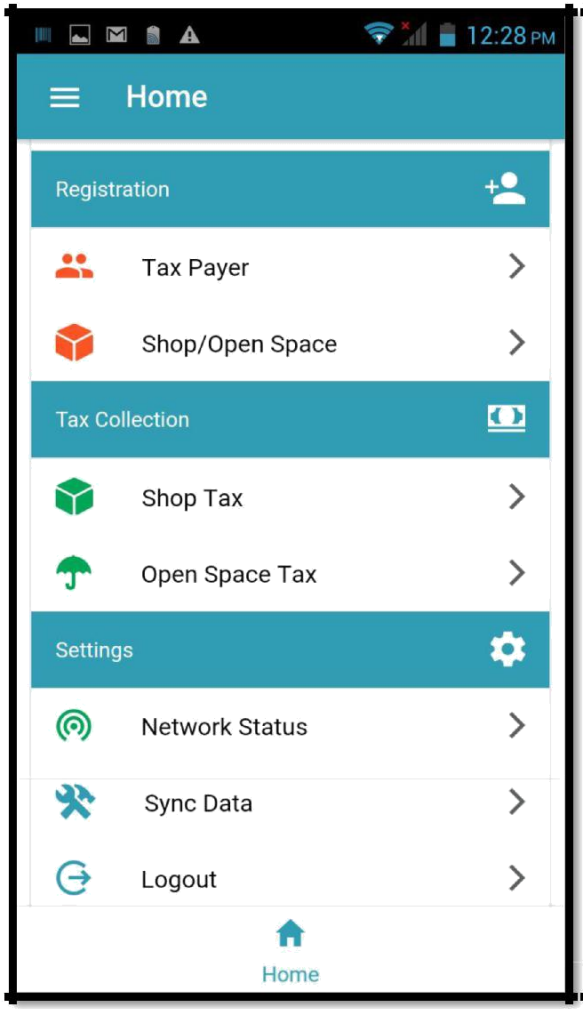


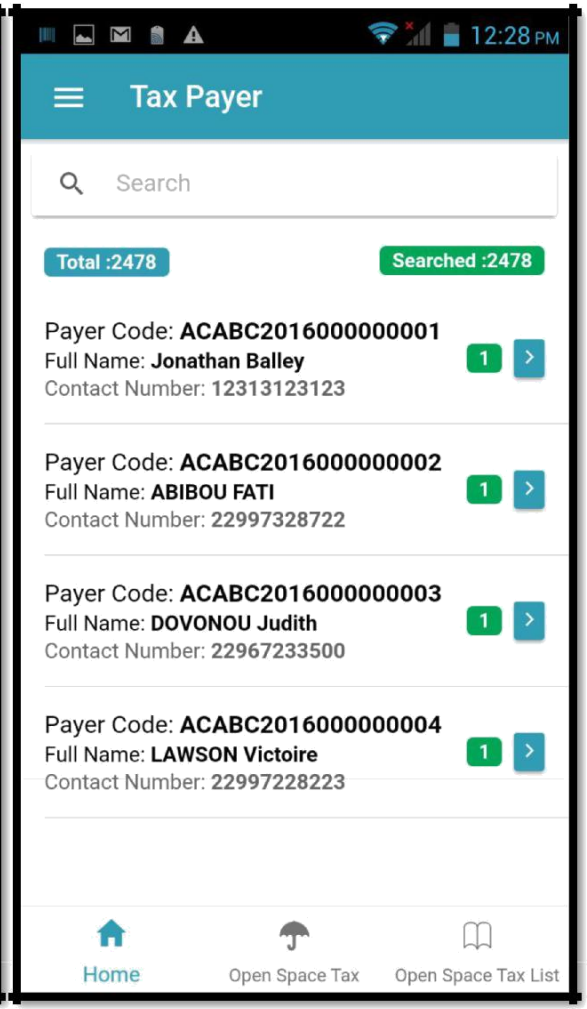


PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

Mobile Application

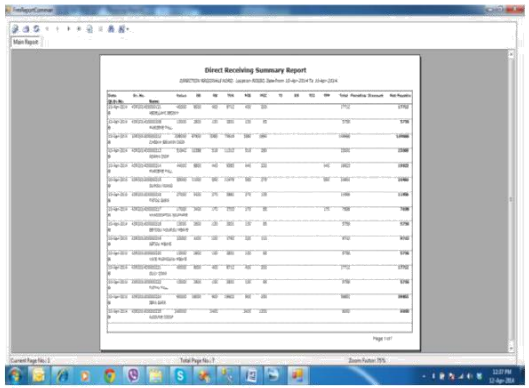


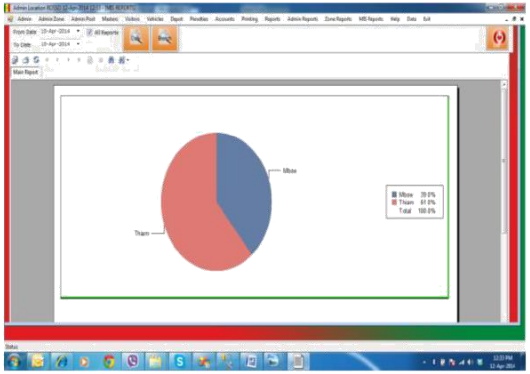


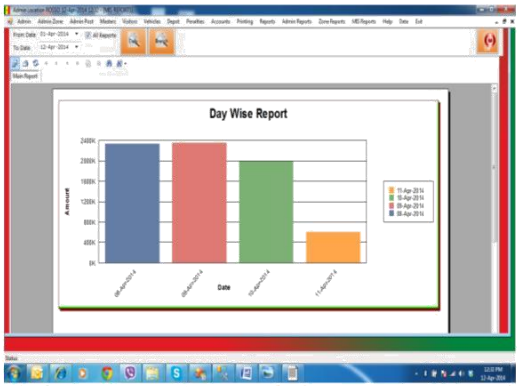


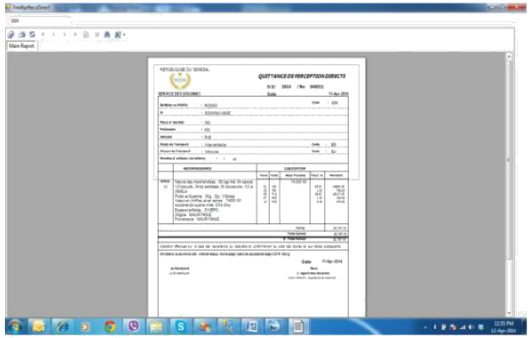
PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

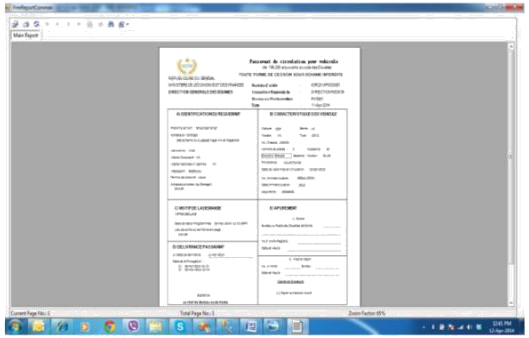
Some of Reports

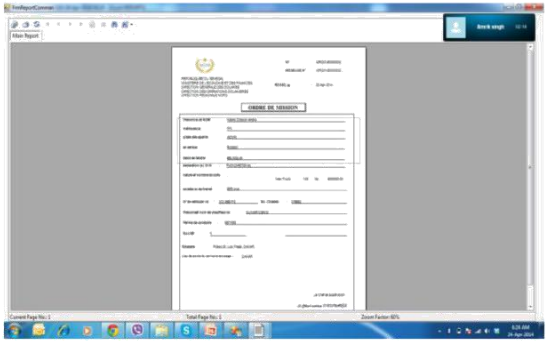


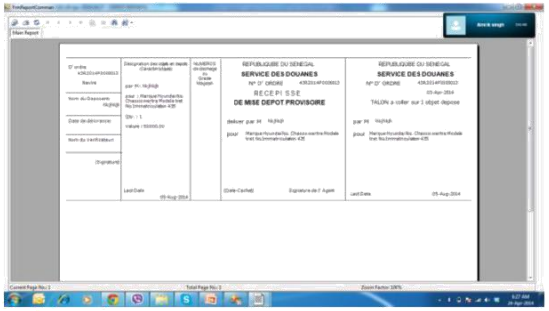






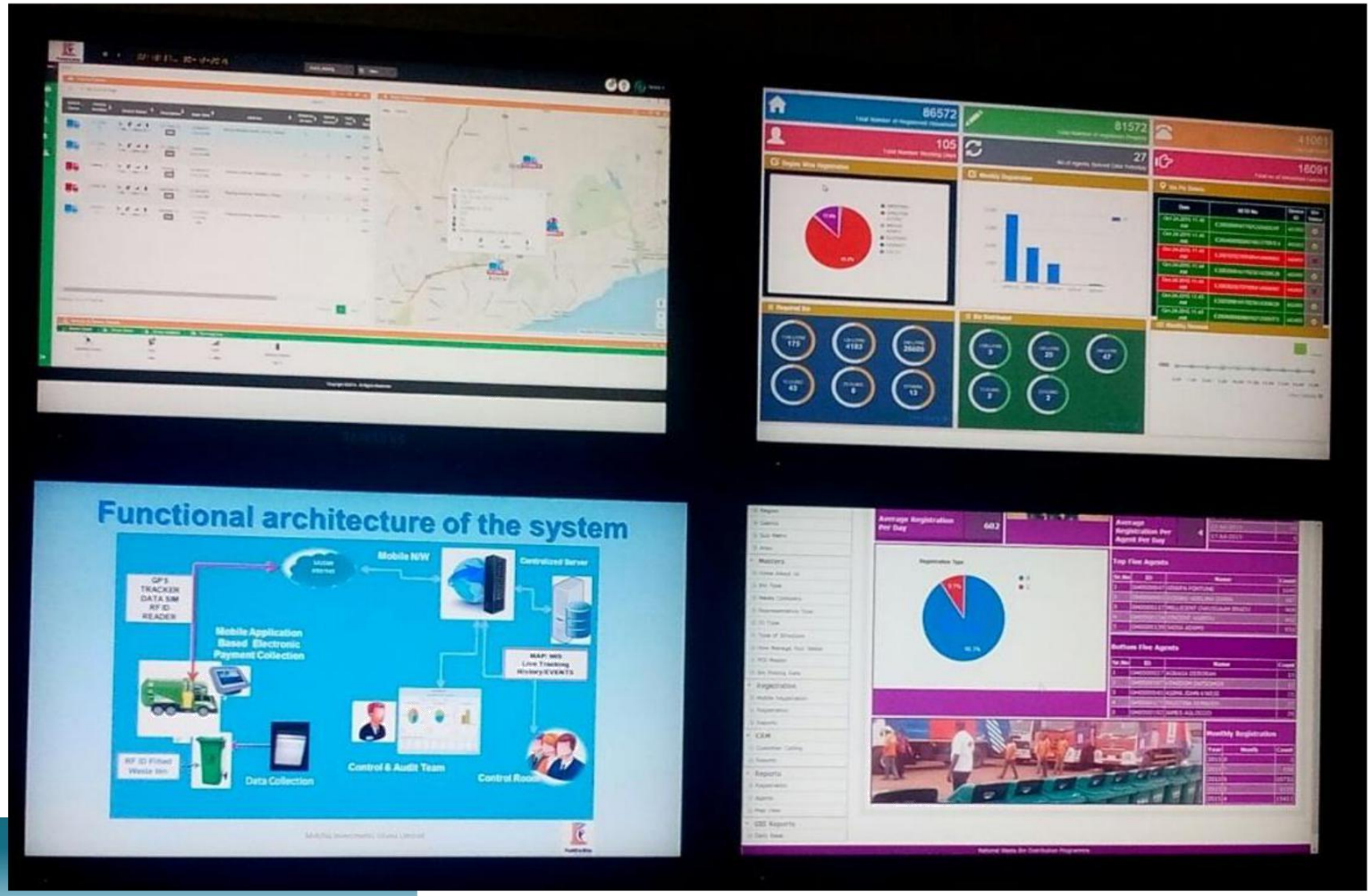






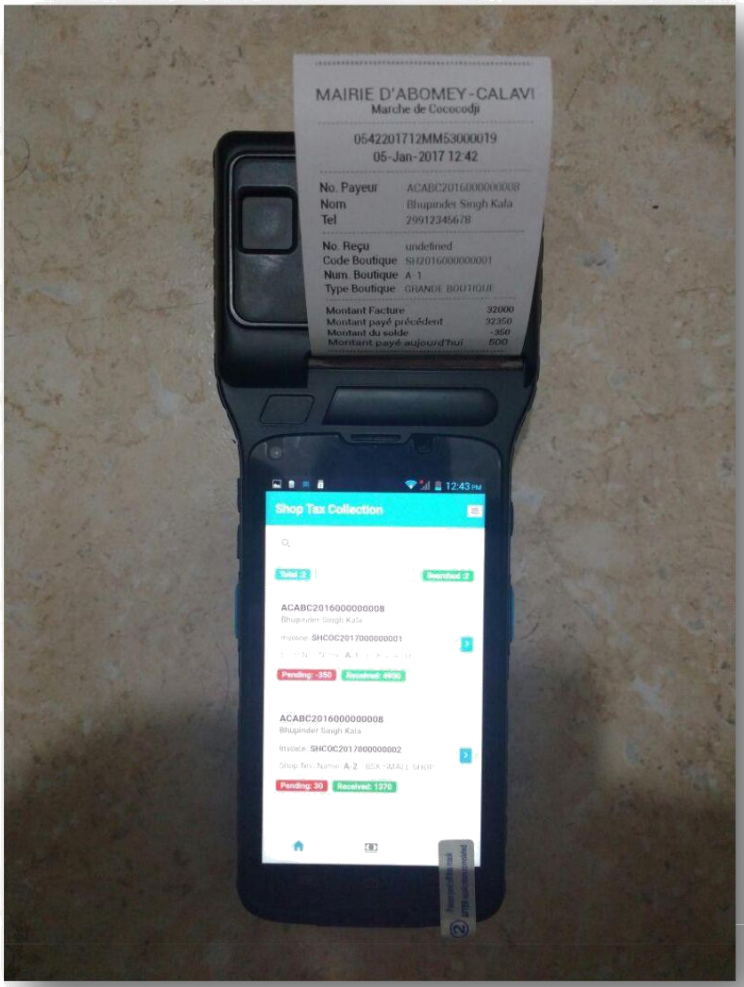
PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

Control Center



PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

Cococodji market – Benin



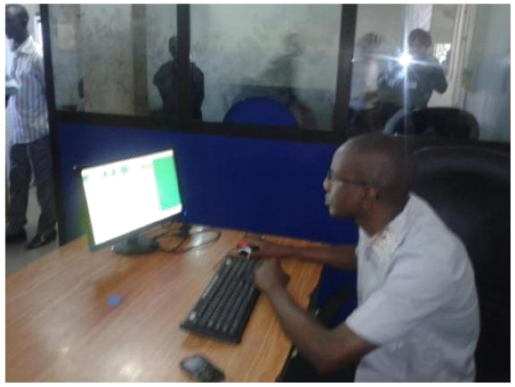
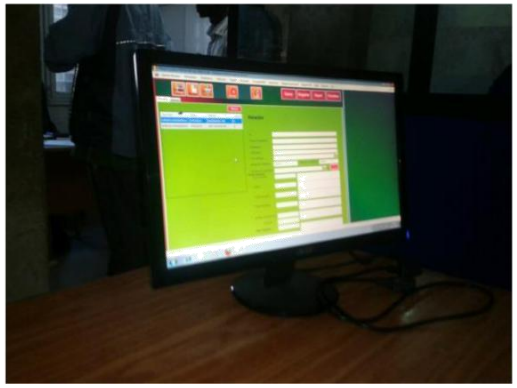
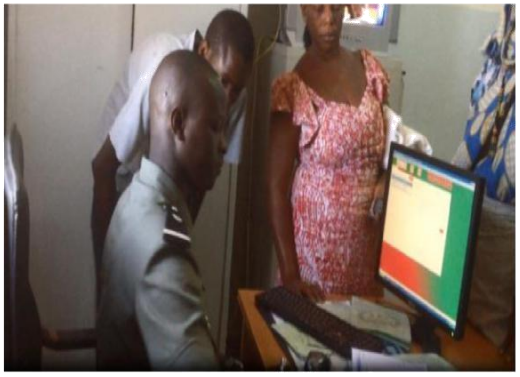
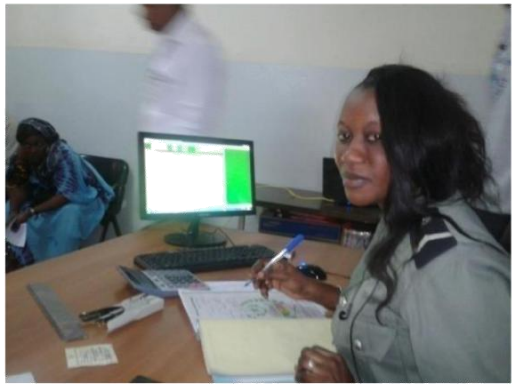
PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

Cococodji market – Benin

PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

Rosso post – Senegal



PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

DRC Congo Revenue Collation Project

DGRKOC







PROUD TECHNOLOGIES
FLEXIBLE,RELIABLE,EFFICIENT

Ghana Revenue Collection

PROUD TECHNOLOGIES

FLEXIBLE,RELIABLE,EFFICIENT

Thanking You