

Police Open Data

Tim Willoughby

Head of Digital Services and Innovation

An Garda Siochana

"A REVOLUTION
DOESN'T HAPPEN
WHEN SOCIETY ADOPTS
NEW TOOLS IT HAPPENS
WHEN SOCIETY ADOPTS
NEW BEHAVIORS."

- CLAY SHIRKY, US NOW

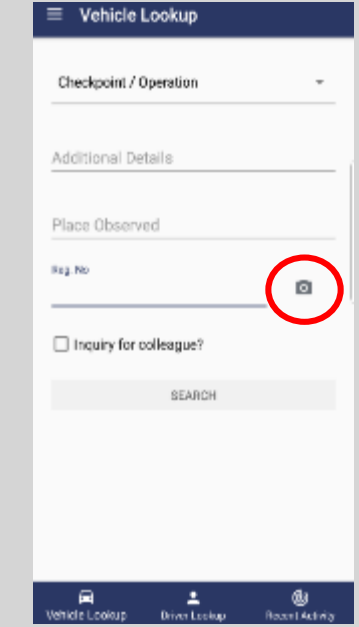
An expert is someone who
knows some of the worst
mistakes that can be made
in his subject, and how to
avoid them.

Werner Heisenberg



Digital Transformation is the balance between what is desirable and what is achievable

By TIM WILLOUGHBY





WHO ARE WE



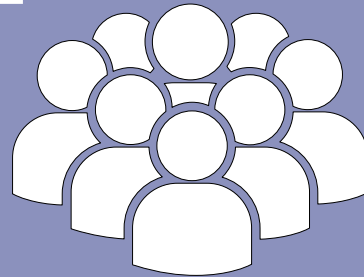
16,000+
STAFF



560
STATIONS



96
DISTRICTS



600 VM
1400 Servers

8000 Desktops
1500 Mobiles

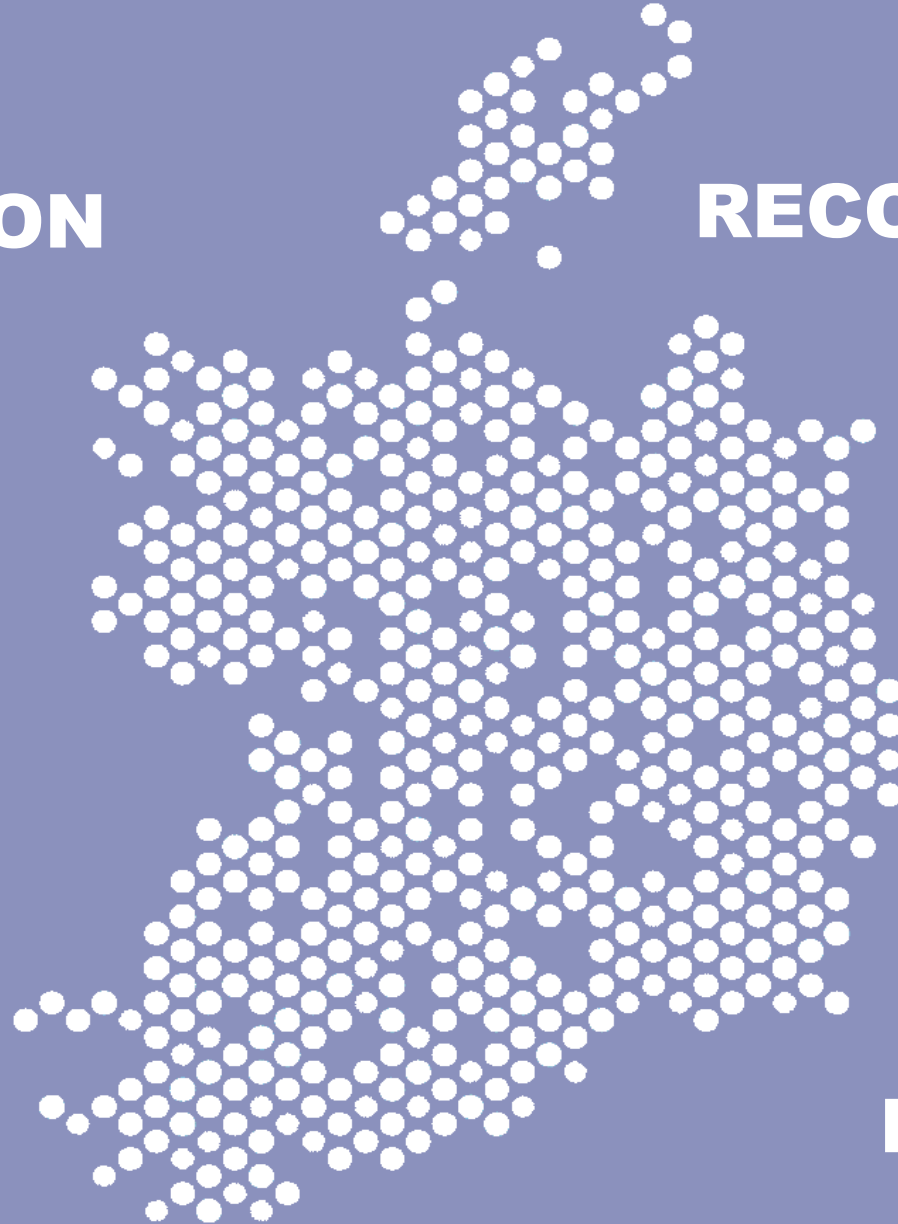


ANNUALLY SUPPORTING

13.5M
CAR REGISTRATION
SEARCHES

118,000
FINGERPRINT
SEARCHES

> 30M
PEOPLE PASSING
IRISH BORDERS



970,000
INCIDENTS
RECORDED IN PULSE

19.5M
TETRA CALLS

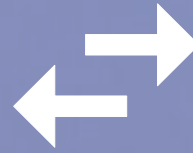
9.3M
PULSE SEARCHES

1.9M
RECORDS
EXCHANGED WITH
COURTS SERVICE

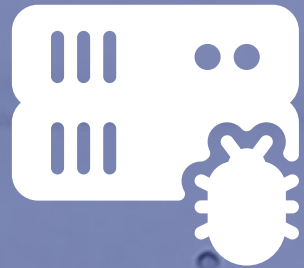
TODAYS POLICING CHALLENGES



GLOBAL



LOCAL



Cyber Crime



Safety/
Transparency



Tech Savvy
Communities



Data Trust
(GDPR)



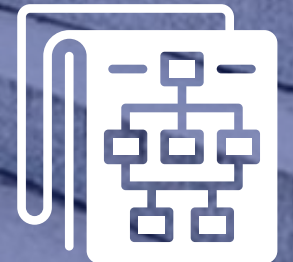
Changing
Technology
Landscape



Utilising our Data



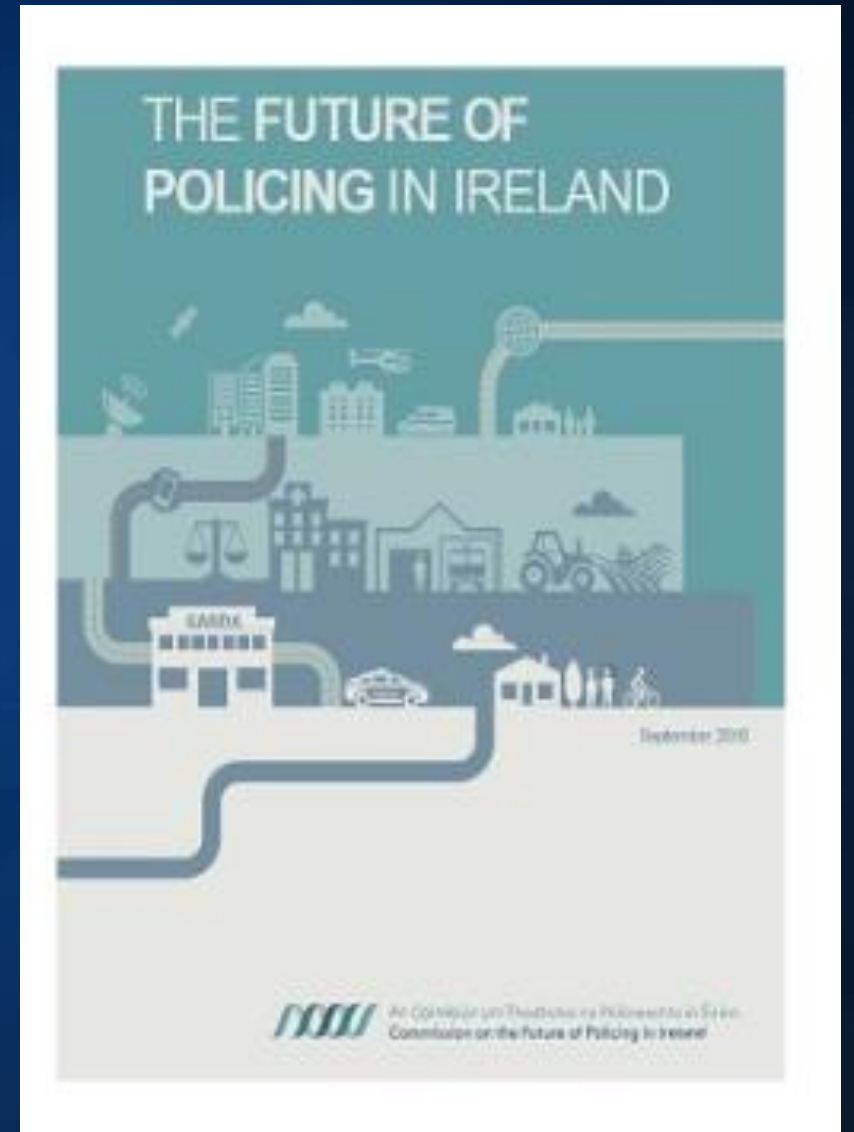
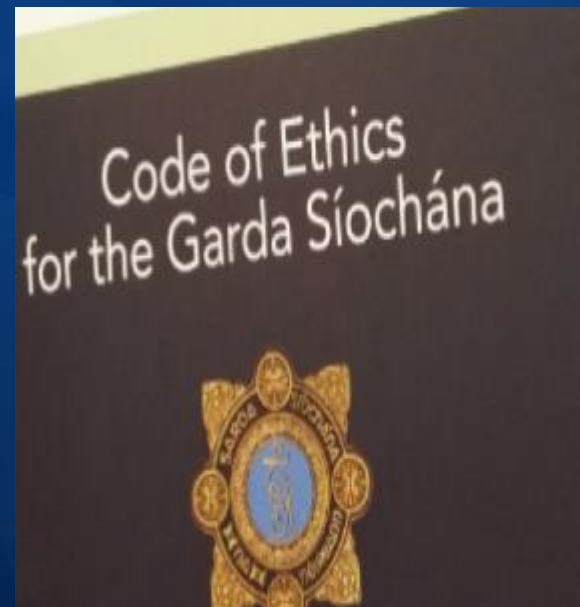
Interoperability
with other agencies



Optimisation of
Policing Practices



Trends shaping our Efforts

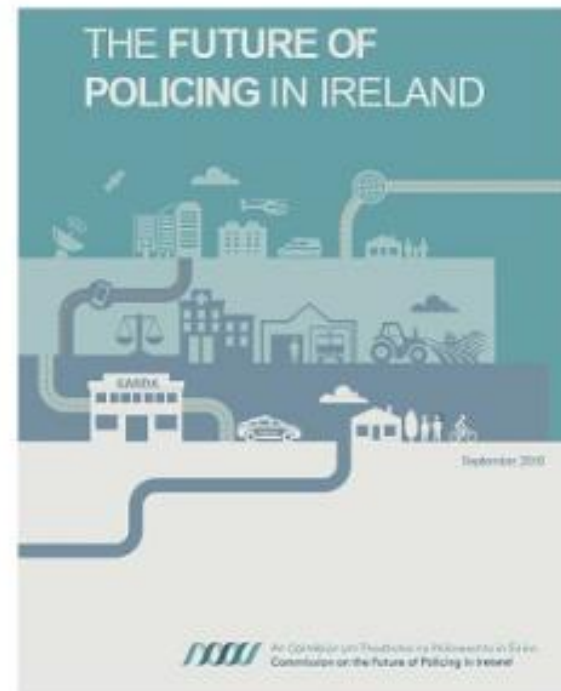


Accessible
Community Based
Transparent
Innovative
Visible
Effective

ACTIVE Design Principles

Key objectives:

- Instant and secure access to information and services regardless of location.
- Increase the time they can spend in community rather than in the station dealing with paperwork.

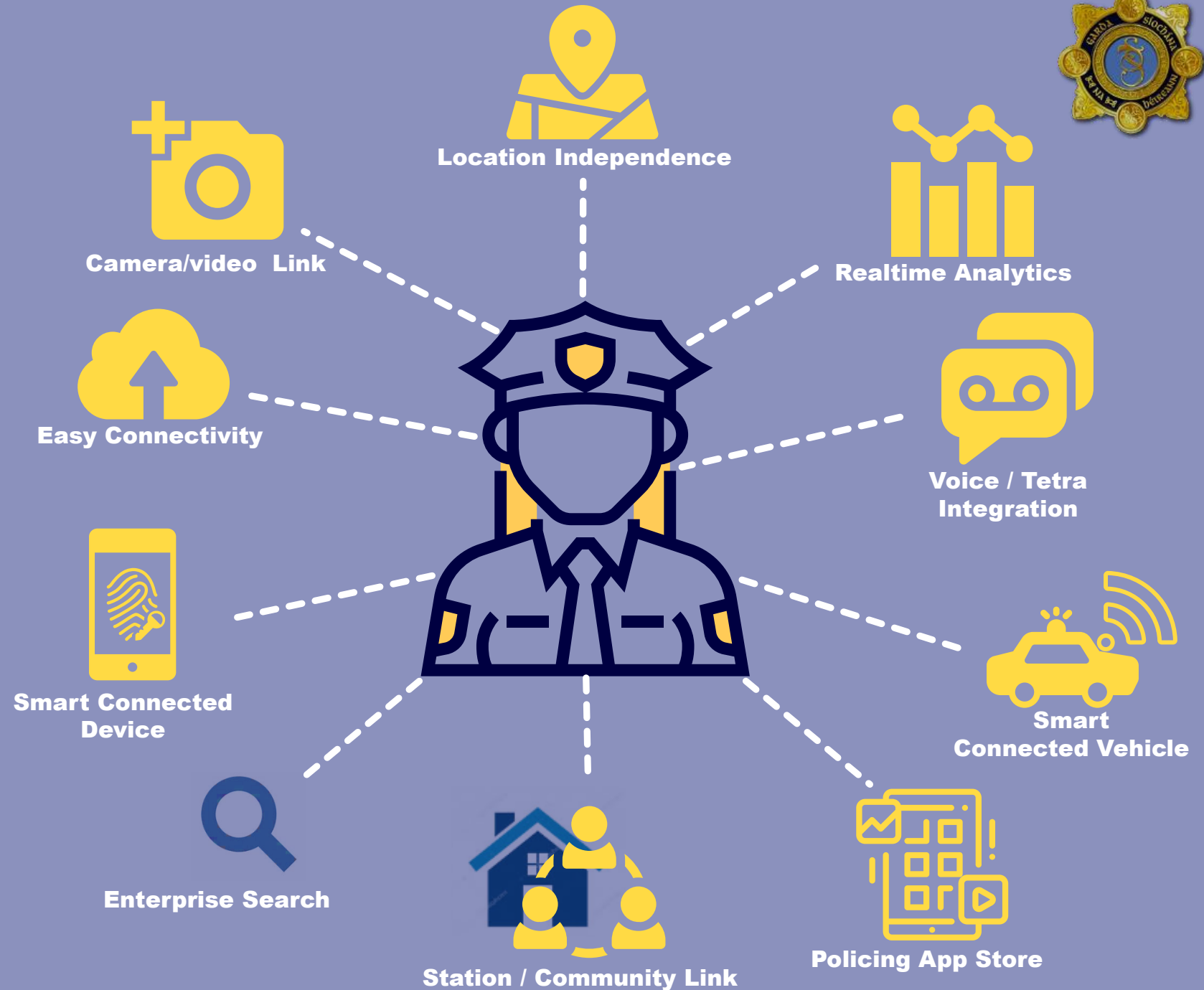


MOBILITY Vision



Bringing the Station to the Citizen!

Policing as a Service



Engagement and Agile Workshops



- Stakeholder Engagement

- RSA, Courts, DTTAS, Taxi Reg, Senior AGS, OSI, DCCAE, Insurance, ICT Industry, Telco, etc



Innovation takes Agile Thinking



Why open data

- Tell our story
- Improve trust with the community
- Share Information
- Engage with citizens
- Get ahead of FOI



The image shows a screenshot of a news article from the Irish Mirror. The article title is "Over 50,000 Irish drivers caught on their phones while driving in the last two years". The sub-headline reads "Many of them were caught taking selfies or doing live-streams". The author is Aakanksha Surve, and the article was published on 10:23, 15 NOV 2018. The article has 63 shares. The main image shows a woman driving a car while looking at her smartphone.

IRISH Mirror NEWS SPORT SHOWBIZ TV & FILM LIFESTYLE GAA SOCCER RUGBY PROPERTY

9°C CLEAR LOTTO RESULTS ENTERTAINMENT GUIDE MENTAL HEALTH BINGO HOROSCOPES CROSSWORDS BUYS&SELL THE BACK PAGE

Over 50,000 Irish drivers caught on their phones while driving in the last two years

Many of them were caught taking selfies or doing live-streams

SHARE      63 SHARES

By **Aakanksha Surve**
10:23, 15 NOV 2018



What we currently do..

- Joint Policing Committees (JPC)
- Statistical Data through Central Statistic Office



The screenshot shows the header and navigation menu of the Central Statistics Office website. The logo on the left consists of a stylized 'CSO' symbol in orange, blue, and teal, followed by the text 'An Phríomh-Oifig Staidrimh' in teal and 'Central Statistics Office' in grey. The navigation menu is a dark teal bar with white text for 'Home', 'Statistics', 'Databases', 'Methods', 'About Us', and 'Census'. Below the menu, a breadcrumb trail reads 'YOU ARE HERE: [HOME](#) / [STATISTICS](#) / RECORDED CRIME Q2 2018'. The main heading 'Recorded Crime Q2 2018' is displayed in bold black text.

An Phríomh-Oifig Staidrimh Central Statistics Office

Home Statistics Databases Methods About Us Census

YOU ARE HERE: [HOME](#) / [STATISTICS](#) / RECORDED CRIME Q2 2018

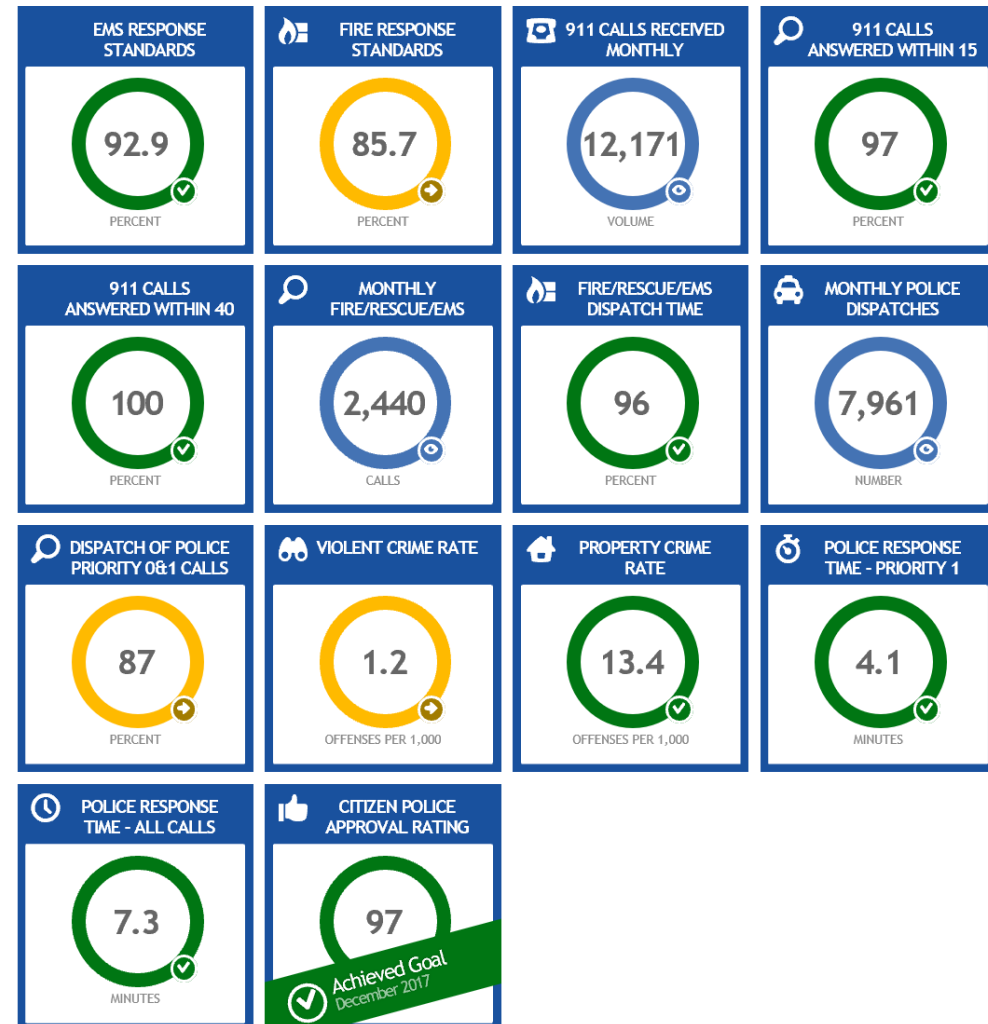
Recorded Crime Q2 2018

What could we do?

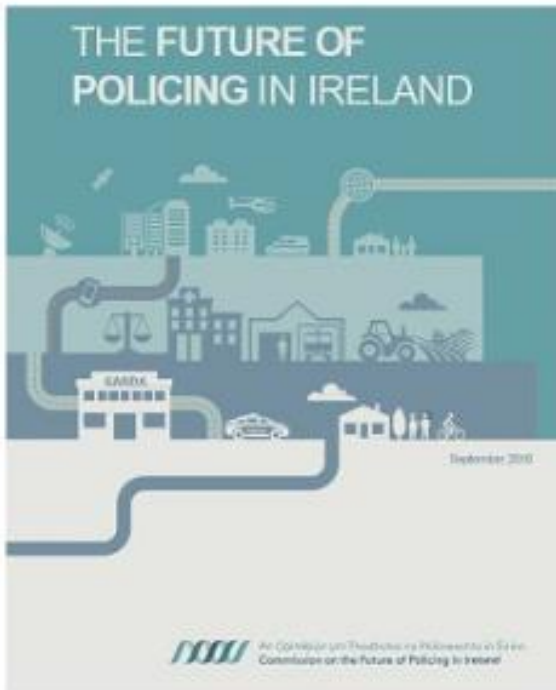


Quality Data Capture

The City of Plano's Public Safety Dashboard is designed to report to citizens the performance of all the departments that make the City safe.



What do we have to do?



EMPOWERING PUBLIC ENGAGEMENT

8. As noted in our earlier chapter about district policing, district police should be in close communication with their communities. Transparency is important for building public trust, developing an accurate picture of problems in the district and addressing people's fear of crime. It also helps police and communities to work together to find solutions to public safety and crime challenges. **An Garda Síochána should produce regular, and eventually real-time, open data feeds to the public.** Most modern policing services are now doing this. The open data feeds should be published on a user friendly Garda website, from which the public can download data pertaining to national or local crime and safety incidents and trends, or developments in their own districts as they wish.

13. **A real-time crime and safety centre (CSC) should be deployed at An Garda Síochána headquarters.** This CSC should integrate CAD information and data feeds from sources such as closed-circuit television systems (CCTV), traffic cameras, body cameras, and other digital information feeds into one digital dashboard, to provide senior leadership with real time awareness of the location and condition of all An Garda Síochána assets and resources.

What are others doing?

DATA.POLICE.UK

Home Data API Changelog Contact About

Have your say on the future police.uk website

The Home Office is running research to find out how you currently access policing information and how these could be improved. See <https://www.police.uk/news/have-your-say-future-policeuk-website>



POLICE DATA INITIATIVE

HOME DATA & AGENCIES JOIN THE INITIATIVE RESOURCES FAQ ABOUT CONTACT

The **Police Data Initiative** promotes the use of open data to encourage joint problem solving, innovation, enhanced understanding, and accountability between communities and the law enforcement agencies that serve them.

This site provides a consolidated and interactive listing of open and soon-to-be-opened data sets that more than 130 local law enforcement agencies have identified as important to their communities, and provides critical and timely resources, including

Participating Agencies

Explore the Data

POLICE FOUNDATION

Seattle Police Department

Carmen Best, Chief of Police

Home / Information & Data / Crime Dashboard

Need Help? Information & Data Community Policing About Us

Crime Dashboard

Public Data Sets

SeaStat

Online Crime Maps

Map FAQ

Calls for Service Dashboard

Crime Dashboard

How to use the Dashboard

Methodology

Crisis Contacts

Crisis Contact Dashboard



Year: 2018 Precinct: All Neighborhood: All Beat: All Council District: All Crime Group: All Crime Category: All Crime Description: All Select A Map: Neighborhood

Precinct(s): All MCPP(s): All
Crime Category: All Crime Description: All

Crime Group	Crime Category	2018
Person Crime	Homicide	27
	Rape	223
	Robbery	1,473
	Aggravated Assault	2,405
	Total	4,128
Property Crime	Arson	87
	Burglary	6,902
	Larceny-Theft	23,004
	Motor Vehicle Theft	3,426
Total	33,419	

2018 Crime Data by Neighborhood Map





Search addresses, eircodes, layers, coordinates ...

Share

Data Catalogue

- Enterprise Industrial Estates, Gal... **i**
- Fire Stations, Roscommon Count... **i**
- Garda Districts, An Garda Síoch... **i**
- Garda Divisions, An Garda Síoch... **i**
- Garda Regions, An Garda Síoch... **i**
- Garda Stations, An Garda Síoch... **i**
- Garda Sub-Districts, An Garda Si... **i**
- Libraries, Cork County Council **i**

Selection

Close Menu



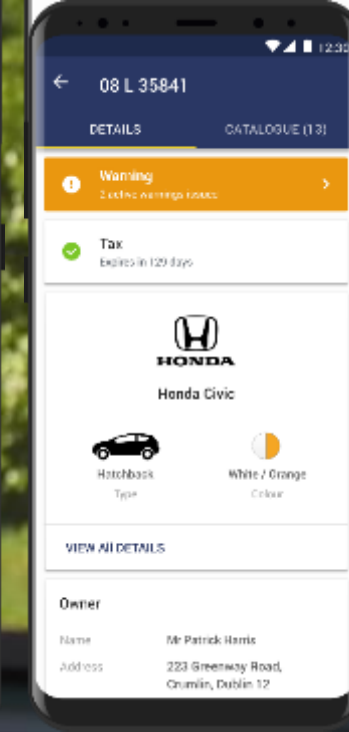
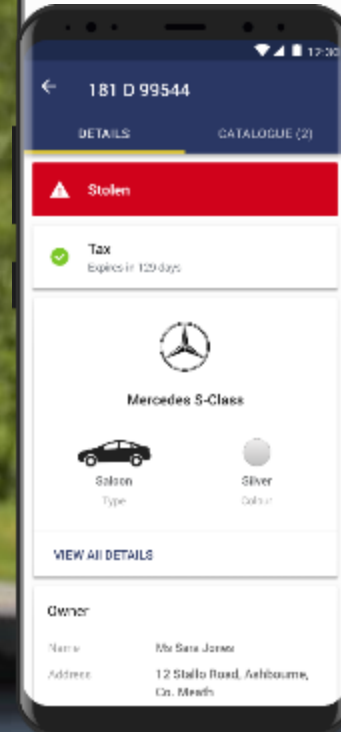
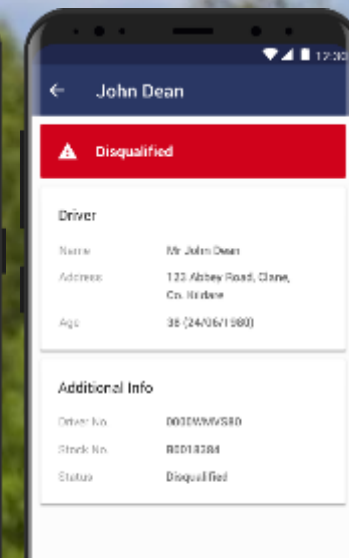
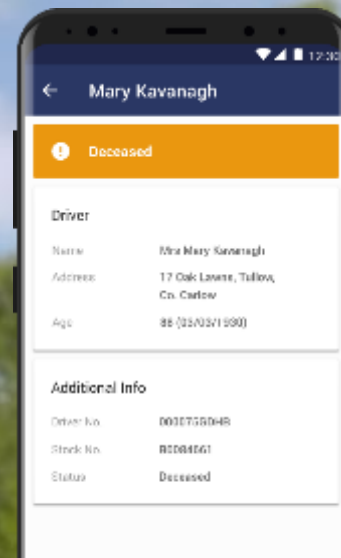
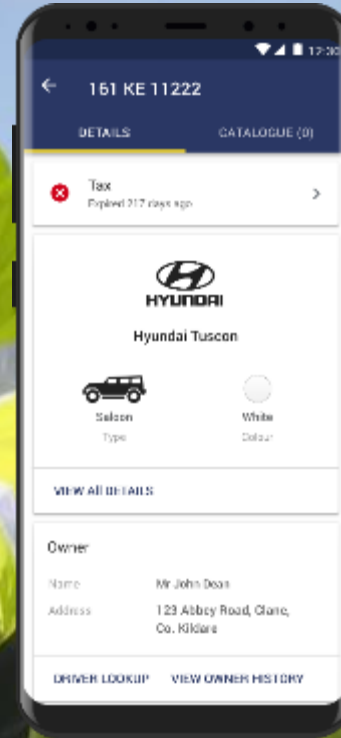
- Population Statistics
- Census 1901 & 1911 in Townlan... **i**
 - Crime Rates 2014 per Population... **i**
 - Crime Rates 2015 per Population... **i**
 - Crime Rates 2016 per Population... **i**
 - Education, Census 2011, AIRO **i**
 - Industry of Employment, Census... **i**

The vision for roads policing in Ireland

These guiding principles will allow us to deliver a leading practice roads policing experience and achieve our overall purpose of creating safer roads

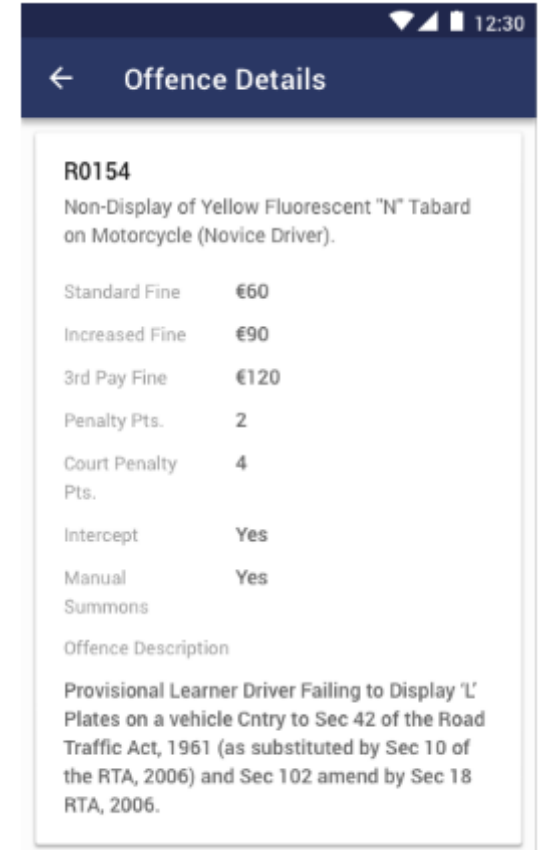
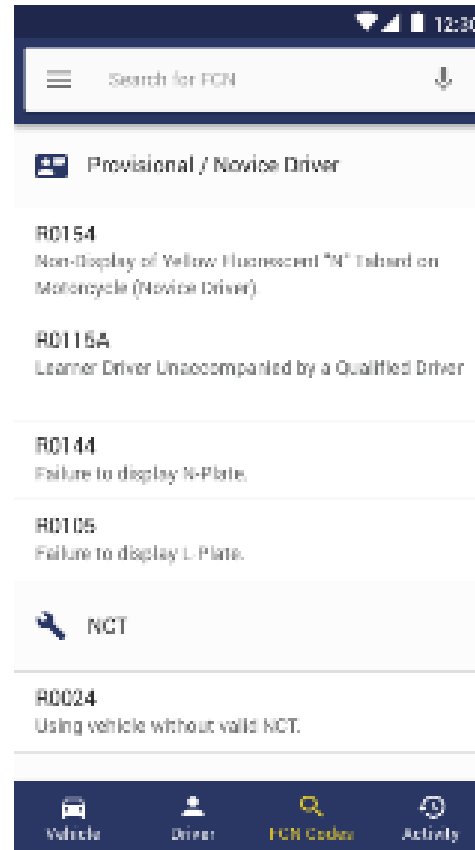


The Pilot Traffic App



NOTE: All personal data displayed above is fictional.

Scan and Look up...



← Offence Details

R0154

Non-Display of Yellow Fluorescent "N" Tabard on Motorcycle (Novice Driver).

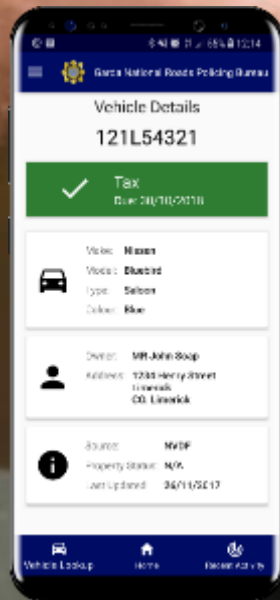
Standard Fine	€60
Increased Fine	€90
3rd Pay Fine	€120
Penalty Pts.	2
Court Penalty Pts.	4
Intercept	Yes
Manual Summons	Yes

Offence Description

Provisional Learner Driver Failing to Display 'L' Plates on a vehicle Cntry to Sec 42 of the Road Traffic Act, 1961 (as substituted by Sec 10 of the RTA, 2006) and Sec 102 amend by Sec 18 RTA, 2006.

The Device “Mobile Data Station”

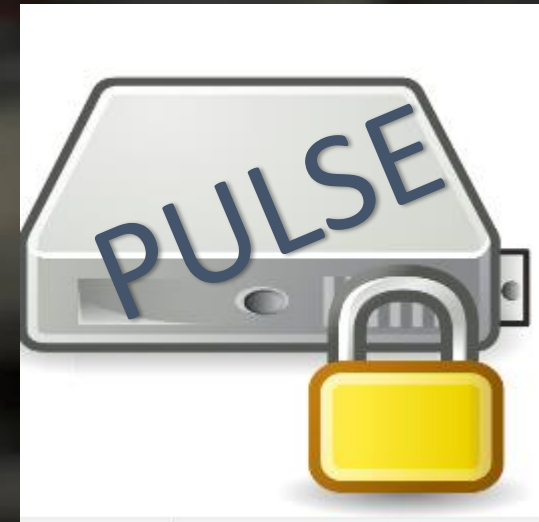
All pilot participants received training on data protection in a mobile context and are asked to sign updated acceptable use policies before they are given their Mobile Data Station to evaluate as part of the pilot.



Encrypted, fully managed mobile device



Read-Only access to PULSE over secure network link



All data look-ups fully audited in PULSE

Results so far

- Increased ability detect non-compliance with Road Traffic Laws
 - Motor Tax
 - Driver License Status
- Integrated with in-vehicle telematics enabling better vehicle health tracking



An Garda Síochána @Gard... · 6m
ACTIVE Mobility. ACTIVE is shorthand for Accessible, Community Based, Transparent, Innovative, Visible, Effective. Limerick Traffic Corps on the Dock Road using the new phone App.



Limerick RPU: Driver detected driving at 100km in 60km zone. Something didn't seem right and our new Mobility App gave us the answers at the roadside in seconds. Car seized and court to follow.



Limerick Roads Policing Unit - Driver stopped and questioned about expired Tax. Not in possession of Drivers licence. Checked on Garda Mobility App and showed disqualified for 2yrs. Vehicle seized and court date to follow.



12:10 AM · 17 Aug 2018





Connection status



U1MNE



No hotlist match

ANPR

28/06/2018 - 15:46:27



ACKNOWLEDGE

Untax



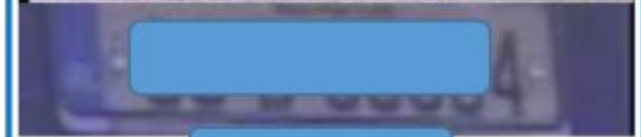
ACKNOWLEDGE

Untax



Untax

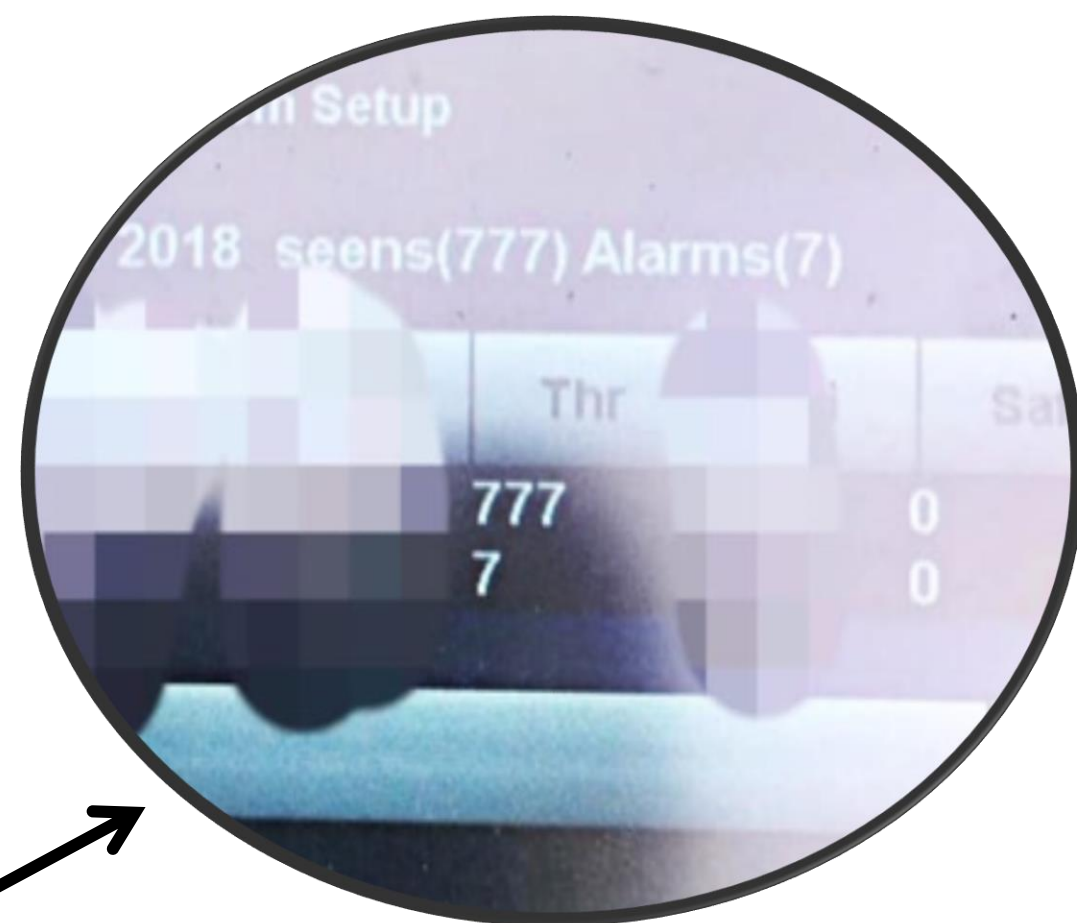
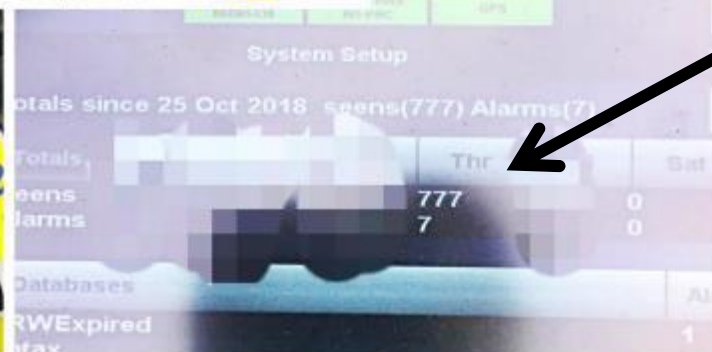
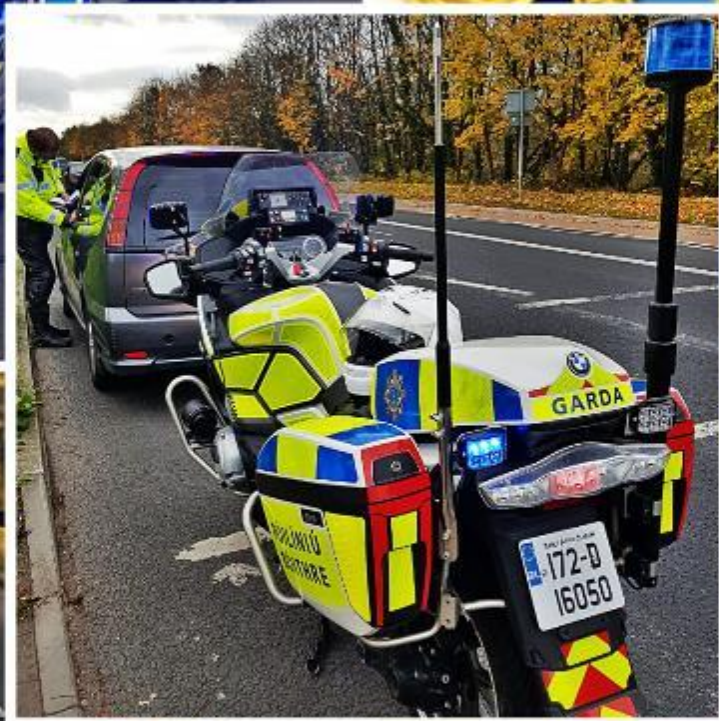
FORD
FOCUS
BLACK



Untax

ANPR

28/06/2018 - 15:44:58



System Setup

Totals since 25 Oct 2018 seens(777) Alarms(7)

Totals	Thr	Sat
seens	777	0
alarms	7	0

System Setup

2018 seens(777) Alarms(7)

Thr	Sat
777	0
7	0



182-D-10083

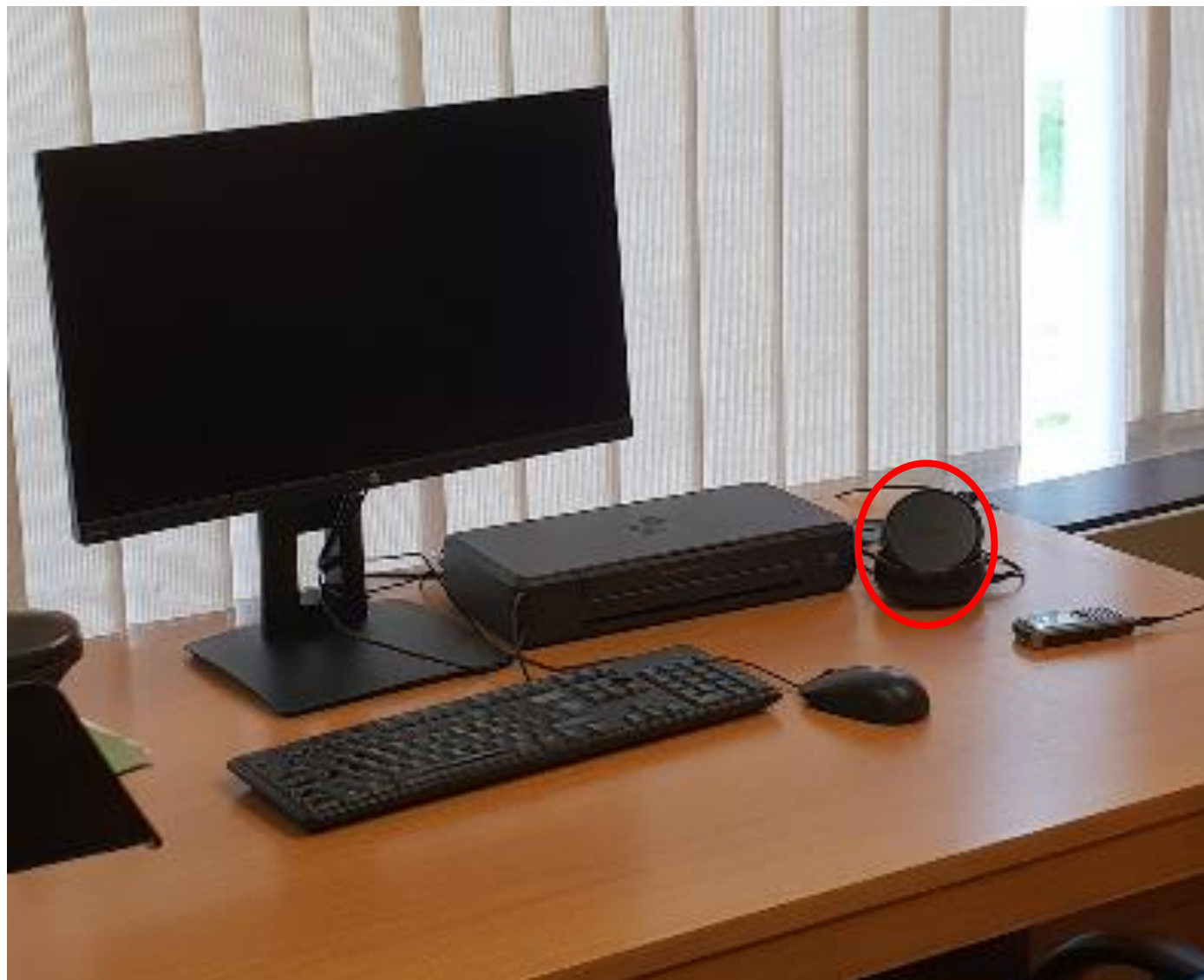
182-D-1016

182-D-10568

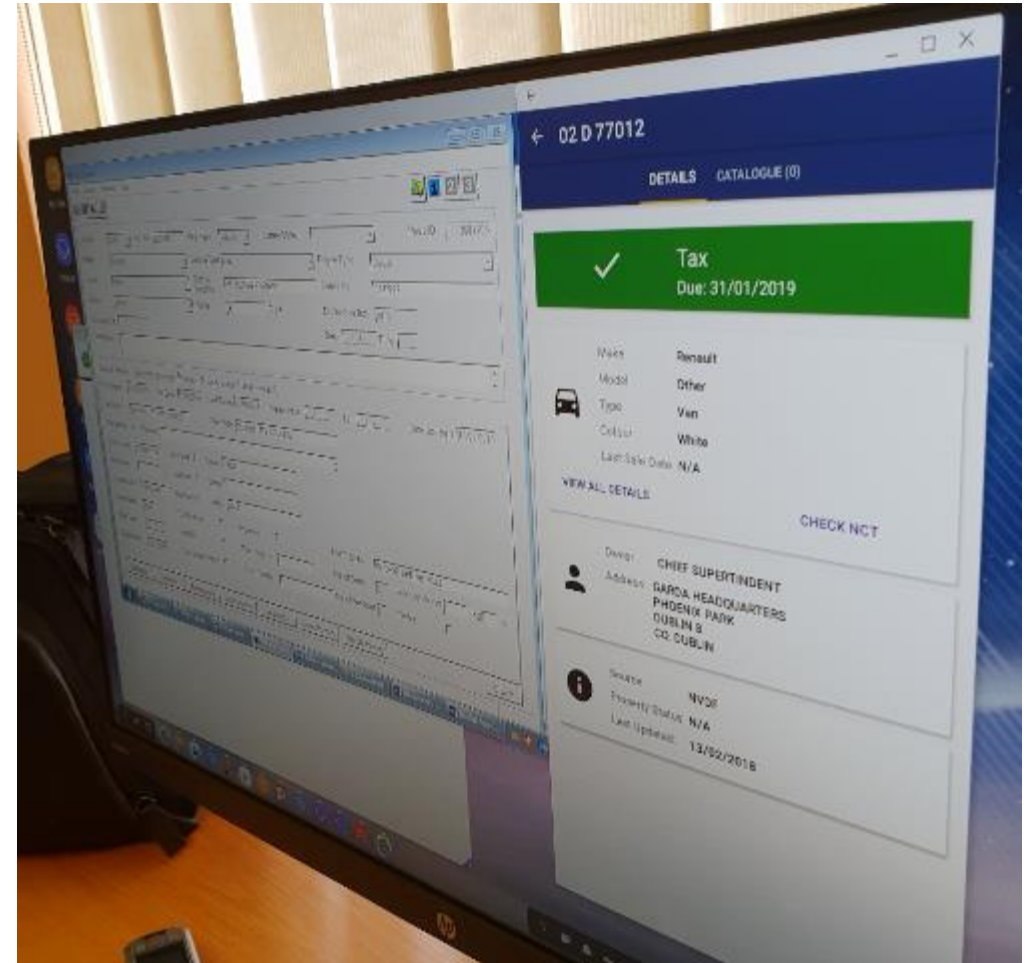
Non Networked Station



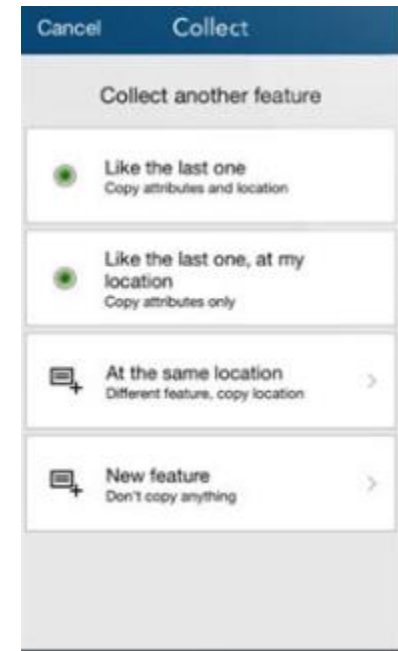
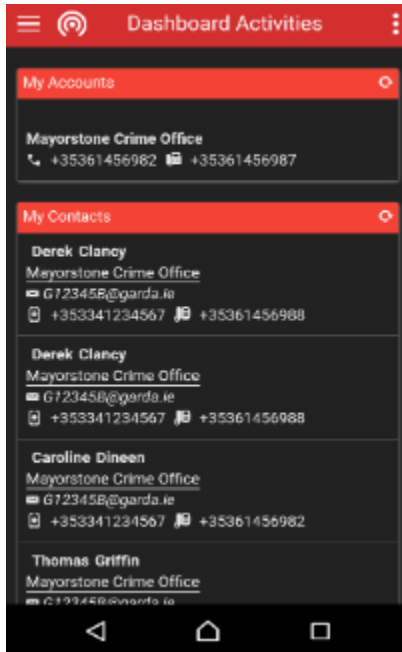
New Setup in the Station - DEX



PULSE and Mobile app running on the Desktop.



Contacts App



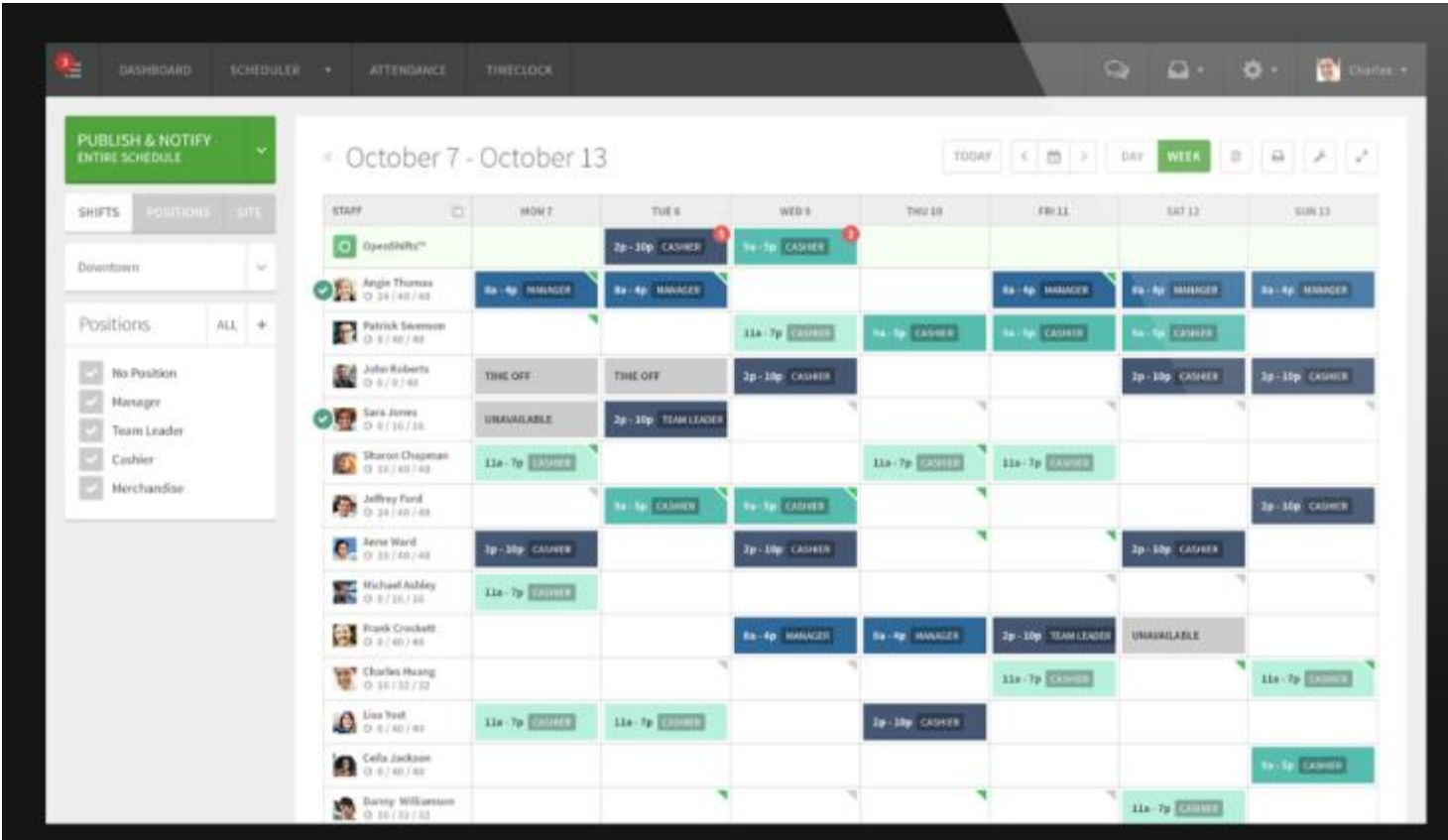
CRM

Enterprise Search

Mapping

Forms

Roster and Duty Management



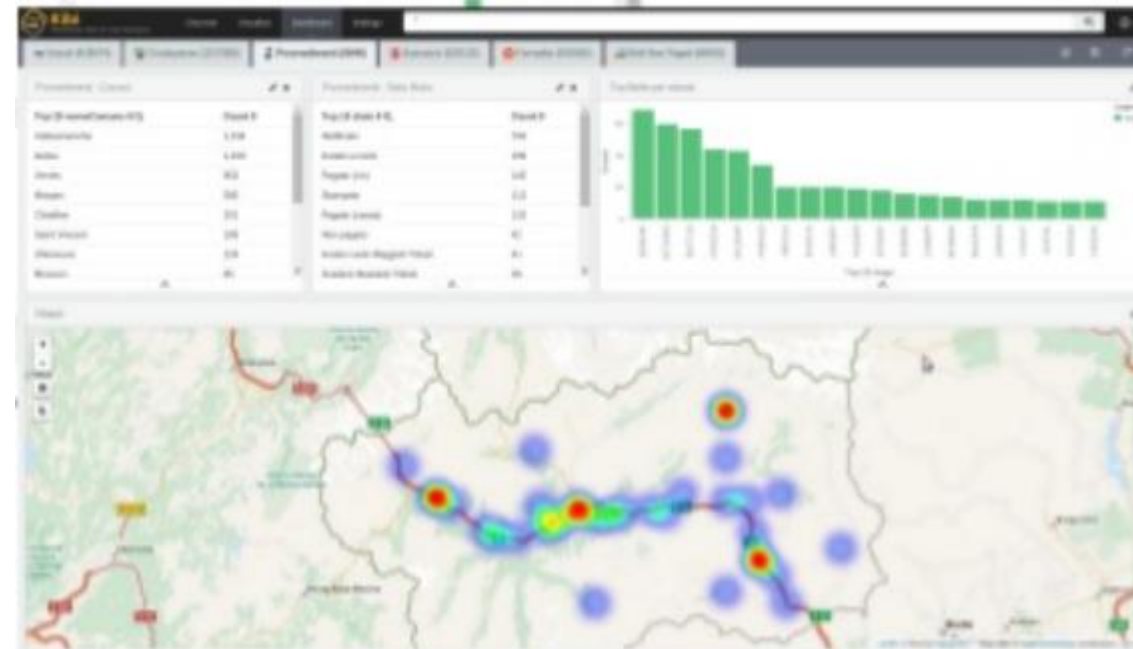
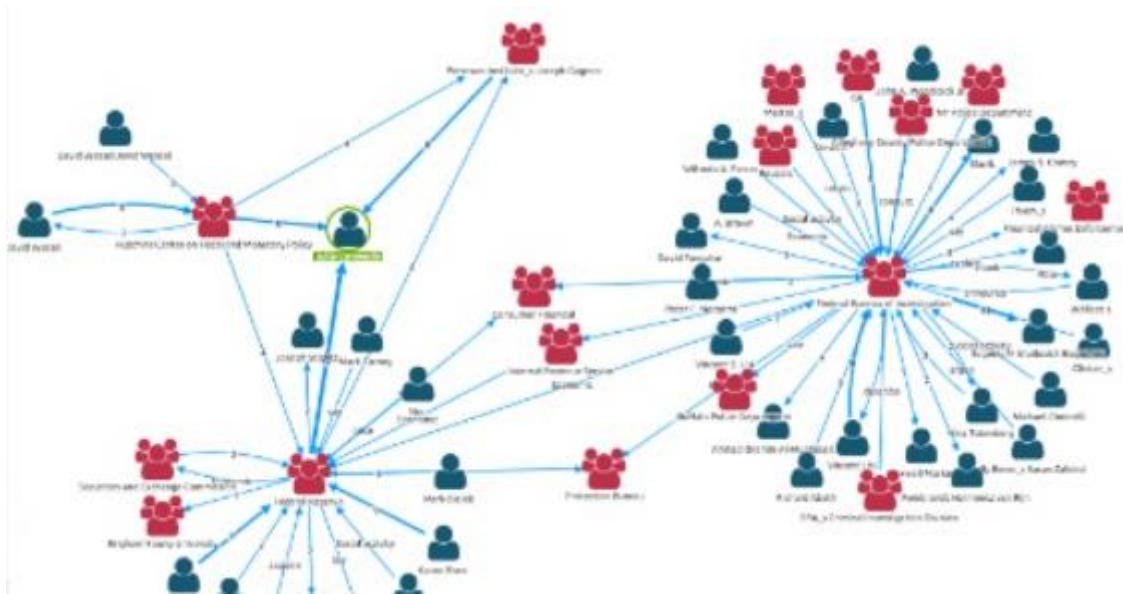
Portal on the Mobile

The image displays five sequential screenshots of the An Garda Síochána Portal on a mobile device. Each screenshot shows a dark blue header with the text "An Garda Síochána Portal" and a hamburger menu icon. The browser address bar shows "agsportalpamt2/Pages".

- Latest Documents:** A vertical list of document thumbnails with titles such as "002 Latest", "My New Test Document 3", "My New Test Document 2", "My New Test Document 1", ".PHIL.pdf", "DNA Destruction or Retention PD 21062017", and "HelpContactSearch.pdf".
- My Most Wanted:** A section titled "My Most Wanted" with a sub-header "The results below have been filtered specifically for your own District." It features a profile card for "Joe Bloggs Wanted by Coolock Gardaí" with a partially obscured photo.
- My Local Bulletins:** A section titled "My Local Bulletins" with a sub-header "The results below have been filtered specifically for your own Division." It shows two bulletin cards, both titled "D.M.R. Northern-0003-2018" and "D.M.R. Northern-0002-2018", each with a document icon and an "OPEN" button.
- Missing Persons:** A section titled "Missing Persons" featuring a profile card for "Mr Eva Uibika" with a partially obscured photo. Below the photo, it states "Date Missing 24/10/2018".
- HQ Directives:** A section titled "HQ Directives" showing two directive cards. The first is titled "999/2018" and describes "Selection of Superintendents for Appointment to the Rank of Chief Superintendent, 2018" with an "OPEN" button. The second is titled "072/2017" and describes "An Garda Síochána Occupational Health and Safety Policy Statement." with an "OPEN" button.

Enterprise Search

- Search–
- Based on Traffic Fines System / Accidents
- Dashboard – Map of the Country – All of the Traffic Divisions
- Search for People / Penalties / Whats New, etc



Recognised by ICT Industry for innovative approach and solution



Next Steps

- Today
 - 50 devices
 - Traffic and Contacts App... MVP+
- Next 3 years
 - Continuously evaluate benefits of Mobility in policing with our stakeholders
 - Focus on Garda of Today
 - Don't get blinded by the bright lights of Cop of the Future...

