



Western Australia Police Force boosts officer and community safety with world-first Apple CarPlay integrated ANPR solution

Western Australia (WA) Police Force provides statewide front-line services, such as emergency response, law enforcement, and crime prevention, with a visible police presence in the community to keep residents safe and secure.

With a workforce of nearly 9,000, the force is responsible for the world's largest policing jurisdiction, stretching across 2.5 million square kilometres and encompassing more than 150 police stations in 15 policing districts. The force is committed to innovation and new technologies to drive a faster, smarter police service and improve community and frontline officer safety.



Customer

Western Australia Police Force
(WA Police Force)

Industry

Public sector: law enforcement

Solutions

- Field Response and Reporting Mobility Application (branded OneForce Core for the WA Police)
- Automatic number plate recognition (ANPR) system
- Apple CarPlay/Android Auto

Field Response and Reporting Mobility Application

Motorola Solutions is a long-time partner of WA Police Force and provides a range of hardware and software solutions to the force, including the Field Response and Reporting Mobility Application. The mobility app was first deployed in 2021 and has now been installed across WA Police Force's fleet of more than 6,000 mobile devices. It is a well-established frontline mobility solution that provides first responders with real-time information, tools, and communication capabilities. Natively built for iOS devices and available for Android, it is designed to enhance operational agility and streamline workflows. It integrates critical operational information from multiple database systems, such as the force's RMS (Records Management System) and Motorola Solutions' PremierOne CAD (Computer-Aided Dispatch), presenting it through a single, intuitive interface on officers' mobile devices. This enables faster access to information about offenders, people and vehicles of interest when officers are responding to calls for service and critical incidents, and it allows officers to complete reports in the field without having to return to the station.

The mobility app's integration with Motorola Solutions' PremierOne CAD has improved communication between officers in the field and dispatch to enhance the force's emergency response by improving situational awareness, response times, and resource allocation. As an organisation that invests millions in R&D annually, Motorola Solutions understood the value of integrating its mobility and ANPR solution with patrol vehicles' media units and audio systems via Apple CarPlay. This enables officers to operate hands-free, utilising the mobility app via Siri voice control, which keeps their focus on the road and the situations going on around them.

The Field Response and Reporting Mobility Application is an innovative and flexible frontline mobility solution that is a key component of WA Police Force's digital policing strategy to leverage technology to improve productivity, incident awareness, and safety for communities and officers.

It is the world's first public safety application with native Apple CarPlay integration, enabling safer, hands-free access to operational policing data.

Challenge

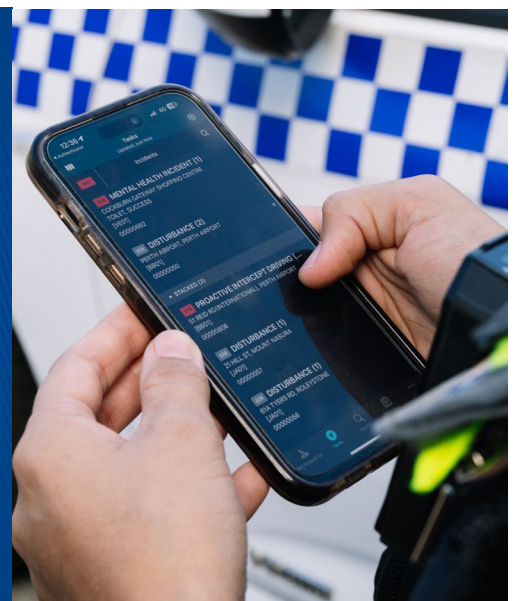
WA Police Force officers had been using an ANPR application installed on mobile tablets fitted with brackets into the console of their patrol cars, with the application only accessible in their vehicles. The tablet would play a tone, which would vary according to the associated risk level, to notify when the ANPR system had identified a wanted vehicle. As the ANPR system was not integrated with the force's core systems and used a static list to identify wanted vehicles, officers would need to retype the number plate into the mobility app before an intercept, to confirm if a vehicle was still wanted. Officers would then update their status in the CAD database to 'Traffic Stop', recording their location and vehicle details.

These manual administrative tasks using multiple screens and logon interfaces caused a duplication of effort, wasting valuable minutes and affected officer's situational awareness, potentially causing unnecessary or dangerous intercepts.

Motorola Solutions worked with WA Police on this joint-initiative, integrating ANPR capability into its mobility app with Apple CarPlay enablement to create a simple, intuitive, and safer operational workflow.

“Having immediate and precise access to hands-free ANPR data helps our frontline officers work more quickly, safely, and efficiently, and increases their awareness of potential risks on our roads while improving their decision-making. They can handle and document incidents faster and more accurately. This contributes to greater safety for all road-users and frees up officers' time for proactive work in our communities, while supporting high-visibility frontline policing throughout the huge geographical area we police.”

**Superintendent Dean Snashall, Technology Portfolio,
Western Australia Police Force**



Solution

Motorola Solutions has worked alongside WA Police to integrate its ANPR solution into the mobility app (and consequently also into the force's RMS and CAD system). In January 2025 this was deployed in over 80 vehicles across the state. Now, instead of officers having to recall the different tablet tones when they are on patrol, real-time alerts and voice announcements are triggered on Apple CarPlay units when ANPR systems detect vehicles of interest. They hear a read-out of the vehicle's reason for being wanted, such as it being unregistered, stolen or linked to a crime, and general details over their vehicle's audio system. One tap, either on their mobile phone or on their in-vehicle media units, enables a live database search for the vehicle to confirm if it is still wanted before intercepting it. This reduces unnecessary and potentially dangerous vehicle intercepts. Once an officer intercepts a wanted vehicle, a final tap updates their unit status in CAD to 'Traffic Stop', and the application automatically records their location and the vehicle details. As their mobile devices are connected via Wi-Fi to the vehicle's ANPR unit, officers can monitor and respond to ANPR-wanted vehicles when working outside their vehicles.

WA Police Force's integrated ANPR system helps to:

Locate vehicles of interest: such as those associated with crimes, used in robberies, abductions, or driven by criminals

Identify vehicle movements: capture the movements of specified vehicles to establish connections between different crime scenes and assist with investigations

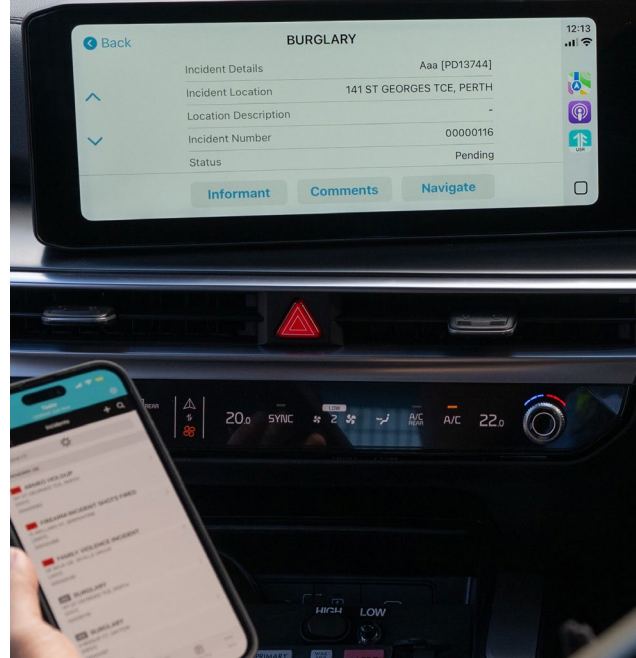
Locate missing persons: find vehicles associated with missing persons and their movements

Identify suspects: pick out vehicles that were present at a crime scene, which can lead to the identification of potential suspects or witnesses.

Detect uninsured vehicles: identify unregistered vehicles and unlicensed drivers to keep the roads safer

Benefits

Western Australian police officers are now the first in the world to have faster and easier access to ANPR technology via built-in Apple CarPlay systems. The solution saves significant time, eliminates the risk of human error, and boosts officer efficiency, situational awareness, and driving safety. As one officer comments: **"Our new Mobility App ANPR solution integrated with Apple CarPlay is a game-changer. We receive alerts directly on our phones and our in-vehicle displays. With one tap, we can check our live vehicle database to see if the vehicle is still wanted. The solution is intuitive and easy to use, and with all the information on hand, we can quickly choose the best course of action."** Indeed, this integration helps ensure that the force's officers have access to all the live, relevant information they need when serving their communities.



Benefits

- A key component of the WA Police Force's digital policing strategy
- Easy-to-use, integrated ANPR solution saves valuable time and enables teams to make quicker, more informed decisions
- Integration with Records and CAD Dispatch systems enables officers to respond to alerts associated with stolen and unregistered vehicles quickly, support investigative leads, and identify vehicles of interest statewide
- Hands-free operation allows officers to keep their eyes on the road for improved situational awareness and safety
- Wireless integration ensures all officers, working inside or outside their vehicles, are immediately notified of wanted ANPR-identified vehicles
- Eliminates the need for tablets and brackets, reducing costs while increasing cabin space and safety
- Solution enables more proactive, efficient policing to improve safety for the public and officers, boosting frontline policing and community engagement
- The use of innovative technology underpins WA's strategy to be a positive and forward-thinking workplace





To learn more, visit:
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