

COPTRZ

West Midlands
POLICE



CASE STUDY

Revolutionising Aerial Surveillance and Crime Detection for West Midlands Police

About

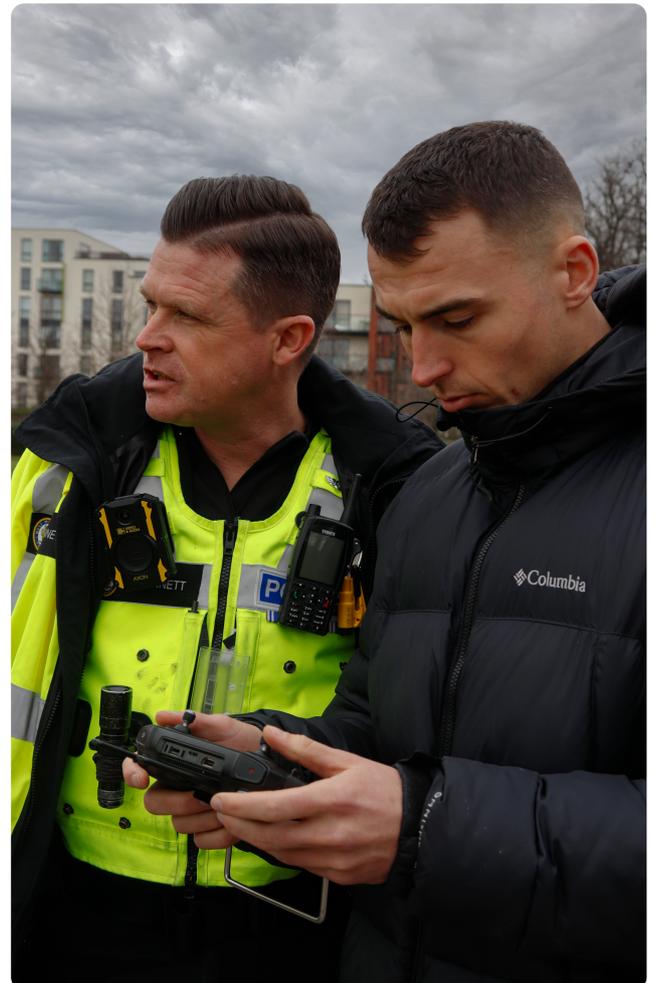
West Midlands Police is a dedicated force unwavering in its commitment to safeguarding the safety and security of their community. Boasting over 7,000 officers, West Midlands Police occupy an expansive area of 348 square miles, it ranks as the third largest police force in the UK. In an era where technology is rapidly advancing, the force remains proactive, consistently seeking out innovative solutions and tools. Their aim is to effectively pursue and apprehend criminals, offer protection to the most vulnerable members of society, and significantly reduce the prevalence of crime in the region.

Before Drones

Before the introduction of the DJI Matrice 300 RTK, West Midlands Police faced challenges in gaining aerial perspectives, especially in complex urban environments. Traditional methods lacked the flexibility and real-time data that drones could provide.

About the DJI Matrice 300 RTK

The DJI Matrice 300 RTK is a state-of-the-art drone designed for versatility and efficiency. With features like a 55-minute flight time, 3kg weight, IP45 rating, and swappable payloads, it offers unparalleled performance. Paired with the Zenmuse H20T, it provides a comprehensive solution, integrating four sensors in one, making it an invaluable asset for law enforcement agencies.



Results

The integration of the DJI Matrice 300 RTK drone, supplied by Coptrz, has been transformative. In January, the force successfully detected a large cannabis factory in Birmingham using the drone's thermal payload. This operation led to the seizure of 3,112 cannabis plants worth £3 million. The drone's capabilities have not only enhanced evidence collection but have also played a pivotal role in apprehending suspects and ensuring public safety.



Key Achievements

01

Rapid Detection

The drone's thermal imaging capabilities led to the discovery of a cannabis factory in Birmingham, resulting in the seizure of plants worth £3 million.

02

24/7 Support

Sgt. Bennett's drone team offers round-the-clock support across all departments, ensuring an always-ready response to incidents requiring aerial surveillance.

03

Evidence-Based Policing

The drone has enabled officers to locate evidence in hard-to-reach areas, such as a knife found in guttering, which would have been impossible to detect from the ground.

04

Events & Crowd Control

The drone has been instrumental in managing large events, providing aerial perspectives during sporting events, and assisting ground officers in real-time.

Building the Drone Team

The drone project, initiated in 2017, began with a single drone and a visionary individual. Since then, it has expanded to a team of 46 pilots operating 15 aircraft, including the DJI Mavic 2 Enterprise Advanced and DJI Matrice 300 RTK. This growth is a testament to the force's commitment to leveraging technology for public safety.

Breaking Down Barriers

West Midlands Police prioritise building trust within their communities. By showcasing their drone technology and its benefits, they aim to foster a stronger connection with citizens. Sgt. Bennett emphasises the importance of community engagement, stating, "**Anywhere we can go and tell the public what we're doing and show them the technology really improves the legitimacy of our programme.**"