Search and Rescue

1000+ people saved

From drone enhanced SAR operations globally*

AT A GLANCE

DETAILS

Company: Leicestershire Search and Rescue
Location: United Kingdom
Industry: SAR
Activity Type: Surveillance, Thermal Imaging

BENEFITS

- Faster response and rescue time
- Increased safety for volunteers by preventing them from entering unknown sights before surveying
- Cost savings and less volunteer dependent

"The organisation has been operational for over 10 years and has earned the Queen's Award for Voluntary Service, the highest honour for volunteer groups in the UK. This recognition reflects their exceptional commitment to serving the community."

ISSUE

Leicestershire Search and Rescue (Leicestershire SAR) is a volunteer group aiding Leicestershire Police across 965 square miles. In 2020, volunteers spent over 8,000 hours on 246 events. Traditional search methods were slow and risky, especially in tough conditions like darkness or dense terrain, often taking hours or days to find missing persons, increasing risks for both the missing and the rescue teams.

SOLUTION

Leicestershire SAR intergrated a drone to enhance search operations. With a high-resolution camera and thermal imaging, the drone quickly conducted aerial surveillance, detecting heat signatures in low visibility, like at night or through dense foliage. It provided real-time data, improving situational awareness and identifying hazards before teams entered, making it a crucial tool in diverse terrains and rescue missions.

BENEFITS

Cost Savings

The drone's effectiveness in quickly locating missing persons allowed the team to use fewer resources, making operations more efficient and enabling volunteers to be stood down more quickly.

Improved Safety

The drone provided a clear, real-time view of the terrain, identifying potential hazards and ensuring that rescue teams could approach dangerous areas with caution, thereby reducing the risk to team members.

Efficiency

The thermal imaging capability of the drone allowed for the detection of missing persons in challenging environments, such as at night or in areas with dense foliage, where traditional search methods would struggle.

*According to DJI

COPTRZ™

LEICESTERSHIRE SEARCH & RESCUE

ARPAS-UK The UK Drone Association