

Fire and Rescue

Life Saved

Within first 6 weeks drone enhanced missions

AT A GLANCE DETAILS

Company: Shropshire fire and Rescue services & London fire brigade

Location: United Kingdom

Industry: Emergency services

Activity Type: Aerial

Reconnaissance, Search and Rescue, Hotspot Detection, Hazard Identification.

BENEFITS

- Reduce risk to personnel by utilising drones during operations where possible.
- Saving costs by enhanced data for more accurate decision making
- Better data feed during high stakes situation

ISSUE

Traditional firefighting and rescue operations pose significant challenges. Firefighters often enter hazardous areas with limited information, increasing risks. Resource deployment is inefficient without real-time data, and slow manual information gathering delays decision-making. Large-scale incidents further expose the shortcomings of traditional methods in providing adequate oversight and information.

SOLUTION

Drones significantly enhance firefighting by offering real-time aerial views that boost safety and decision-making. For Shropshire Fire and Rescue and the London Fire Brigade, they streamline hazard assessment and resource deployment, making responses to large-scale emergencies quicker and more effective.

“On its first day in action, the team was dispatched to a 15-pump fire at a leisure centre under renovation. Tasked with confirming the presence of cylinders on the roof, they deployed the drone, which quickly identified the objects as rolls of asphalt, not hazardous cylinders. This timely information enabled the Incident Commander to avoid declaring a false alarm, preventing unnecessary resource deployment and demonstrating the drone's immediate value.”

BENEFITS



Cost Savings

Utilising real-time data to strategically allocate and manage firefighting resources, reducing unnecessary expenses.



Enhanced Safety

Identifying heat sources within structures or wildfires to reduce risks and ensure more targeted, safer firefighting efforts.



Enhanced Situational Awareness

Drones offer real-time aerial views and thermal imaging, enabling commanders to assess fire scenes, detect hotspots, track fire spread, and locate individuals trapped in smoke or debris.



Shropshire
Fire and Rescue Service

