



# Flood Management

## Live feed streamed within 6 hours of incident starting

### AT A GLANCE

#### DETAILS

**Company:** Environment Agency

**Location:** England

**Industry:** Environmental and emergency management

**Activity type:** Flood monitoring and response

#### BENEFITS

- 24/7 365 days drones response service
- £4.6 Billion estimated in averted damages

"24/7, 365 days per year drone response service, which aims to mobilise and stream a live video feed within six hours of an incident."

### ISSUE

The UK faces significant flooding challenges, with notable damage in 2019/20 amounting to £333 million.

### SOLUTION

The Environment Agency (EA) employs a 24/7 drone response service, with operations mainly outsourced to RUAS (Remote Unmanned Aircraft Systems).

### BENEFITS



#### Enhanced Decision-Making

Drones provide real-time insights to decision-makers, improving the efficiency and effectiveness of flood response actions.



#### Improved Emergency Management

Live drone footage is critical for managing emergencies, such as monitoring temporary barriers at locations like Ironbridge, to ensure timely and appropriate responses.



#### Future Planning and Defence Optimisation

Drone data is valuable for shaping current and future flood defences, aiding in planning, modelling, and, when combined with AI, predictive models, IoT sensors, and big data, is expected to further optimize flood response strategies.



\*According to PwC report "Skies without limits v2"