



DRONES FOR CROP & BIODIVERSITY MONITORING



HARTPURY
AGRICULTURE

DIGITAL INNOVATION FARM

Real-time aerial insights for smarter farm management.

Technology

5G-enabled drones can capture and instantly transmit multi-spectral images of crops and landscapes for precision land mapping applications. A cloud-based dashboard provides real-time data access, enabling farmers to analyse crop health and biodiversity without delays.

The Need for Farmers

- › Manually monitoring large areas is slow and inefficient
- › Drones can map large areas, however, real-time analysis can be difficult with slow data uploads

Benefits



Why Rural Connectivity Matters?

Without fast connectivity, drone data uploads are slow. 5G enables instant, real-time analysis, allowing farmers to act immediately on crop health and biodiversity insights.

