



PRECISION, FROM THE AIR.

DRONE SERVICES

APPLICATION · SEEDING · SURFACE COATINGS · CLEANING · DRONE MAPPING

XAG P100 PRO · CAA AUTHORISED · AUTOSPRAY PILOT NETWORK · FULLY INSURED

WHY CHOOSE AERIAL APPLICATION?



No soil compaction

No heavy machinery on your soil — eliminating wheelings, capping and lasting compaction.



Access in wet conditions

We operate when conditions stop conventional machinery — soft ground and standing crops are no obstacle.



Rapid coverage

Effective work rates of 15–20 hectares per hour.



Precision placement

GPS-guided, variable-rate application — product placed precisely where it is needed.

THE AIRCRAFT — XAG P100 PRO



50 L

spray tank (RevoSpray)

80 L

spreader $\approx$ 50 kg (RevoCast)

Up to 10 m

working swath

15–20 ha/hr

effective work rate

Multispectral

NDVI crop & site mapping

Hot-swap

batteries — minimal downtime



CAA Operational Authorisation · AutoSpray Pilot Network pilot · Fully insured for spreading & spraying contracting

SERVICES AVAILABLE NOW



● Cover & catch crop seeding

Broadcast seeding, including into standing crops

● Granular fertiliser

Even, accurate application

● Foliar feeds & biostimulants

Rapid, targeted nutrition (non-PPP)

● NDVI & multispectral mapping

Assess the crop before treatment

Pesticide application by drone is being introduced under HSE approval. As an ASPN-connected operator, we will be ready to deliver it as soon as it is permitted.

BUILT AROUND YOUR OPERATION

- Arable & combinable crops
- Horticulture & glasshouse
- Solar farms
- Woodland & forestry
- Livestock & buildings

ARABLE & COMBINABLE CROPS



● THE CHALLENGE

- Wet autumns keep sprayers and ATVs off the land
- Compaction and wheelings reduce yield
- Blackgrass and slug pressure on tight, weather-driven timings
- Establishment windows that cannot wait

WHAT WE DO

- Cover and catch crops into standing crops
- Granular fertiliser, evenly applied
- Foliar feeds and biostimulants
- Crop mapping to target application

When machinery can't travel, we fly.

HORTICULTURE & GLASSHOUSE



● THE CHALLENGE

- Shading must be applied each spring and removed each autumn
- Algae and grime on covers reduce vital light transmission
- Manual coating and cleaning is slow and works at height
- High-value crops, limited labour, short windows

WHAT WE DO

- Drone-applied shading coatings — ReduSystems
- Season-end coating removal and glass cleaning
- Polytunnel and glass algae removal
- Biocontrol and biostimulant application
- Crop health mapping (NDVI)

Coating and cleaning, without the ladder.

SOLAR FARMS



● THE CHALLENGE

- Soiling reduces output — dust, pollen, droppings and field drift
- Manual cleaning is slow, costly and risky on large arrays
- Access among live panels is awkward and hazardous
- Thousands of acres now consented across Lincolnshire & Cambridgeshire

WHAT WE DO

- Aerial panel washing — spray-cleaned from above
- Rapid coverage, with no contact on the glass
- Reaches awkward rows and tight gaps
- Deionised water — no streaking, no harsh chemicals
- Site mapping and condition surveys

Clean glass, more power.

WOODLAND & FORESTRY



● THE CHALLENGE

- National tree-planting targets are accelerating
- Lincolnshire is the least-wooded county in the East Midlands
- Forestry England is creating 965+ hectares locally
- Wet, awkward or steep planting ground

WHAT WE DO

- Aerial direct seeding for woodland creation
- Natural regeneration and restock seeding
- Establishment and canopy mapping
- Rewilding and peatland seeding
- Vegetation control as approvals expand

Reaching ground inaccessible on foot.

LIVESTOCK AND BUILDINGS



● THE CHALLENGE

- Summer heat stress reduces poultry and livestock performance
- Steel and fibre-cement roofs exceed 70°C in summer
- Hot buildings mean poor conditions and high cooling costs
- Roof work is a leading cause of fatal accidents in agriculture

WHAT WE DO

- Aerial-applied roof-cooling coating (Cool-FX)
- Roof up to 40°C cooler; interior 2–7°C lower
- Poultry, cattle, dairy and grain-store roofs
- No access onto fragile roofs — applied from above
- Re-applied each summer — an annual requirement

Take the heat off — from the air.

WHY VORTEX AERIAL?



Local

Lincolnshire-based, with first-hand knowledge of local ground and conditions.



Certified & insured

CAA Operational Authorisation and fully insured contracting.



Industry-connected

AutoSpray Pilot Network member, including commercial slug pelleting.



Transparent pricing

Clear per-hectare rates. Application only — product supplied by the client.



Full reporting

Every job logged, mapped and recorded — a complete record for your files.



LET'S DISCUSS YOUR REQUIREMENT

Request a free, no-obligation quote — tell us the site and the task, and we'll provide a price.



CALL

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VORTEX AERIAL LTD