



pats



Indoor Drone Solutions

AUTONOMOUS DRONES FOR INSECT CONTROL

Insect control is an increasing challenge in greenhouse horticulture as insect pests become fiercer, availability and the effect of available control methods declines and labor is becoming more scarce.

Helping you control insect pests:

- Elimination with micro drones
- Fully automated & residue-free
- Monitoring with cameras

PATS provides an automated insect control service that helps growers to control and eliminate flying insect pests. Our solution is proactive in preventing pest development and a further spreading throughout the greenhouse. PATS supports your cultivation by:

- Reducing crop damages
- Reducing spraying rounds and thus growth inhibition
- Saving labor time on repetitive tasks



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APPLICATION(S)

Flying insect pests are widespread and occur in vegetables, fruits, flowers and plants. Our solution is currently focused on moth control in flower- and plant production, like gerbera daisies and chrysanthemums. Naturally, controlling various flying pests in other crops are also part of our roadmap.

METHOD

PATS' Insect Control Service is performed by means of small drones that are automatically controlled by our base station. This base station is equipped with cameras used to monitor the environment and flying insects and a charging pad for the drone. When a pest insect is detected the drone is rapidly steered into the flightpath of the insect after which elimination takes place.

Current practice	PATS Approach
Reactive spraying rounds covers entire surface	Proactive and targeted elimination with micro drones
Available pest control methods interfere	Brings balance in the fragile ecosystem
Pesticides are increasingly regulated	Residue-free insect control
Labor intensive process	Automated monitoring and pest control

FOUNDING TEAM



Bram Tijmons
(CEO – Business Development)



Kevin van Hecke
(CTO – Vision, Control and AI)



Sjoerd Tijmons
(CPO – Drone Design and Control)

Are you suffering from moth pests in your crop?
Get in touch with us.
Our drones never sleep.

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