



Applied Drone Innovations (ADI) is operating an “eye in the sky” service for growers in the horticultural sector, using drones and other robotic platforms to gain an advantageous aerial perspective.

The product they actually sell to growers is the addressable data sets which allow them to become more efficient and effective. Their first customers are benefiting from Fusarium detection and localisation maps, these maps enable the growers to find and remove infected crops in 25% of the time it takes without ADI’s technology. In other greenhouses they are working on harvest and inventory management software to enable a smart supply chain.

ADI supplies an end to end service, from Data Collection, Data Interpretation to the final Data Presentation. This leads to a unique competitive advantage enabling advancements in both value proposition and the development of AI. There are currently no solutions which provide a similar end to end service for greenhouse horticulture.

The project has an average TRL level of 8. The Fusarium detection and localisation maps are already being provided as a service, they have been demonstrated and sold successfully to the industry (TRL 9). Automation and machine vision to remove the human in the loop has been demonstrated but is not yet ready to be fully implemented in operations (TRL 7).

WHAT WE OFFER

Our solution

Based on weekly visits, we offer greenhouse maps and other insightful data visualisations to our clients



Data collection

Creating images of the crops with an incredible amount of detail thanks to our robotized systems



Data processing & analysis

Our in-house software analyses the data collected



Data visualisation

Creating images of the crops with an incredible amount of detail thanks to our robotized systems

Applied Drone Innovations (ADI) has recently secured a new round of funding in the amount of 250,000 euros from the Netherlands Organisation for Scientific Research (NWO). This milestone will help the startup accelerate its technical development and grow its core team.

This is the second round of funding for the Delft-based company this year. In January 2019, ADI received 150k euros from Rabobank to develop and pilot its technology. Subsequently, it also secured a 20k euros MIT Feasibility Grant to realise automated drone flight.

At the moment they are developing several propositions with greenhouse growers (mainly potted plants, breeding of seeds and young plants). ADI wants to validate the Fusarium business case and explore other possible business opportunities within the horticultural sector, both in the Netherlands and abroad.