

# Image Analysis for Quality Assurance in Seeding Patterns

This master project is in collaboration with Growy, an Amsterdam-based agricultural technology company focused on the optimisation of agricultural practices for high-quality crop cultivation. More information about Growy is found on their website: [www.growy.nl](http://www.growy.nl)

## Project description

The goal of this master project is to develop a quality assurance station that employs cameras to inspect the seeding patterns created by Growy's new seeding machines. This system will verify if these patterns align with Growy's quality standards and will decide if the sown gutter is allowed to enter the farm.

Key aspects/topics:

- Quality standards validation
- Real-time image analysis
- Integration with seeding machines
- Data logging and reporting

Deliverables:

- Master thesis
- Documentation for Growy
- Demonstrator
- Relevant software/firmware components

## Contact information

Contact Nikolaos Alachiotis ([n.alachiotis@utwente.nl](mailto:n.alachiotis@utwente.nl)) if you are interested in this master's assignment.

For questions about Growy, contact Jochem Meuwese ([jochem@growy.nl](mailto:jochem@growy.nl)) or Frank Ridder ([frank.ridder@growy.nl](mailto:frank.ridder@growy.nl)).