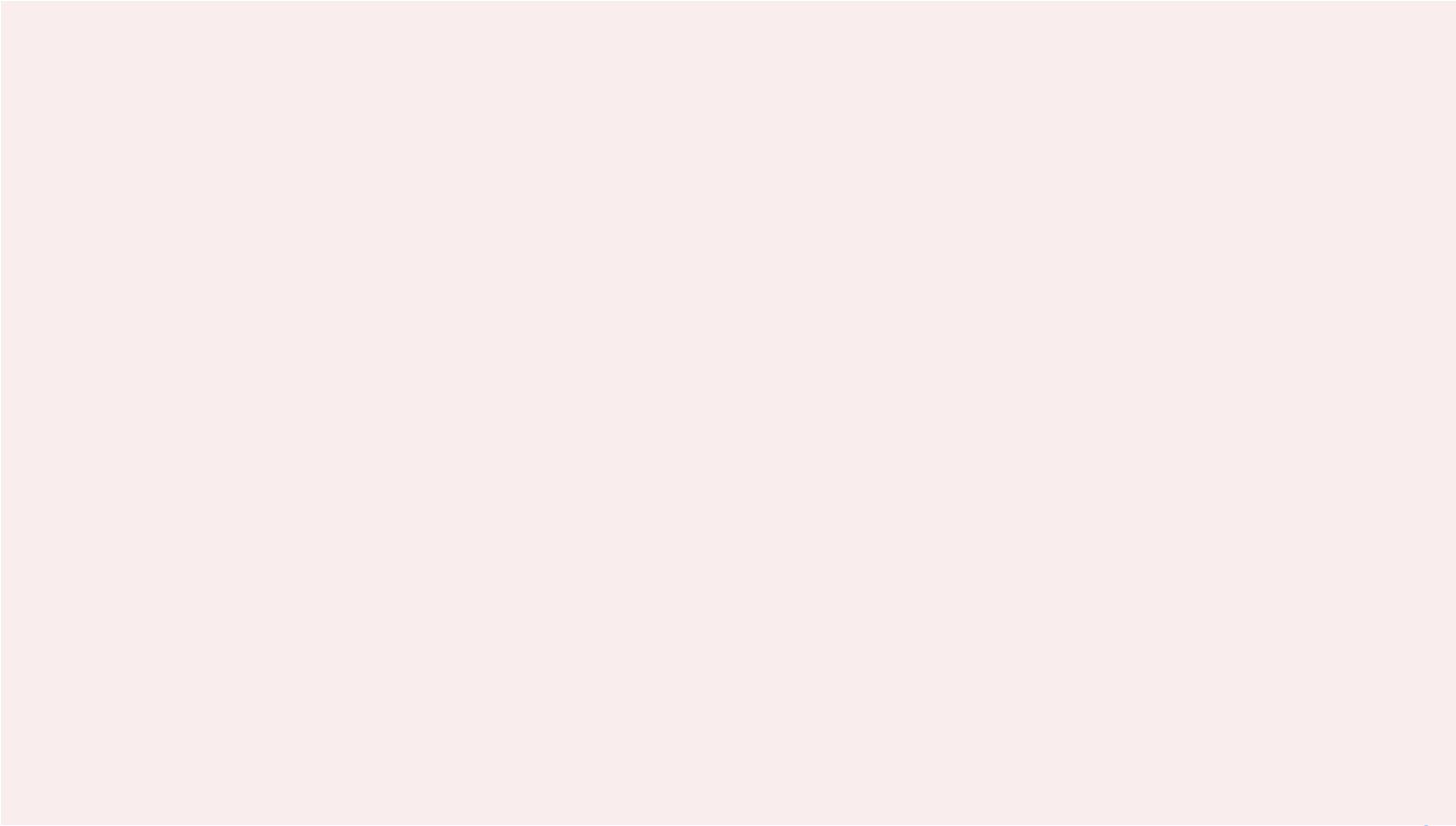


AI and the rakemethode

optimized route planning and navigation through autonomous water
maintenance

Who is Harkboot.nl BV and what do we do?



Autonomizing the rake method.

- ▶ First step: Remote controlling the rakeboat.
- ▶ Second step: Installing AI to learn the method
- ▶ Third step: Testing if AI gets the same results as manual control

What difficulties may arise?

- ▶ Autonomous sailing is already possible, But with a rake boat this will be a different story
- ▶ Rakeboat need constant adjusting en controlling, furthermore while raking the steering is completely different because of the rake.
- ▶ How do we protect fish and biodiversity?

Inventory of aquatic plants

- ▶ We started with developing an automatic recognition drone for aquatic plants.
- ▶ With InvaAquaWatch who uses AI to detect en determine aquatic plants



Questions?