



# phenotyping survey system

## automating agricultural field inspections

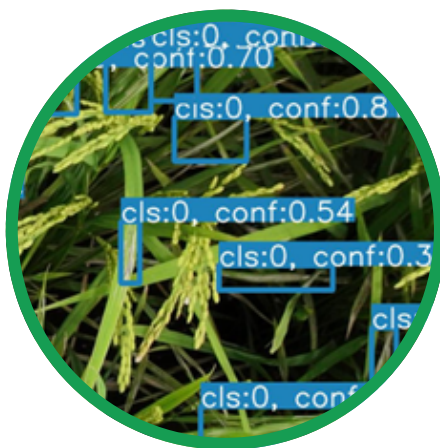
- **Detection:**  
Disease, insect damages, weeds, abnormal plants
- **Analysis:**  
Plant height, coverage, number of spikes, etc

A comprehensive system for automating agricultural field inspections



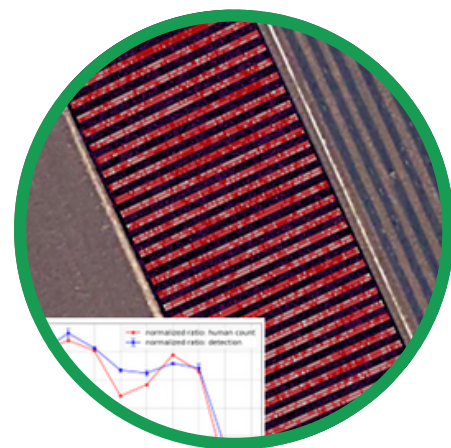
### Auto-Proximal Sensing

Automatically generate the drone's flight route for proximal sensing to capture images of a human-eye level.



### Image Analysis AI

Detect various diseases, weeds, and variant strains by phenotyping AI. Specific detection AI can be developed upon requests



### Object Mapping

Results aggregation by each test field and section with "cm" level accuracy



For More Information  
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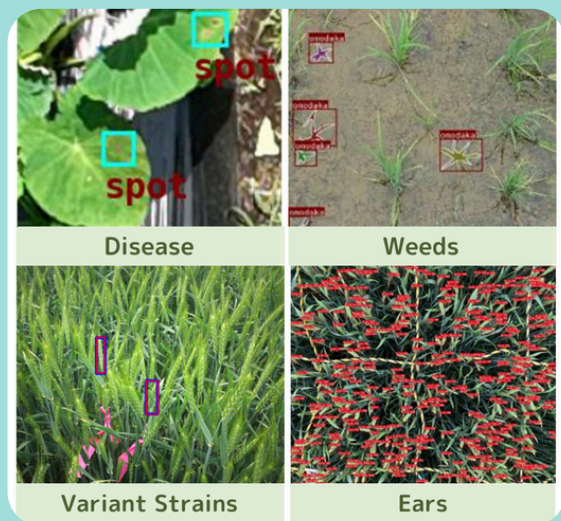
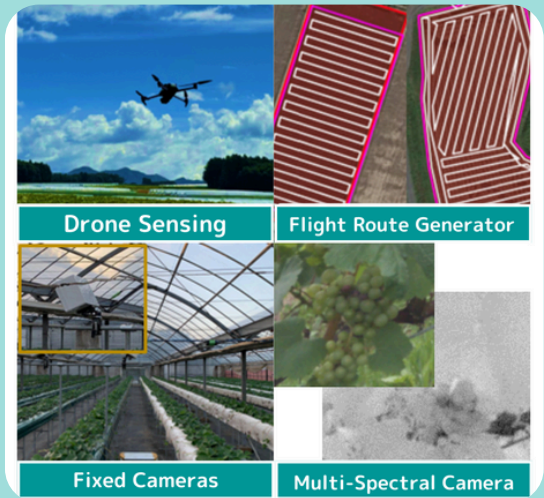
# PHENOTYPING SURVEY SYSTEM

## OVERVIEW

01

### Crop Sensing

- High-Precision proximal sensing
- Various sensing equipment tailored to objectives and environment



02

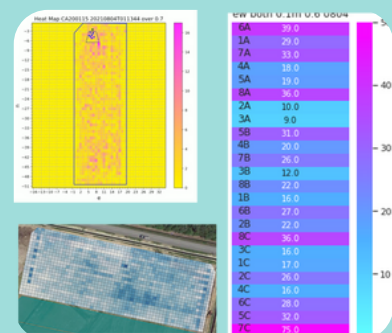
### Phenotyping AI

- Detect diseases, pest damages, weeds and variant strains
- Adaptable to various crops and diseases

03

### Object Mapping

- Aggregate the results by field and sections
- "cm" level location accuracy by utilizing RTK



Fields of system implementation



Breeding, Seed production



Pesticide Evaluation



Growth Analysis