

AI-Palm Care Solution

Integrated intelligent solution for oil palm plantation using Remote Sensing Technology & Artificial Intelligence (AI)

All-inclusive information for Remedial Actions

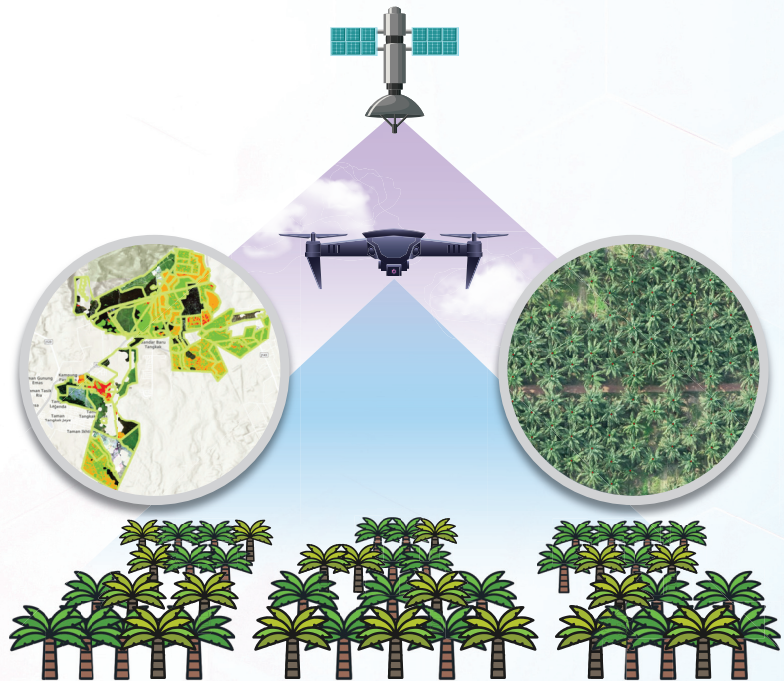
Palm Health

- Immediate General Health Data •
- Indicate Problematic Area •
- Time Saving •

Intelligent Palm Analytics

- High Accuracy •
- AI Counting and Analysis •
- Fast Turnaround •

Intelligent analytics and insights for individual palms

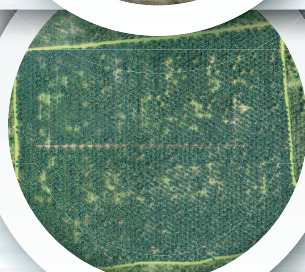


Palm Health Tool to provide an overview of your estates to identify problematic area

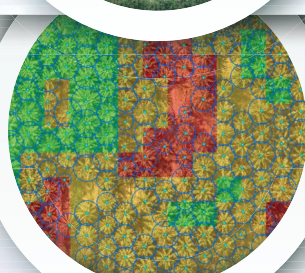
Ground Visit to verify the condition and use of drone to capture images of the identified areas



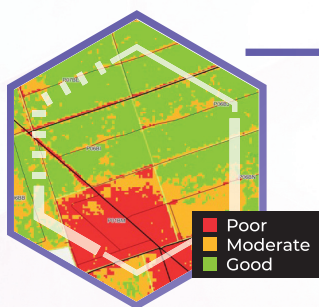
Intelligent Palm Analytics to detect and count the palms, and carry out canopy size analysis on each palm



Integrate analysis and insights, for all-inclusive information for remedial actions

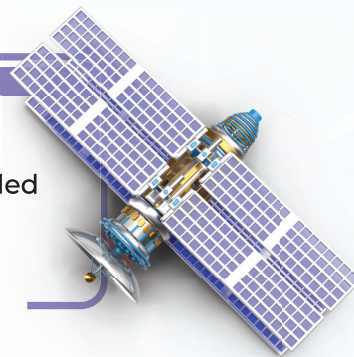


acgtTM
a Genting company



Palm Health

- Large scale Palm Health Monitoring and Guided Intervention using Machine Learning
- Indicate Poor, Moderate & Good Palm Areas



Domain Expertise



Multi-tier Physical and Chemical Data Inputs



Nutrient



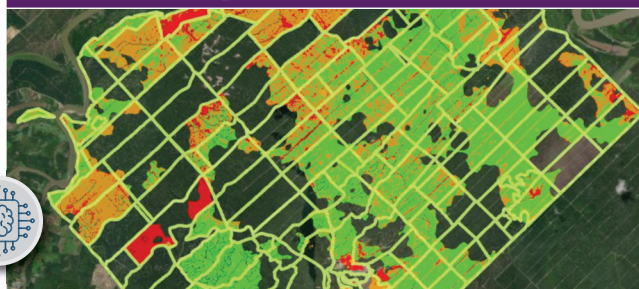
Vigour



Water



Palm Health



Poor



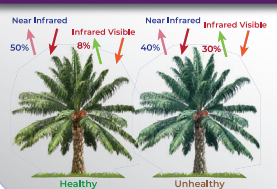
Moderate



Good



Satellite Multispectral



45 Vegetation Indices



Reflectance



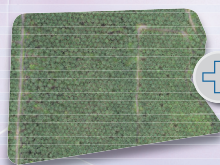
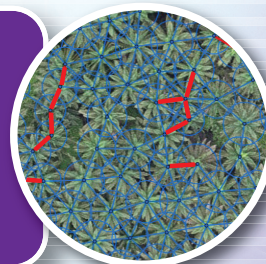
MSI



Plant Science

Intelligent Palm Analytics

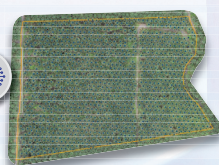
- Inventorising individual palm and intelligence analytics using Deep Learning
- Efficient (up to 0.5 min/ha), accurate (up to 99%*) and standardised palm detection



Drone Imagery



Boundary



Palm Count

Features

No Software Required
Advanced Analysis

Benefits

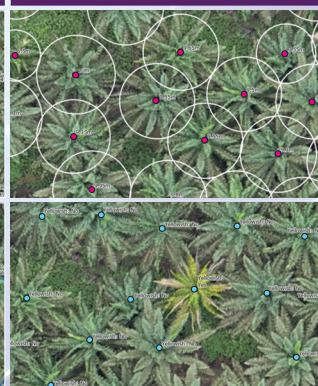
Efficient Palm Detection
Accurate and Standardised

Location



Close Planting

Canopy Size



Yellowish