

Smart Lite Fertigation System

A newly launched Lite version designed specifically for smallholder farmers

Fully automated, feature packed and economically priced, REDtone Smart Lite Fertigation allows every grower to master fertigation at a professional level.



Automated Nutrient Dosing

- Delivers precise dosage of nutrients to plants automatically
- Enables better nutrient uptake



Data Analytics

- Captures EC values, water level, AB fertiliser level, water temperature, ambient light and humidity, etc
- Provides remote access from anywhere via smartphone, tablet or laptop



Flexible and Customisable

- Can be integrated with almost any type of electrical farm equipment and sensor
- Controls up to 5 acres of farm size. (Dependent on assessment by REDtone)
- Suitable for greenhouses as well as indoor and open farms



As low as RM15,000

Success Story



Location
Kuala Lumpur



Type
Indoor Vertical Farm



Crop
Various green vegetables using NFT (Nutrient Film Technique) hydroponic system



Background

Inconsistency in crop yield due to human error in fertilisation was a major concern for this farm owner. He deployed a worker to manage the fertiliser mixing twice a day. Even with SOPs provided to the worker, the farm owner still experienced inconsistency in yields and was not able to achieve the target weight (per bunch of salad) that he wanted. The owner decided to deploy REDtone Smart Lite Fertigation System in his greenhouse on March 2021 and was amazed with the results.

Data Collected After 3 Weeks

BEFORE

1. Manual Fertiliser Mixing Process

- Fully dependent on workers
- Errors and inconsistency were unavoidable

2. Inconsistency in Yield Weight

- Average 200gm to 210gm per bunch of salad



201g

3. Manual EC Target Checking

- Assigned a worker to manually check the EC target twice a day

AFTER

1. Automated Mixing Process According to SOPs

- Accurate, uniform and precise as per EC target
- Crops are well nourished

2. Yield Weight Increased by 50%

- From 201g (previous cycle) to 293gm per bunch of salad



293g

3. Automated EC Target Checking

- No manual checking required; all data monitored via mobile phone and dashboard

REDtone

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