



SMART FARMING SOLUTIONS

POWERED BY MSD INNOVATION



OUR SMART FARMING SOLUTIONS

MSD Innovation has developed a Smart Farming solution which has enabled us to create conducive operational conditions through the application of IoT which will provide resource and time savings, heighten convenience and minimise human intervention.



Sustainable



Technology-based



Data Driven

AUTOMATION, CONVENIENCE & TIME SAVING

The automation of functions for inputs such as nutrients and artificial lighting within the controlled environment is further enhanced by the use of digital dashboards and mobile applications to enable farm management to be done remotely.



ACHIEVING SUSTAINABILITY

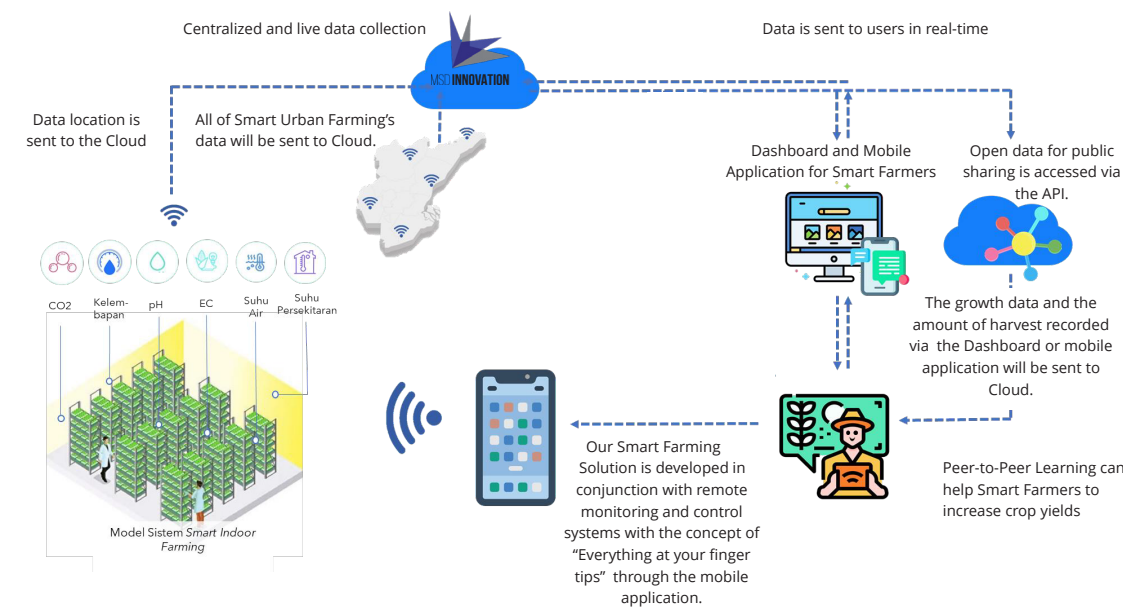
-  **Food Security**
Fresh & locally produced
-  **Participation by all**
Including the underserved
-  **Saving water**
Much less water is used & it is recycled
-  **Eliminate pesticide use**
No agriculture run-off
-  **Efficient Use of Space**
Lessen land clearing
-  **Lower risk of pathogens**
-  **Mitigating climate change**
Reduces ecological footprint of farming

APPLICATION OF IOT SENSORS & CLOUD TECHNOLOGY

- Water Quality Sensors
(Water temperature, pH and EC)
- Air Quality Sensors
(Air temperature, humidity and CO2)
- Water Level Sensors
- Automation Control
- CCTV

MSD INNOVATION'S SMART FARMING SOLUTION

Our Smart Farming Solution



USER-FRIENDLY DIGITAL DASHBOARDS & MOBILE APP



MULTIPLE SITE MONITORING & OVERSIGHT



TECHNOLOGY FOR ALL

At MSD Innovation, we believe that Smart Farming Solutions should benefit all segments of society, regardless of age, gender or educational background. We have also developed a user friendly interface for our Smart Farming solution which will greatly enhance user experience.

Our Smart Farming Solution can also be a useful tool for empowerment programmes for target groups such as youth and underserved groups within the community.

MOHAMED ZAKI BIN HUSSEIN
B40 Smart Farmers

VIBRANT VALUE CHAIN



E-commerce Platform



Storage



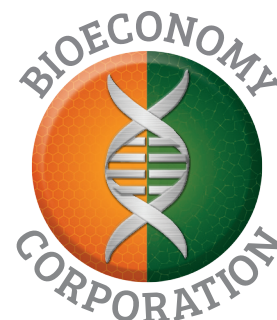
Delivery



ABOUT BIOECONOMY CORPORATION

Malaysian Bioeconomy Development Corporation Sdn Bhd (Bioeconomy Corporation) is the leading economic development agency for the biotechnology and bio-based industries in Malaysia. Established in 2005, Bioeconomy Corporation is owned by the

Minister of Finance Incorporated and Federal Lands Commissioner and has been under the purview of the Ministry of Agriculture and Food Industries (MAFI) since November 2018.



ABOUT MSD INNOVATION

MSD Innovation is a progressive technology company specialising in the development of IoT solutions, with a special focus in the field of agriculture. We have developed our homegrown Smart Farming Solution, grower's digital dashboard and mobile applications.

MSD Innovations is a company under the Bio-based Accelerator Programme (BBA) introduced by Bioeconomy Corporation.



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