



What is Smart Agriculture 4.0?

Agriculture 4.0 is a term for the next big trend facing the agriculture industry, including a greater focus on precision, the internet of things (IoT) and the use of big data to drive greater business efficiencies in the rising populations and climate change.

Solve These Business Challenges

- Multiple or non-existent monitoring systems obstruct the manager's ability to oversee the crop management process.
- No real-time notification or prediction that notifies farmers about crop problems.
- Inconsistent crop production due to outdated machinery and manual operation.
- Ineffective farm management resulted from a lack of historical and analytical information.

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SOLUTION BRIEF

TM One Smart Agriculture Solutions

Real-time data for better crops and higher profitability

It is now time for Malaysian farmers to adopt Agriculture 4.0, reducing their reliance on traditional methods and instead incorporate Artificial intelligence (AI) technology and IoT devices into their agriculture business. Adding intelligence to the harvesting machines and automating the fertilisation process will substantially help in boosting productivity, production, quality and profit. A significant amount of operational cost can be saved when manual labour is minimised.

TM One Smart Agriculture offers a diverse set of solutions to help farmers adapt to technological advancement, which is customised to fit the demand of farmers. We implement AI analytics in the solutions to help in weather forecasting and detect potential complications that could hamper crop growth. We also provide a centralised monitoring dashboard that is integrated into the IoT-powered machines, which enables farmers a holistic view of their entire machinery performances and crop conditions. The dashboard is customisable to the farmers' requirements and priorities, and can be made compatible with other agriculture solutions under TM One.

TM One Smart Agriculture Benefits



Reduces dependency on imports by increasing domestic production.



Improves project success rate through integrated and technology-driven solutions.

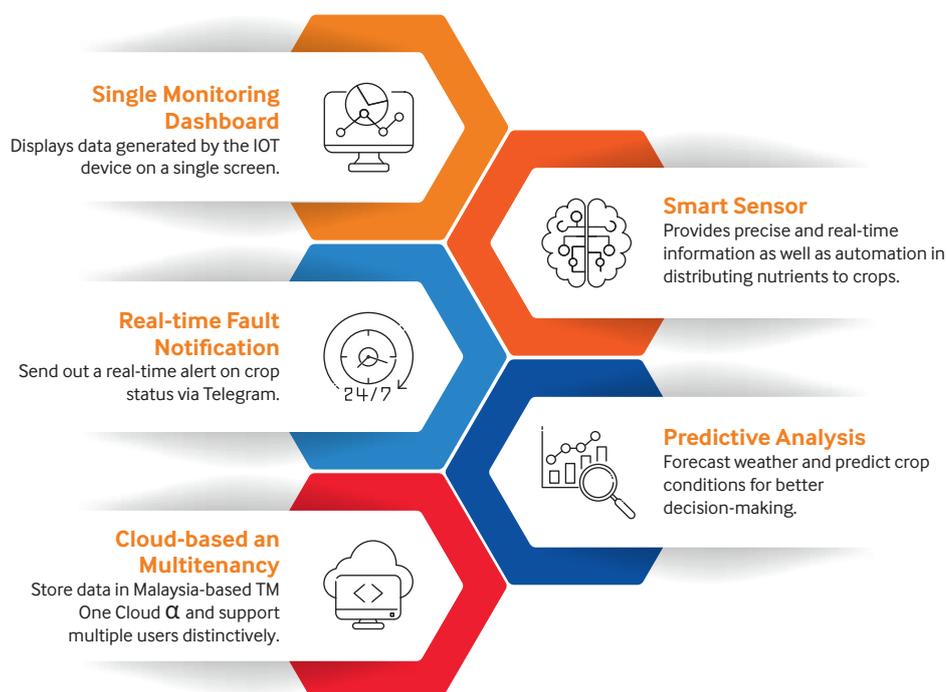


Improves farmer's earnings and enhances income sustainability.



The catalyst of change for other agricultural products.

TM One Smart Agriculture Features



Combine the power of sensors and analytical tools with TM One Smart Agriculture to introduce precise, data-driven agriculture management practices. Access a deeper, more real-time understanding of crops and livestock to drive faster, more accurate, more profitable, and more sustainable farms.

To learn more about TM One Smart Agriculture, please contact your TM One representative or TM One business partner, or visit our website:

<https://www.tnone.com.my/solutions/smart-services/>

About TM One

TM One, the business-to-business arm of Telekom Malaysia Berhad (TM), empowers enterprises and the public sector to challenge the status quo and creatively disrupt various industries with the latest digital technologies and solutions across cloud, connectivity, cybersecurity, and smart services.

For further information on TM One, visit www.tnone.com.my

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TM One Smart Agriculture Customisable Solutions



Smart Plantation

Leverages electrical and automated appliances to manage large plantations.



Urban Farming Hydroponics

Applies modern ICT to enable urban farming activities in areas where access to land is limited.



Aquaponics

Circulates water or waste from the aquatic animals to fertilise the plants, where the plants then filtrate water for the animals.



Smart Paddy Farming

Monitors water level, moisture level, temperature and humidity of the paddy field.



Aquaculture

Collects information on the condition of aquatic animals and water quality.



Poultry

Monitors real-time health status of animals and environmental parameters.

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