

RYNAN Insect Monitoring System



Data-driven Intelligence

Using advanced biostatistical models and artificial intelligence to make data-driven pest management decisions



Real-time Monitoring

Automatic monitoring and identifying of a variety of agricultural pests within farmland with zero human intervention



Sustainable Technology

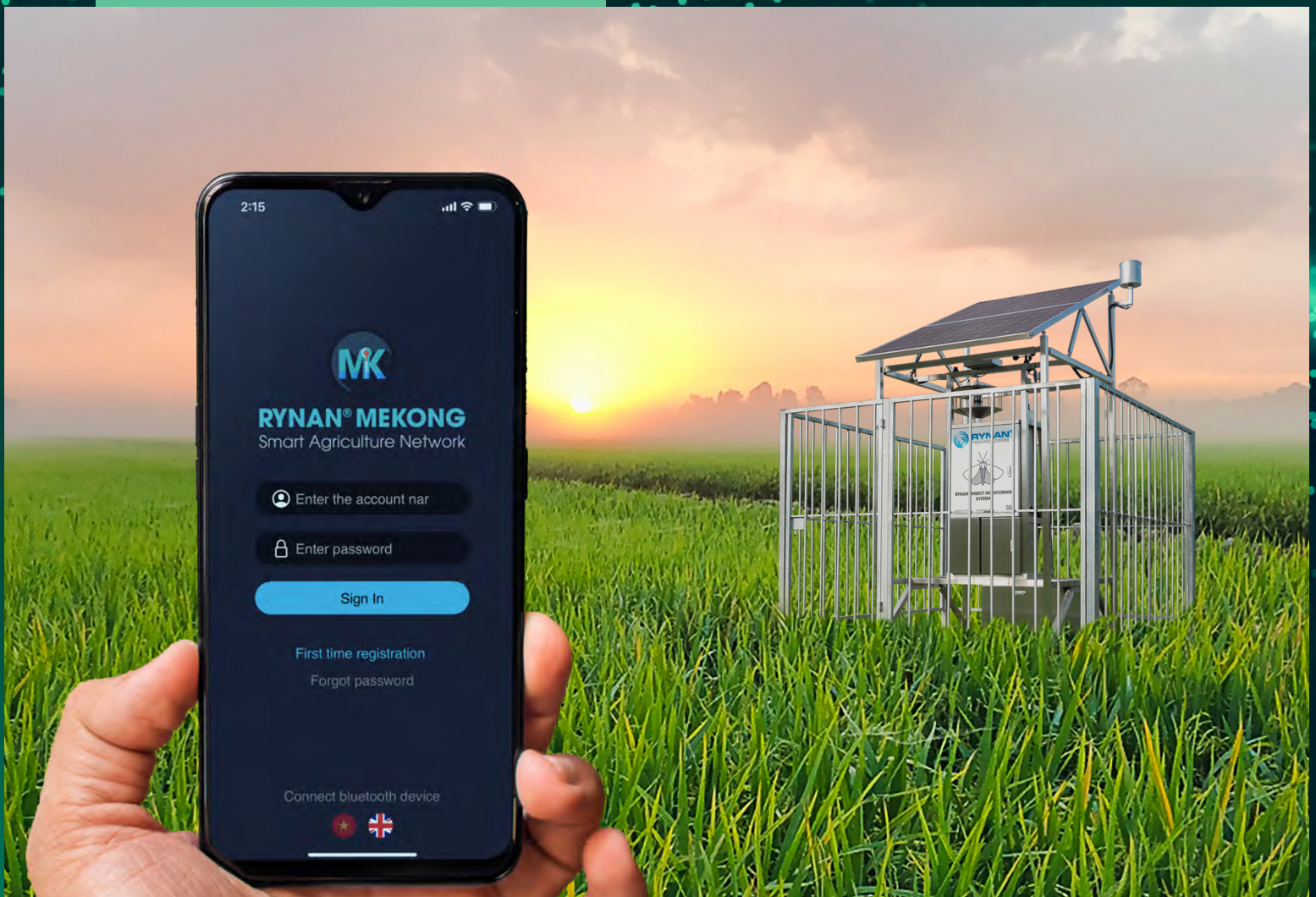
Enhance pest management practices and minimize the misuse of harmful broad-spectrum pesticides



Sample image of insects identified and analyzed in RYNAN insect monitoring system

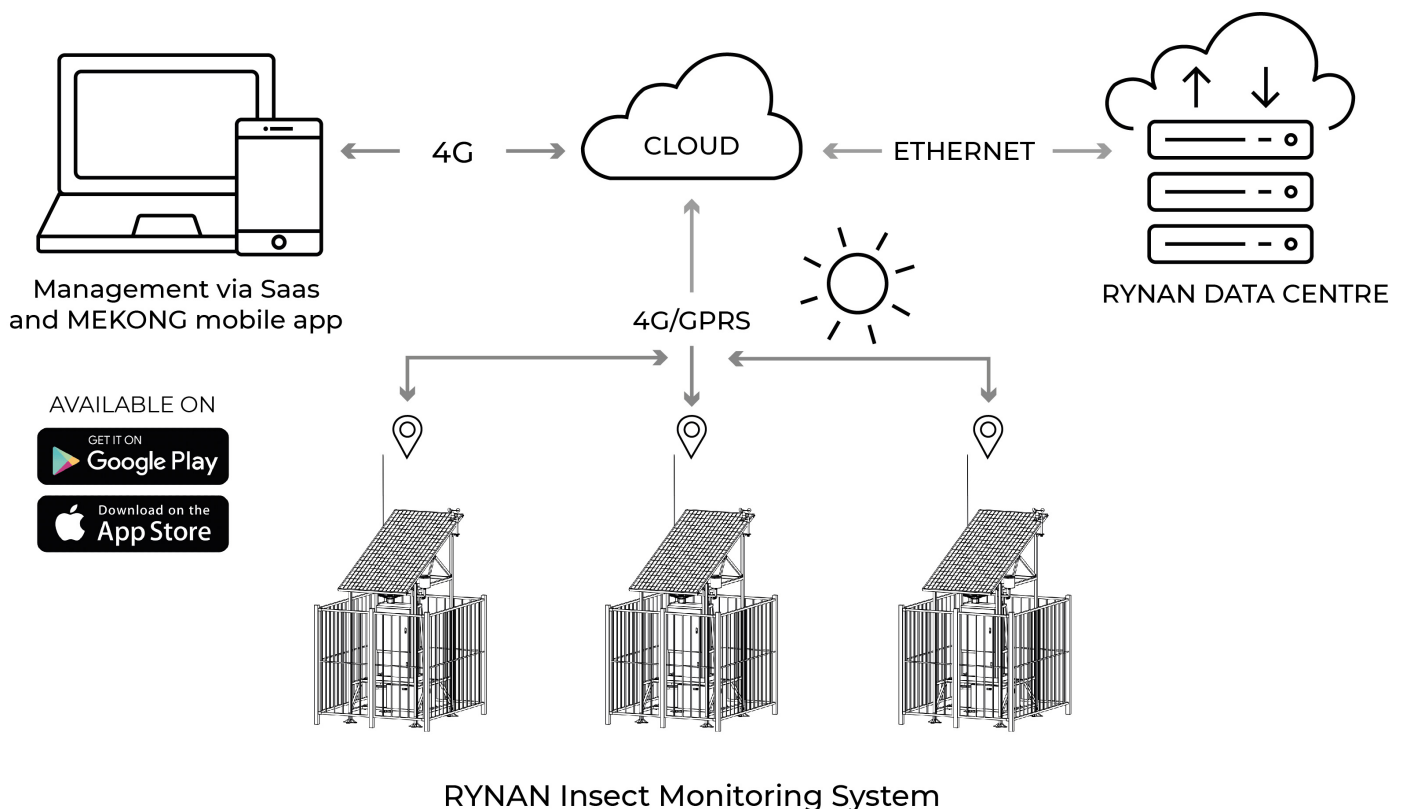
Pest Management

The RYNAN Insect Monitoring System uses AI-driven data analytics for agriculture to manage unnecessary use of chemical inputs, identify and predict pests and insects using visualized statistics.



SPECIFICATIONS

Dimension (L x W x H)	1.83 x 1.61 x 4.0 m
Material	Stainless steel
Power Supply	Battery 12 V - 100 Ah (Up to 400 Ah) Solar charger integrated
Attract Method	Using LED (UV, RGBW) to attract insects on a large area. Use pheromones depending on the type of target insect with automatic scheduling.
Self-cleaning System	Integrated air spray system to automatically clean the insect trap after capturing images of insects.
Weather Sensors	Measure temperature, humidity, wind speed, wind direction, and rainfall.
Working Method	Using a high-resolution industrial camera to capture images, the Edge AI analyzes captured images and accurately identifies species of insects in real time.
Features	Monitor insects anytime, anywhere, with statistics, charts, and live photos from the system. The system automatically pushes notifications and forecasts on pest status. Management via the SaaS central management software. The machine learning systems can be customized to different areas and crop types to identify new insects. Free mobile application available on Google Play and App Store.
Connection	4G
Working Environment	Temperature from 0° c to 70° c and humidity from 0 to 95%





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