

Rural Development and Food Security Forum 2019

28–30 October 2019, ADB headquarters

ADB



TECHNOLOGY AND INNOVATION MARKETPLACE

Profiles of technologies showcased by exhibitors during the RDFS Forum

Aerial Analytical Solutions for Tropical Agriculture

Overview

EagleSensing specializes in data acquisition and data analysis through machine learning. They provide aerial data collection and analysis services using proprietary software from which large-scale farm owners can derive information, which they can then use to make critical management decisions.

EagleSensing's products not only assist in precision agriculture, but are used in a range of industries such as real estate, asset management, forestry, infrastructure, mining, and insurance.

Summary

Founded in 2014, EagleSensing specializes in translating complex GIS data for their clients into formats that are accessible and easy to use. They offer data acquisition, data processing and interpretation, advanced industry-specific analytics, and a platform to enable their clients to derive maximum value from all data outputs.

In agriculture, EagleSensing's services include the collection of crop and field data to help food growers enhance their efficiency. They offer crop specific analytics that give growers an indication of the health, plant proximity, height, and biomass in and around the plantations. They also provide environmental analytics that examine the surroundings of the growers' farms, focusing on erosion and flood risks that can potentially affect crop growth and consequently, yield.

Keywords: aerial surveying; data analytics

[Link to ADB Agriculture and Natural Resources Subsectors](#)

- Agriculture research and application

[Link to ADB Sectors and Themes](#)

- Agriculture and natural resources
- Information and communications technology

[Link to Sustainable Development Goals](#)

- Goal 2: Zero Hunger
- Goal 9: Industry, Innovation and Infrastructure

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