REFERENCE INFORMATION

< About Vegetalia >

Company Name:	Vegetalia, Inc.
Headquarters:	Shibuya, Tokyo, Japan
Established:	October 22, 2010
Main Business:	IoT sensors, cloud computing data platforms, application development, plant clinic, agricultural production, distribution and sales and other services
Website:	http://www.vegetalia.co.jp/

< ICT Solutions Offered by Vegetalia >
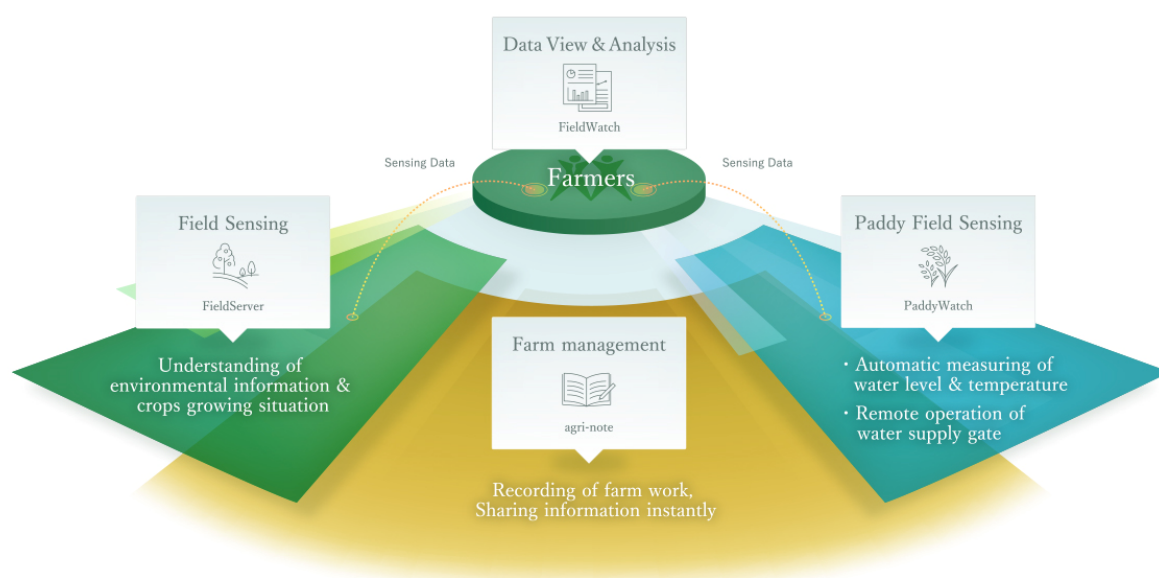
1) Field Monitoring System "FieldServer"

FEATURE		
1 Field Metrics Measures soil environment such as soil temperature, moisture, and electrical conductivity.	**2 Environment Metrics** Monitors environmental information such as temperature, humidity, and sunlight related to plant growth	**3 Risk Management** Predicts and sends automatic warning notifications for risks such as frost damage and pests

2) Water Management Support System for Rice Cultivation "PaddyWatch"

FEATURE	
Sensing Technology Automatically measures and accumulates data related to water level and temperature in paddy fields, an important component of rice cultivation. PaddyWatch also measures temperature and humidity above ground.	**Data Science** Allows for efficient management of rice paddies, by analyzing collected data to control ripening, predict pests and weeds, forecast harvest period, and optimize water management depending on variety.

※）Includes some functions currently in development

3) Cloud-Type Farming Support System "agri-note"

FEATURE	
Information Sharing via Aerial Maps Creates records of past agricultural practices based on aerial images of the fields, making farm operation records easy and accurate.	**Smartphone / Tablet Compatibility** GPS functions allow for easy monitoring of geographically distant farms, and real-time uploading of field images.

4) Data-Based Diagnostic Service in Plant Cultivation "vegetalia PLANT CLINIC"

SERVICE	
Pest Management Consulting	Soil / Pest Diagnosis Services
Uses sensors to measure meteorological information relevant to plant growth, analyzes soil quality of proposed farmland, and provides a comprehensive risk diagnosis of pest occurrence. Assists stable harvest and quality improvement of crops by proposing optimal pest control methods * IPM (Integrated Pest Management): a holistic approach to pest management that uses diagnosis and prediction of pests to take preventive action without relying solely on reactive use of agrochemicals.	In addition to physico-chemical analysis of the proposed farmland, conducts biological analysis to predict pest occurrence. First in the world to apply DNA analysis (LAMP methodology) to predict the onset of plant diseases and propose optimal crop protection methodologies.

* Vegetalia Plant Clinic® is a registered trademark of the University of Tokyo