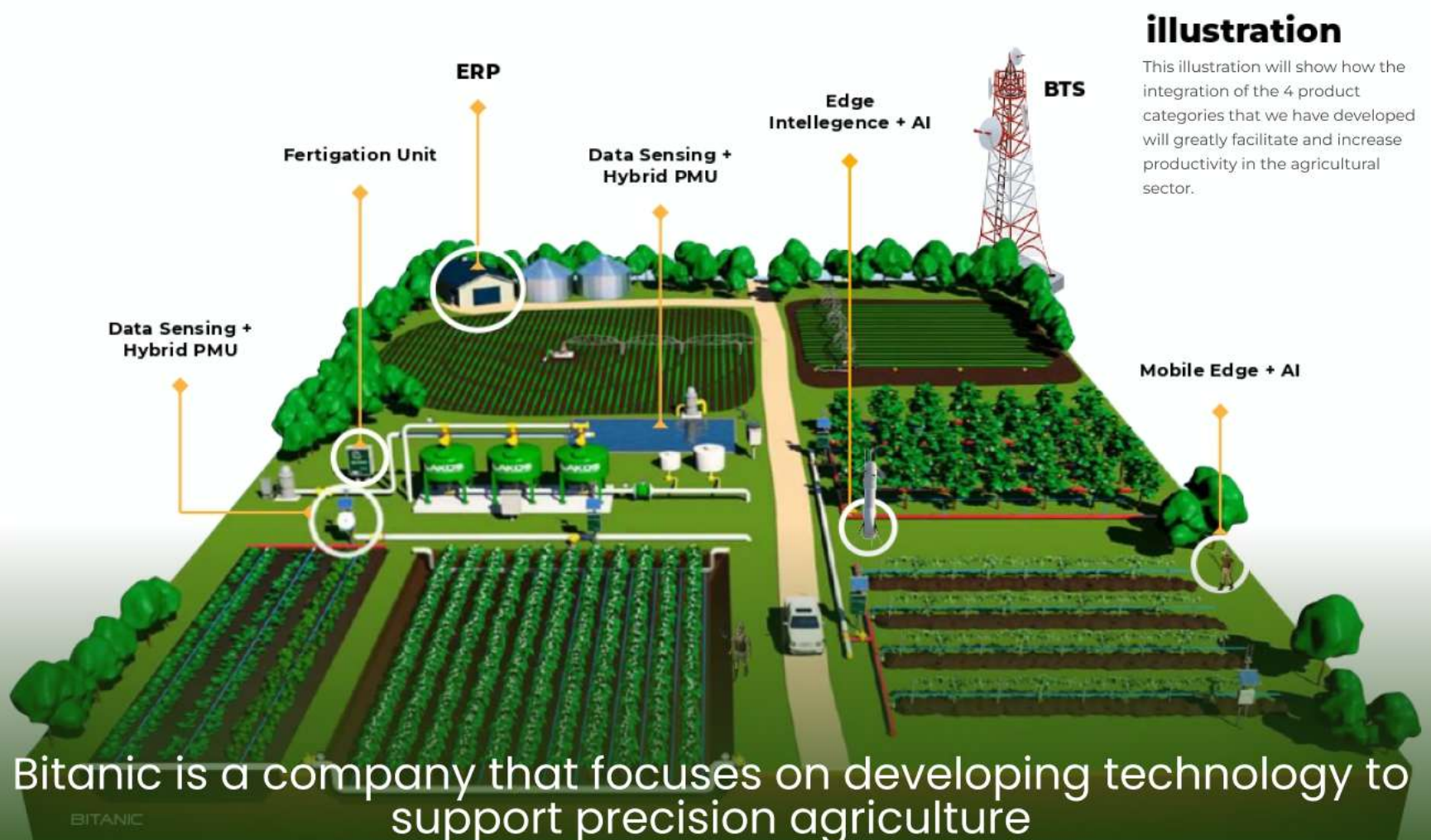


BITANIC

Precision Agriculture Ecosystem

Update 04 March 2024



BITANIC LITE MODEL



Bitanic Lite

Bitanic Lite is specifically designed for agricultural areas under 1 hectare. Provides flexible irrigation control with automatic, sensor, time and manual modes, and is suitable for use in hydroponic drip fertigation systems, greenhouses, vertical farming, and is ideal for small-scale farming with a focus on resource efficiency.

Main Features

- Hybrid Pump Control (Automatic options by Sensor, timer and Manual) for flexible and inexpensive irrigation management.
- Advanced fertilization & irrigation system for efficient use of resources.
- Cloud & Edge Monitoring Services for accurate crop data monitoring.

bitlh-1

BITANIC LITE HIDROPONIK

NEW



Bitanic Lite Hidroponik

The integrated pH sensor and TDS sensor make it easier for hydroponic enthusiasts to carry out their agricultural activities independently, providing convenience without much human intervention.

Main Features

- Optimal and affordable irrigation management through automatic manual pump control, automatic scheduling, and equipped with advanced features, including pH sensors and TDS sensors, for extraordinary flexibility.
- Cloud & Edge Monitoring Services for accurate crop data monitoring.

Rapid Soil Checker

Rapid Soil Checker

Rapid Soil Checker is a tool for measuring nutrient levels in soil which is ideal for the initial stages of agriculture such as parameters of NPK levels, pH, temperature, soil moisture and Soil Ec.

Main Features

- Accurately measure Soil pH, Soil Temperature, Environmental Temperature, NPK (Nitrogen, Phosphorus, Potassium), Soil Ec.
- Measurement of land area and perimeter for efficient agricultural land maps.
- Equipped with Bluetooth for connectivity.
- Portable / easy to carry in all areas or land
- Cloud & Edge Monitoring Services for real-time data monitoring.

Bitanic Monitoring System Demonstration

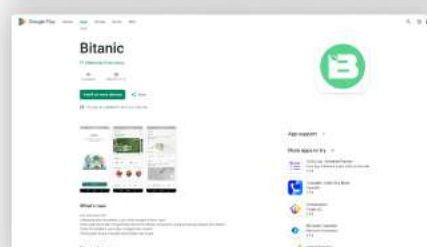


Bitanic web app
demonstration account

<http://www.bitanic.id/>

Mobile phone number
62849626554267

Password
password



Bitanic App is available
on Playstore

Mobile phone number
6282345678987

Password
password



BITANIC Traction and Validation

✓ Dubai Expo
ASIOTI & KOMINFO

✓ Top 10 Cultivhacktion
World Bank, Microsoft

✓ PKHT IPB
Biotrop Tajur

✓ YELP
BI Insititute

✓ GH Orphan House
Orphan House Hydroponics,
Arcamanik, Bandung

✓ Cikarawang Bogor
Power Management PLTS Rumah
Pompa AGH IPB

✓ GH FMIPA IPB
Hidroponik IPB BOGOR

2021

2022

2023

2024

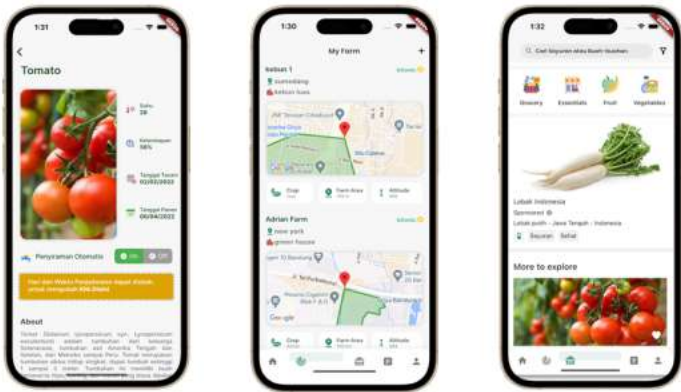
✓ Open Field, chili commodity
Etc. Jembayat, District. Margasari, Tegal, Central Java

✓ Makassar City Government
Food Security Program

✓ Open Field Padalarang
Agricultural Islamic Boarding School,
At Taqwa

✓ Open field Subang
Palasari kidul Gunung Tua,
Cijambe District

✓ Open field Sulawesi
Barugaya, North Polobangkeng,
Takalar District, South Sulawesi

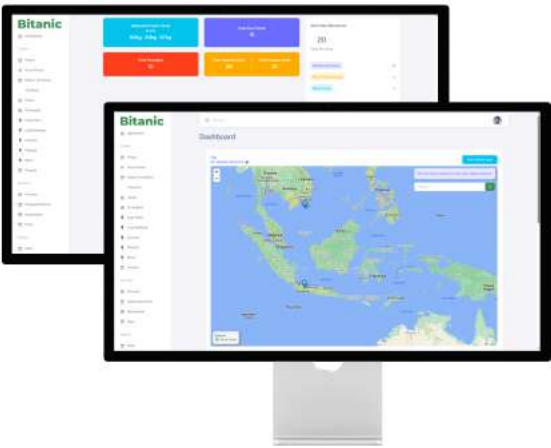


Mobile App Bitanic

The Bitanic mobile application allows farmers to monitor plant health, manage watering and fertilization automatically and on a schedule. Get Geographic Map information. Social interaction features strengthen the farming community, while reports on crop health and pest infestations provide the insight needed for informed farming decisions.

Main Features

- Monitoring
- Pump Control
- Agricultural Land Map Visualization
- Social interaction
- Plant & Pest Report
- Marketing



Web App Bitanic

The Bitanic web application provides an easy-to-use web interface to manage watering and fertilization automatically and on a schedule. As well as monitoring agricultural activities in real-time. Simultaneous use of farmland map data improves decision support, while farm community interaction features facilitate better collaboration.

Main Features

- Irrigation pump control
- Real-time monitoring
- Agricultural Land Map
- Agricultural community interactions

bitpro-1



BITANIC PRO

Bitanic Pro

Bitanic Pro is a complete solution for agricultural land over 1 hectare. With hybrid pump control, fertilization and irrigation systems, Bitanic Pro provides advanced irrigation management. Cloud and edge monitoring services ensure accurate and real-time monitoring, supporting optimal decision making in large farms.

Main Features

- Hybrid Pump Control (Automatic and Manual) via mobile and web applications as well as manually without internet for flexible fertigation management.
- Advanced fertilization & irrigation system for efficient use of resources.
- Cloud & Edge Monitoring Services for accurate crop data monitoring.
- Can be placed in an area of more than 1 hectare.

bitpropump-1

Bitanic Pro Pump


Bitanic Pro Pump


Bitanic Pro Pump is the leading solution for farming on land of more than 1 hectare. This tool is an evolution of the Bitanic Pro, with the addition of an integrated pump head unit to increase efficiency in irrigation and fertilization control.

Main Features

- Equipped with a Pump Head Unit
- Hybrid Pump Control (Automatic & Manual)
- Advanced Fertilization & Irrigation Systems
- Cloud & Edge Monitoring Services
- Intended for land above 1 hectare
- Can be used on more than 1 land (max 4 land) so it can be used by several farmers at once.

Bitanic Pro Version

BITANIC PRO v2		BITANIC PRO v3	
	40 x 50 x 20	DIMENSIONS PANEL	30 x 40 x 15
	-	SENSOR	Equipped with options use of temperature sensors and soil moisture
	2 Pumps	PUMP	2 Pumps
	2 lands	LAND	4 lands
	1500 W	INPUT POWER	Up 2000 W
	10 A max	CURRENT MAXIMUM	25 A max
Automatic & Manual Control via Apps Mobile and Web or manual control of the device without internet (Stand Alone)		MODE CONTROL	Automatic & Manual Control via Apps Mobile and Web



NEW

Research, Validation & Traction



BITANIC INSTALLATION
AT THE ARCAMANIK ORPHAN HOME,
BANDUNG CITY, WEST JAVA

September 16, 2023

BITANIC PRO INSTALLATION AT GREENHOUSE BOARDING SCHOOL AL IMAM, BANTEN

9 - 10 October 2023



Bitanic Rapid Soil Checker Test Together with Farmer Groups at the Taqwa Islamic Boarding School Plantation in Padalarang, West Bandung

19 October 2023



Together with the Governor of East Java, he introduced bitanic

To the Regent and Farmers in Bangkalan Madura



January 24, 2024

BITANIC PRO INSTALLATION

November 16, 2023

At the Palasari Open Field, Cijambe, Subang 3500 m²



BITANIC

BITANIC PRO INSTALLATION

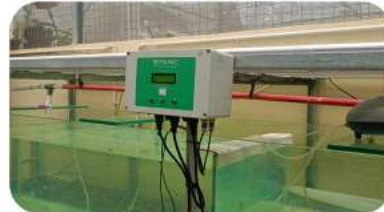
Barugaya, East Polongbangkeung, South Sulawesi



December 16, 2023

Bitanic Lite Hydroponics

GH FMIPA IPB Dramaga Campus



February 19, 2024

BITANIC
PRECISION AGRICULTURE ECOSYSTEM

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