

DMA - Datasoft Manufacturing & Assembly Inc. Limited developed an embedded IoT based Smart Device for horticulture monitoring and Bangla notifications. The product is a Made in Bangladesh Smart Device for checking soil quality & nutrients values for crops, also can determine Organic vs. non-organic produces. This device can help to increase 30% efficiency in vegetable production and 40% savings in fertilizers. The moreCrop system has two components, where the soil sensor device is inserted in the soil and a solar powered Smart Device connected to Internet. The system is configured over a Bangladeshi owned DMAcloud infrastructure where your Data Privacy is strictly maintained. You own your own data.



DMA - DATASOFT MANUFACTURING & ASSEMBLY INC. LIMITED



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DMA as a privately incorporated company provides ICT products (both Software & Hardware) and ICT innovative solutions, which include but are not limited to the Design & Development of IT Cloud based Hardware/Software applications along specializes in IT manufacturing using innovative solutions to produce - Made in Bangladesh products.

Products Related Industries

- ✓ Agriculture
- ✓ Horticulture
- ✓ Poultry (Livestock)
- ✓ Cattle (Livestock)
- ✓ Aquaculture (Pisciculture)
- ✓ Biofloc
- ✓ IPRC
- ✓ Hydrology
- ✓ Meteorology
- ✓ Water Meter (Analog to Digital Conversion)
- ✓ Water Pump Station -Automation
- ✓ Cloud Services
- ✓ Real-time Software with Artificial Intelligence (AI)





Upon logging to the moreCrop web dashboard or app, a user can get real-time data 24x7 as per the requirements:

1. Land pH
2. Nitrogen
3. Phosphorus (P)
4. Potassium (K)
5. Moisture
6. Salinity
7. Temperature

PKSF-NPK Dashboard

WELCOME ADMIN | VIEW SITE | CHANGE PASSWORD | LOG OUT

PKSF-NPK

APPLICATION

Applications + Add Change

ASSETS

Assets properties + Add Change
Assets types + Add Change

JWT TOKEN

Tokens + Add Change

AUTHENTICATION AND AUTHORIZATION

Groups + Add Change

CONFIGURATION

Cities + Add Change

Recent actions

My actions

✗ DeviceRawData object (8477) Device Raw Data
✗ DeviceRawData object (8477) Device Raw Data
✗ abc@gmail.com User
✗ DeviceRawData object (8476) Device Raw Data
✗ DeviceRawData object (8476) Device Raw Data
✗ DeviceRawData object (8476) Device Raw Data
✗ DeviceRawData object (8207) Device Raw Data
✗ DeviceRawData object (8231) Device Raw Data

Web Dashboard



Web Dashboard

Field 1

Location: singair

Status: Online

Temp: 30.4 °C

pH: 7.92

Moist: 24.5 %RH

N: 3.0 ppm (0.0200%)

P: 10 ppm (0.0000%)

K: 0.0 ppm (0.0000%)

Salinity: 0.0500 dS/m

Notification

Field 1

Location: Gulshan 2

Status: Online

Temp: 25.6 °C

pH: 7.94

Moist: 24.5 %RH

N: 12.0 ppm (0.0230%)

P: 610 ppm (0.0060%)

K: 0.0 ppm (0.00480%)

Salinity: 0.0500 dS/m

Land Details

Field 1

Location: singair

Date/Time: 01:17:40 AM, 20 Feb, 2023

N: 3.0 P: 10

K: 10

■ N ■ P ■ K

12:20 AM 12:17 AM 12:32 AM 12:47 AM 01:02 AM 01:17 AM

Land Details

Field 1

Location: singair

Date/Time: 01:17:40 AM, 20 Feb, 2023

pH: 8.03 Salinity: 0.02

pH Salinity

12:20 AM 12:17 AM 12:32 AM 12:47 AM 01:02 AM 01:17 AM

The AI based alarm Bangla notification to the farmers on fertilizers proportions with recommended use of the fertilizers, water and other information about the crops (could be tomatoes or potatoes or onions or cauliflowers, etc.) in relationship to other produce to the farmers and authorities automatically over the Internet. It has solar power based power, stable performance, the characteristics of small volume, high cost performance, and low cost features, as well as advantages to the user equipment and system integration for soil nutrients remotely.