

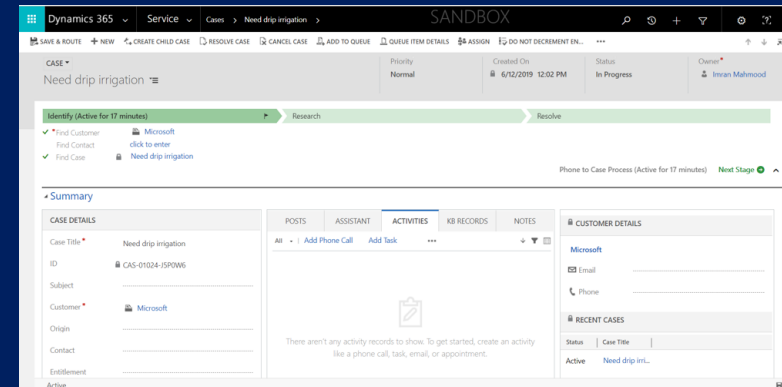
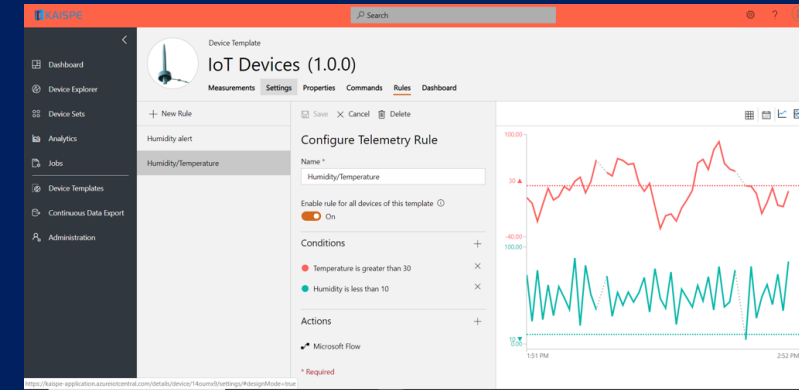
# KAISPE Agriculture Remote Monitoring

Powered by Microsoft Azure IoT Central



# Agriculture: Waste of Water Resources Due to Inefficiencies in Crop Irrigation

Traditional irrigation methods can waste around 30-40% of water used due to overwatering, not considering crops conditions and climate data. A smart irrigation system leveraging the power of IoT, cloud and data analytics will be very helpful to reduce the wastage and improve the bottom line.



## Challenges

Water resources are scarce and excessive consumption of water makes it worse. It does not only increase the cost but also impacts on crops growth. Often farmers do not consider the soil and weather conditions for irrigation.

## Ideal Solution

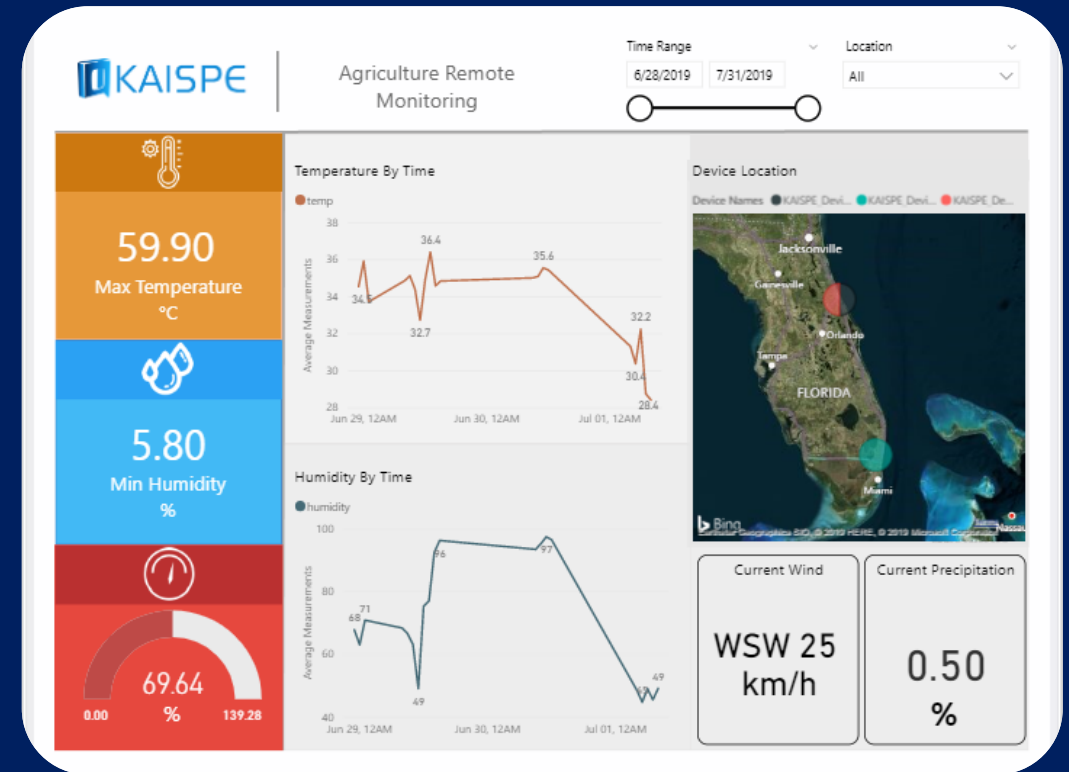
Our solution can help you monitor crop's irrigation requirements by considering key information like air temperature, soil moisture, weather conditions etc. using Azure IoT Central and connected IoT devices.

## Desired Outcomes

You can gain insights into key data using Microsoft Power BI dashboard to make timely decisions about when and where irrigation is required. This helps in saving water, electricity, fuel and other related costs that ultimately results in more crop growth and high profit margins.

# KAISPE Agriculture Remote Monitoring

Smartly use water for crops irrigation with our remote monitoring product powered by Microsoft Azure IoT Central, Power BI and Microsoft Dynamics 365



## Highly Scalable and Configurable

Developed on Microsoft Azure IoT Central, our solution can scale up as your agriculture field area increases and so the number of IoT devices installed in the field. You can configure it to add more relevant device telemetry, properties and rules on device telemetry.

## Get Data Insights

The solution comes with a dashboard that gives you the insights into IoT devices installed in field and other relevant information like current air temperature, soil moisture, rain forecast, wind direction and speed. You can drill down to a certain field location or view historical data to make better decisions for crop irrigation.

## Integrate with Microsoft Dynamics 365

Using Azure LogicApps, the solution can also generate a case or work order record in Microsoft Dynamics 365 CRM, when a rule is triggered in Azure IoT Central. You don't have to worry about initiating the irrigation process and your selected vendor will automatically be intimated for that. Email notification can also be configured.

# Product Roadmap

2019 Q2



1.0.1

Key telemetry information only

Remote Monitoring  
Functionality

Email notifications

Power BI dashboard

Business integration with  
Microsoft Dynamics 365 (CRM)

OOB device compatibility with  
MXChip and Raspberry PI

2019 Q3



1.0.2

More telemetry information

Time Series Insights

Business integration with  
Microsoft Dynamics 365  
(Finance and Operations)

Predictive Maintenance using  
Microsoft Azure ML

Enhanced Power BI dashboard

Top features requested by  
customers & community

2019 Q4



1.0.3

Ongoing Development

Top features requested by  
customers & community



# KAISPE Agriculture Remote Monitoring

Get a free trial: [Application Template](#)

Call for more information: [315-791-4472]

Ask a question via email: [\[info@kaispe.com\]](mailto:info@kaispe.com)

Learn more: <https://www.kaispe.com>

