goenvi

> " Smart Monitoring for the surrounding environment is important for early warning & detection "

IOT SOLUTION

SMART MONITORING

FOR A BETTER TOMORROW

Our data-driven technology helps you make better decision thus allowing you to monitor your environment more efficiently which then leads to increased productivity.
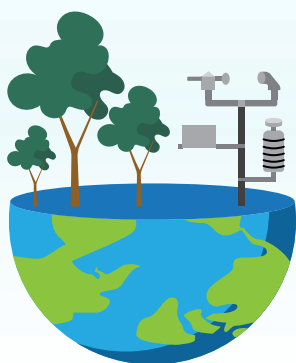
LEADER PROVIDER

Provides a beginner friendly platform that speeds up your learning process. You will receive expert's advices and suggestions on how to monitor your field.

ENVIRONMENTAL MONITORING

WEATHER FORECAST & ANALYTICS

SMART SENSING

A SMARTER SOLUTION FOR YOUR ENVIRONMENT MONITORING

Monitor Environmental Quality at Your Fingertips

Let us help you across every phase

SETUP ground station for your designated location

MONITOR and **MANAGE** station 24/7 from anywhere you want

Client can **PLAN** for further strategy and action

GoEnvi Smart Environmental Quality Monitoring Dashboard
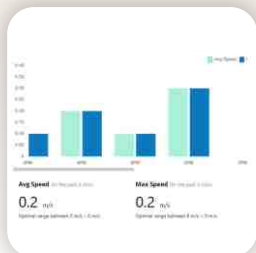

Weather Forecast

Air Quality Index

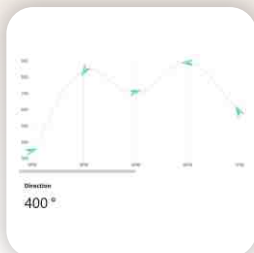**Temperature & Humidity**

Noise Level

Wind Speed

Wind Direction

Rainfall Intensity

Light Intensity

iradar

We're passionate to make farming more efficient, sustainable and profitable

SMART SENSING FOR A BETTER TOMORROW

ENVIRONMENTAL
MONITORING

WEATHER FORECAST
& ANALYTICS

SMART
SENSING

REALIZE THE SMART ENVIRONMENT!
Digitalize, Analyze & Plan your field

G3000 - GoEnvi Weather IoT Station

The weather station provides real-time and accurate data for environmental monitoring with timely monitoring predictive analytics. All weather operation with IP65 waterproof, user friendly, available with GPS location, low power consumption, high accuracy and cost effective.

Temperature Sensor
Ambient condition detection for mechanical asset monitoring applications

Rainfall Intensity Sensor
Know how much rain has fallen and optimizing the water usage

Humidity Sensor
Helps you make better decisions about water usage and pending rain

Wind Speed & Direction Sensor
Prediction of upcoming storms accurately for the preparation plan

G3100 - GoEnvi Air Quality IoT Station

Air Quality Station timely monitoring the environment air quality with predictive analytics. The Air Quality Station measures major air pollutants such as PM2.5, PM10, CO, NO2, SO2 and O3. It provides real-time and accurate data for environmental monitoring. All weather operation with IP65 waterproof grade, available with GPS location, user friendly, low power consumption, high accuracy and cost effective.

Air Pollution index
By knowing our surrounding air quality, we can take preventive steps to protect our community

Cloud-Based Analysis
One-Stop cloud-based platform for data processing, management and analytics

Greater Precision
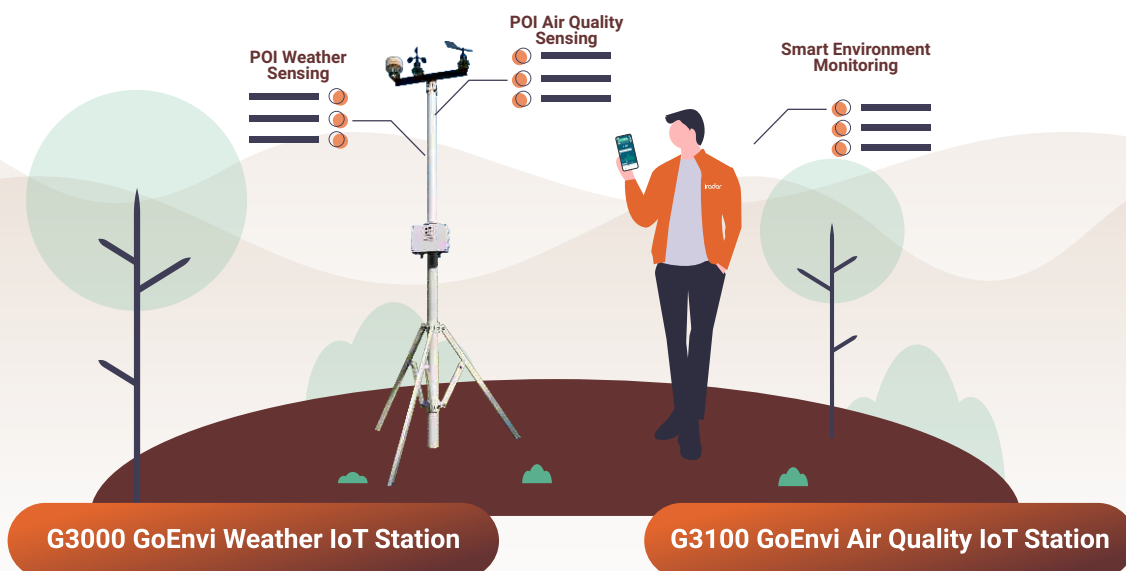Higher accuracy with minimized setup time, configuration and maintenance cycle

Paperless Tracking
Real time data collection, tracking and analysis with auto reports generation

Smart Environment IOT Station
Technical Specifications

POI Weather Sensing

POI Air Quality Sensing

Smart Environment Monitoring

G3000 GoEnvi Weather IoT Station

Package Includes	Temperature Sensing Module
	Humidity Sensing Module
	Rainfall Intensity Sensing Module
	Smart IoT Base Station
	IP65 ABS Chassis
	Built-in WIFI Module
	3 Meters Pole
	Ready for Immediate Deployment
Optional Add-on	•4G Module •Wind Speed Sensing Module •Wind Direction Sensing Module •Solar System Without Battery

G3100 GoEnvi Air Quality IoT Station

Package Includes	Temperature Sensing Module
	Humidity Sensing Module
	PM2.5/PM10 Sensing Module
	Smart IoT Base Station
	IP65 ABS Chassis
	Built-in WIFI Module
	3 Meters Pole
	Ready for Immediate Deployment
Optional Add-on	•4G Module •Noise Sensing Module •Wind Speed Sensing Module •Light Intensity Sensing Module •Wind Direction Sensing Module •Rainfall Intensity Sensing Module •Solar System Without Battery

Temperature | Humidity | Light Intensity | Noise | PM10 & PM2.5 Sensors

Ingress Protection	IP 65					
DC Power Supply	10-30 VDC	Maximum Power	0.8 W	Resolution	Respond Time	Output Signal
Sensors	Precision	Measurement Range	Long Term Stability			
Temperature	±0.5℃ (25℃)	-40℃ ~ 80℃	≤0.1℃/y	0.1 ℃	≤1s	
Humidity	±3%RH (60%RH,25℃)	0%RH ~ 99%RH	≤1%/y	1%	≤1s	
Light Intensity	±7% (25℃)	0 ~ 200000 Lux	≤5%/y	1 Lux	≤0.1s	RS485
Noise	±3db	30dB ~ 120dB	≤3db/y	0.1 dB	≤1s	
PM10 PM2.5	±10% (25℃)	0 - 1000ug/m3	≤1%/y	1 ug/m3	≤90s	

Wind Direction & Speed Sensors

Ingress Protection	IP 65	
DC Power Supply	10-30 VDC	
Maximum Power	0.3 W	
Sensors	Wind Direction	Wind Speed
Operating Temperature	-20℃ ~ 60℃, 0%RH ~ 80%RH	-20℃ ~ 60℃, 0%RH ~ 80%RH
Measurement Range	0 ~ 359.9°	0-60m/s
Dynamic Response Time	≤0.5s	≤0.5s
Precision	±1°	±(0.2+0.03V) m/s
Resolution	0.1°	0.1m/s
Start Speed	-	≥0.2m/s
Output Signal	RS 485	RS 485

Rain Gauge Sensor

Ingress Protection	IP 65
DC Power Supply	4.5V ~ 30V
Maximum Power	0.24W
Barrel Diameter	Φ200mm
Resolution	0.2mm
Sharp Edge	40° ~ 45°
Operating Temperature	0 ~ 50℃
Working Humidity	< 95%(40℃)
Storage Temperature	-40 ~ 125°C
Storage Humidity	< 80% (No Condensation)
Measurement Accuracy	≤±3%
Rain Intensity Range	0mm ~ 4mm/min (Max:8mm/min)

iradar

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