

## FACES2 SENSE

# ENVIRONMENTAL SENSOR MONITORING

A cloud-managed, sensor-monitored controller for smarter farms, buildings, and industrial sites. Connect almost any sensor and stream real-time data over 5G, LTE, 4G, Wi-Fi, or Ethernet to a unified web portal and mobile app for analysis, reporting, and alarms.

### WHAT IT MONITORS

- Soil
- Water
- Air & Gas
- Light
- Weather
- Air Pressure
- Air Flow
- Consumption



LIVE SENSOR DASHBOARD

## WHY CHOOSE FACES2 SENSE



### REAL-TIME DATA ANYWHERE

Live sensor data via 5G, LTE, 4G, Wi-Fi, or Ethernet.



### SCALABLE & EXPANDABLE

Unlimited controllers per site, grow intelligently.



### MOBILE & WEB DASHBOARDS

Remote monitoring, custom reports, and alarm triggers.



### FLEXIBLE & MULTIPURPOSE

Up to 24 sensors per controller for any environment.



### ALWAYS-ON UPTIME

UPS and cellular failover keep data flowing in outages.



### WIDE SENSOR RANGE

Soil, water, air, gas, light, weather, and many more.

### CONTACT US

## LET'S BUILD YOUR SMART SITE

Contact us to discuss a monitoring solution that helps your operation grow.

[www.FACES2.com](http://www.FACES2.com)

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SCAN TO EXPLORE

From field sensor to dashboard, FACES2 Sense gathers readings, keeps power and data redundant, and streams everything to the cloud for real-time analysis, reporting, and alarms, on web and mobile.



01

### CONNECT SENSORS

Up to 24 sensors via RS485, Zigbee, Wi-Fi, or BLE, range to 1.2 km.



02

### SMART CONTROLLER

Proprietary controller with redundant UPS power and data paths.



03

### CLOUD CONNECTIVITY

Streams worldwide over 5G, LTE, 4G, Wi-Fi, or Ethernet.



04

### MONITOR & ALERT

Web portal and iOS / Android app with reports and alarms.

## BUILT FOR EVERY ENVIRONMENT



### SMART FARMS

Optimize crop growth and manage resource consumption more efficiently.



### SMART BUILDINGS

Save energy by monitoring heating, cooling, lighting, and mechanical systems.



### SMART INDUSTRIAL

Revolutionize controls through remote monitoring and management.

24

SENSORS PER CONTROLLER

1.2 km

SENSOR CONNECTION RANGE

5

CONNECTIVITY OPTIONS

∞

CONTROLLERS PER SITE

## CONNECTIVITY & PROTOCOLS

Worldwide cellular-to-cloud, plus local sensor links.

5G

LTE

4G

Wi-Fi

Ethernet

RS485

Zigbee

BLE

## THE FACES2 SENSE HARDWARE FAMILY



### SMART CONTROLLER

The flagship unit, up to 24 sensors with redundant power and data.



### SMART MINI CONTROLLER

Compact, dual-antenna controller for tight installs and edge sites.



### 8 & 16-PORT HUB

Wired expansion hub adding 8 or 16 sensor ports per controller.

# THE SENSOR LINEUP

A growing catalog of sensors connects to FACES2 Sense, spanning agriculture, weather, environmental, industrial, and security monitoring, including our latest laser ranging and vape detection additions.



## SOIL

EC, salinity, N-P-K, moisture & temperature for irrigation and greenhouses.



## TEMPERATURE & HUMIDITY

Factory-calibrated air temperature and relative humidity, digital output.



## WIND

Corrosion-resistant wind speed and direction for weather and marine sites.



## RAIN & SNOW

Tipping-bucket precipitation measurement for meteorology and hydrology.



## LIGHT

High-sensitivity illuminance across multiple measurement ranges.



## AIR QUALITY

TVOC plus PM2.5 / PM10 monitoring for indoor and on-site air.



## NOISE

All-day fixed-point industrial noise-level monitoring.



## WATER QUALITY

pH / ORP, dissolved oxygen, and turbidity for treatment and aquaculture.



## GAS

CO, CO<sub>2</sub>, H<sub>2</sub>S, ammonia, ozone, combustibles and more, with alarm triggers.




## LASER DISTANCE MINI

Class-1 time-of-flight ranging up to 50 cm with millimetre precision.



## VAPE & THC DETECTOR

Wall-mount detection with on-device alarm beacon and instant alerts.



## CUSTOM SENSORS

Integrate new or existing sensors. We'll make it connect.

## CONNECT ANY WAY

New and existing sensors, wired or wireless.

RS485

ZigBee®

Wi-Fi®

Bluetooth®

Thread®

5G Cellular

**ONE PLATFORM. EVERY READING. REAL TIME.**

All sensor data unified in the FACES2 cloud with battery-backed 5G connectivity.

[WWW.FACES2.COM](http://WWW.FACES2.COM)