



# Kunak AIR Cloud

Air quality software

Simplify data analysis and get actionable insights for decision-making

REAL-TIME DATA | ALWAYS UPDATED

Our web-based air quality monitoring software helps environmental professionals to use and understand air quality data and delivers operational environmental intelligence to make better decisions.

Thanks to our bidirectional software, Kunak Cloud offers professionals a new way to handle remote settings configuration, alarms management, calibration and field operations, as well as a complete suite for air quality data analysis.

Kunak Cloud is a flexible modular software designed for user-friendly account management, simple network operation, intuitive data validation, and simple analysis and reporting.

The Kunak Cloud web platform is the powerful air quality software that completes the comprehensive Kunak AIR solution.



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



## Secure & Confidential

HTTPS/SSL protocols. Confidentiality and ownership of data guaranteed by EULA.



## Free continuous updates

Be always updated. Enjoy any new tool or functionality immediately without additional cost.



## Air Quality reports

Create customized reports to show AQ data in required formats to share with your clients or external agencies.



## Automatic supervision

Monitor the health of your stations & sensors remotely and troubleshoot with automatic tips.



## Reliable data guaranteed

Advanced algorithms for automatic data flagging. High quality and validated data.



## Pollution sources & Hot spots

Powerful air quality tools and advanced data visualization over the map.



## Remote troubleshooting

Service, diagnose and troubleshoot your stations remotely. Get remote support from our team.



## Data sharing & Integration

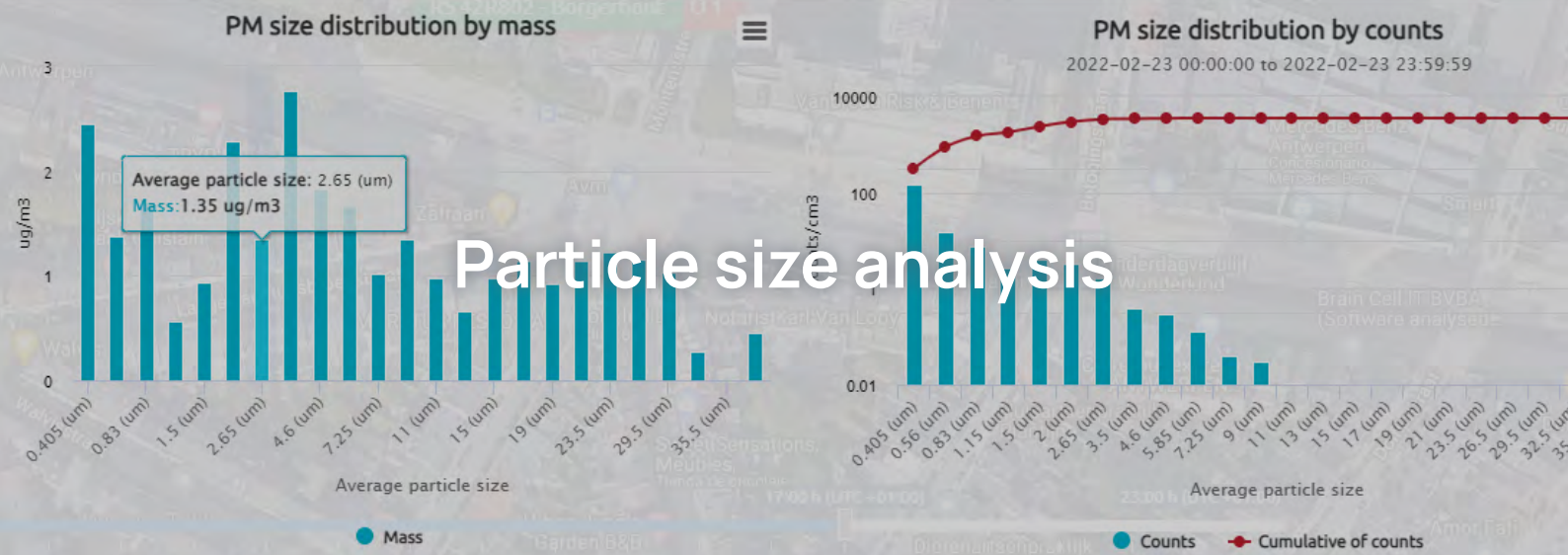
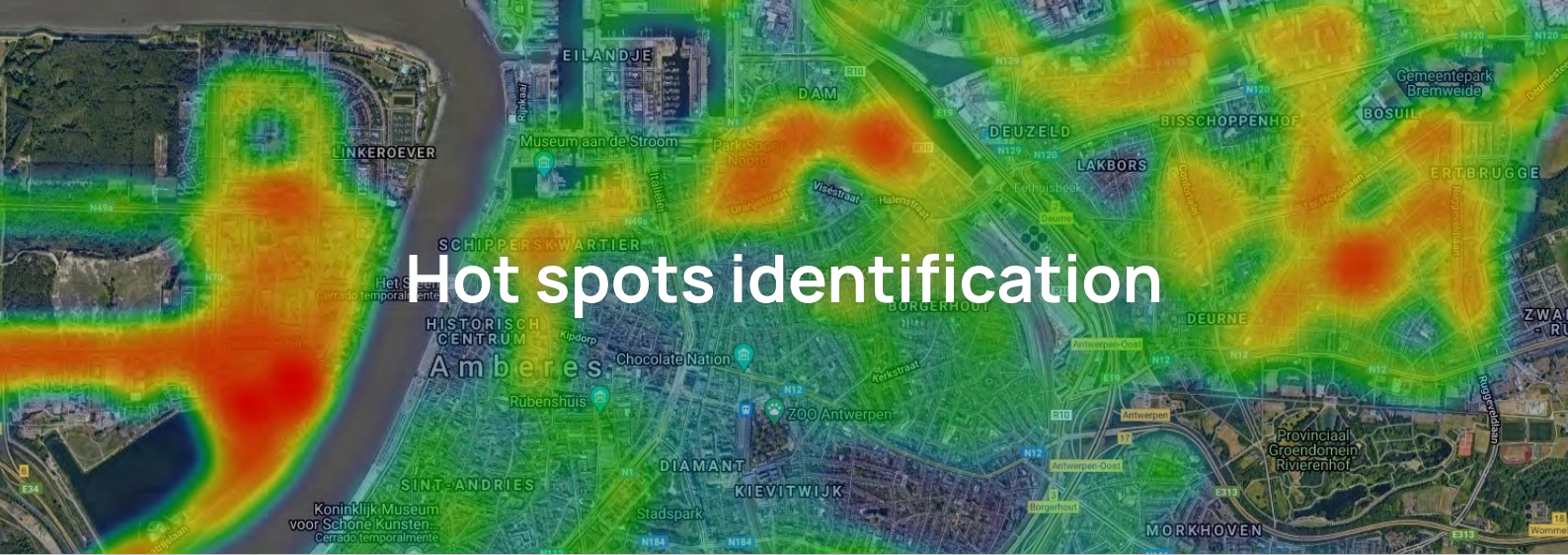
Share the collected data via API or export in different formats. Insert data from third party devices.



## Public Air Quality Data

Create public web portals and widgets to share air quality data with stakeholders.





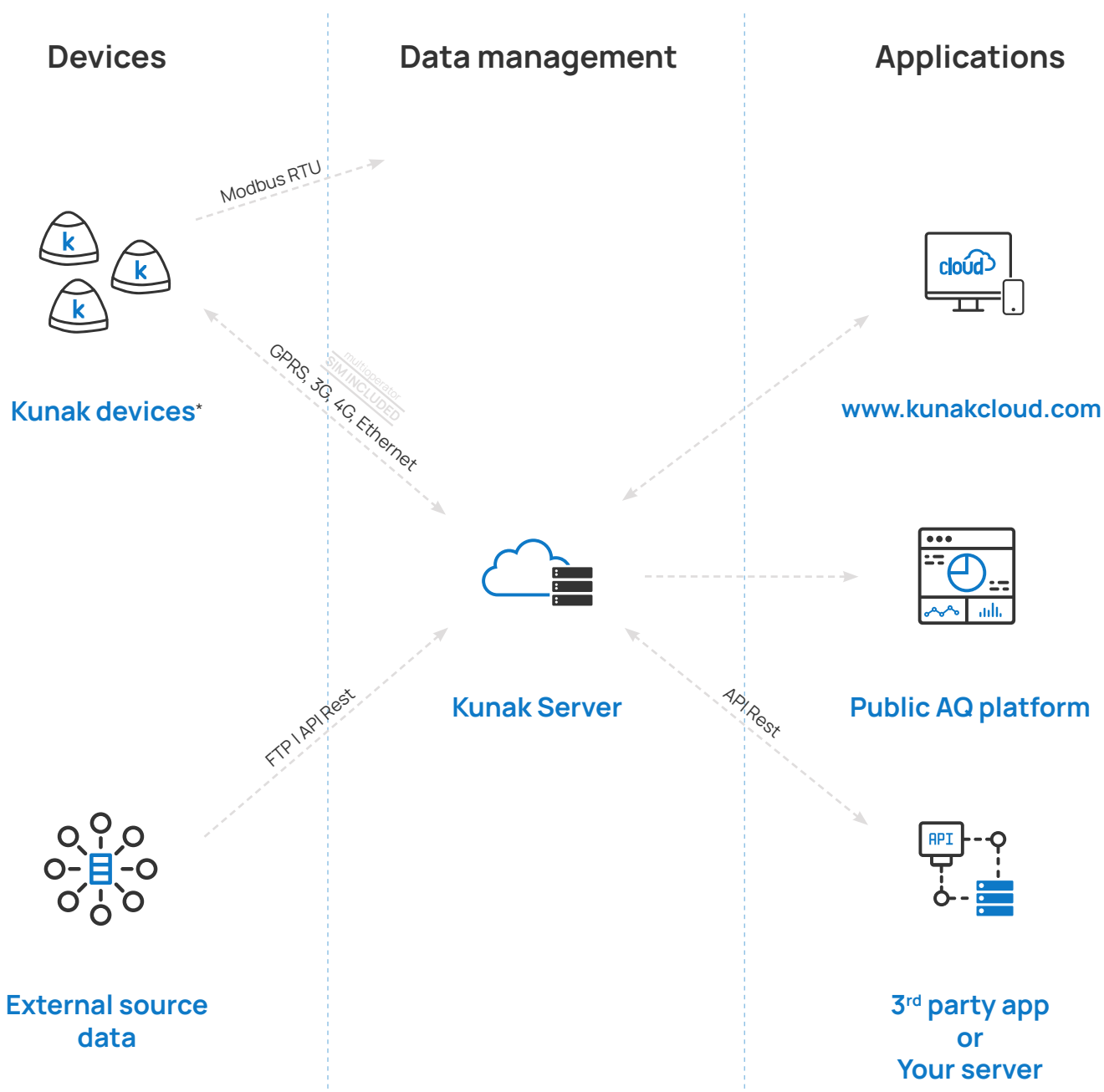




# Data architecture

Thanks to the secured encryption and direct communication protocols it allows bi-directional communications, and facilitates remote configuration, firmware updates and sensor calibration of the devices.

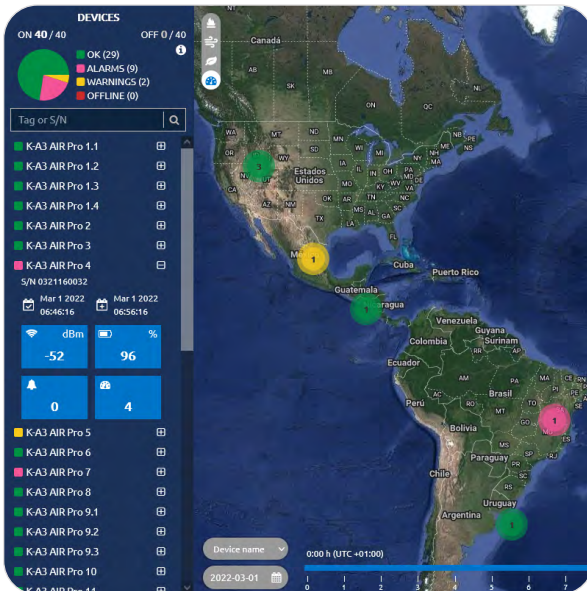
The communication protocols are designed for low power and low data consumption.



\*Data is calculated in each node independently, transparently and in real-time. Post-processing is not done in the cloud.



## Control panel



## Multiparametric analysis



## Alarms & Log traceability

Warnings Configuration Operation Tools

Parameters (99) Period: All

Alarm type: ☒ Active ☒ Unconfirmed ☒ Confirmed

Notifications Settings

100 entries per page Confirm selected alarms:

Status	Device	Periodicity	Parameter	Description
<input type="checkbox"/> Unconfirmed	K-A3 RENT 1	Hourly	Battery (%)	Device close to run out of battery
<input type="checkbox"/> Unconfirmed	K-A3 RENT 1	Instantaneous	Heartbeat	Heartbeat: Lost of connexion probably due to battery discharge. Persistence: 5, last connection: 2022-02-16 02:58:30 UTC
<input type="checkbox"/> Unconfirmed	K-A3 RENT 1	Hourly	Battery (%)	Device close to run out of battery
<input type="checkbox"/> Unconfirmed	K-A3 RENT 1	Instantaneous	Heartbeat	Heartbeat: Lost of connexion probably due to battery discharge. Persistence: 5, last connection: 2022-02-15 01:51:18 UTC
<input type="checkbox"/> Unconfirmed	K-A3 RENT 1	Hourly	Battery (%)	Device close to run out of battery
<input type="checkbox"/> Unconfirmed	K-A3 RENT 1	Hourly	Battery (%)	Device close to run out of battery
<input type="checkbox"/> Unconfirmed	K-A3 RENT 1	Hourly	Battery (%)	Device close to run out of battery
<input checked="" type="checkbox"/> Confirmed	K-A3 RENT 1	Instantaneous	Geolocation	The device could NOT be geolocated correctly
<input checked="" type="checkbox"/> Confirmed	K-A3 RENT 1	Instantaneous	Heartbeat	Heartbeat: Connection has been lost. Persistence: 2, last connection: 2022-01-19 11:33:37 UTC

## CMMS

Warnings Configuration Operation Tools

Event info

Category: Installation / Relocation Device: K-A3 AIR Pro 1.3

Time zone: UTC Coordinated Universal Time Created by: kunak auto (Kunak)

Date: 2022-01-19 10:23

Latitude (°): 36.521656 Longitude (°): -6.244758

☐ Update device position

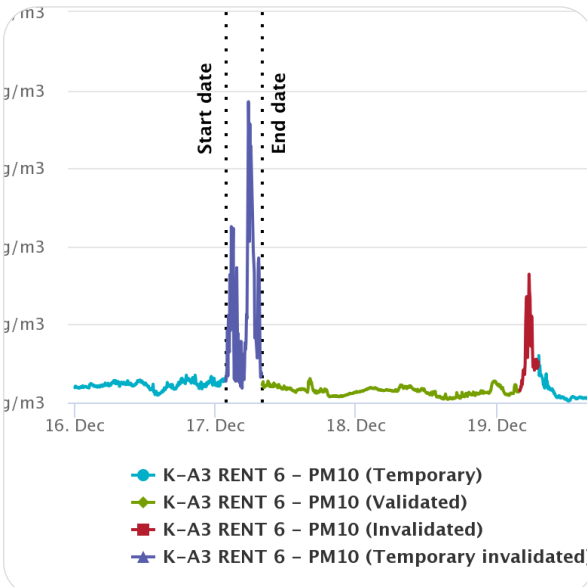
\* Se puede cambiar la posición del marcador arrastrándolo en el mapa a la nueva localización.

Description: Kunak auto: Latitude = 36.521656, Longitude = -6.244758, by GPS

Observation:

Attached Files:

## Data validation



## Customized reports





# Software plans

## 1 Get your Admin account (only required per customer, billed annually)

Manage users and accounts, and easily operate the network; configure, operate, calibrate and maintain the stations, as well as validate, analyse data and create reports.

## 2 Choose the device's package (1 package per device is required, billed annually)

Select the licence package that best suits your needs and allows you to get the most of the data provided by the sensor network. Choose between:



**Starter**



**Starter +  
Operation**



**Starter +  
Analytics**



**Full**

## 3 Add additional users according to your needs (optional, billed annually)



**Viewer**

Always keep on track with diagnosis, operation and maintenance works; and have access to consult validated data, custom analytics and reports.



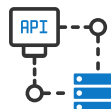
**Expert**

Easily manage the network; configure, operate, calibrate and maintain the stations as well as validate and analyse data and create reports.

## 4 Provide public data or integrate external info into or from third-party platforms.



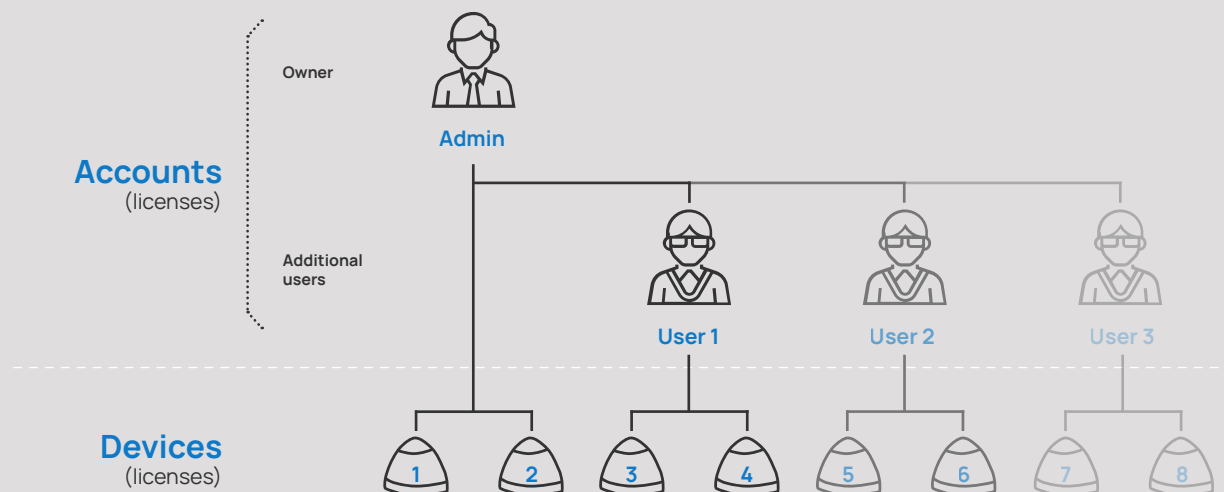
Give access to your data through open web tools (widget / website).



Integrate external data from your air quality systems into a single platform (Kunak Cloud).

## 5 Log in to Kunak Cloud (and start operating your network)

Got to [www.kunakcloud.com](http://www.kunakcloud.com)





# Features of each software package

USER ACCOUNTS		Admin	Expert	Viewer
Choose your units, e.g. gas concentration in ppb or µg/m³		✓	✓	✓
Confidentiality and Ownership of data guaranteed by EULA agreement (consult)		✓	✓	✓
ISO 27001 approved cloud data centers (AWS)		✓	✓	✓
Infrastructure monitored and protected 24/7		✓	✓	✓
FAQs, knowledge base, e-mail support with replying asap.		✓	✓	✓
Admin tools (manage users, billing, link devices...)		✓	✗	✗
API call limit / month		10,000 calls		
STARTER PACKAGE				
Check the status of your devices		✓	✓	✓
Basic diagnostic information		✓	✓	✓
Follow the actions taking place in your devices (O&M logbook)		✓	✓	✓
Access to traceability info and receive notifications when the cartridges end the lifespan		✓	✓	✓
Automatic data-flagging		✓	✓	✓
Dashboard & Map View		✓	✓	✓
Multiparametric and Multidevice Charts & Tables, and download the data (.csv, .txt)		✓	✓	✓
Automatic averages calculations according to AQ standards		✓	✓	✓
Access to interactive AQI tool (EU and EPA. Others under request)		✓	✓	✓
Configure your devices (sampling and sendig periods, specific features...)		✓	✓	✗
Set alerts, thresholds and receive notifications by email		✓	✓	✗
Data Storage time limit		1 year		
OPERATION PACKAGE				
Gas & Particle Calibration Tool: calibrate your devices remotely		✓	✓	✗
Automatic health supervision alarms (broken sensor, out of battery, lack of data...)		✓	✓	✗
Register manually every intervention on the device (upload photos, pdf, documents)		✓	✓	✗
Computerized Maintenance Management System (CMMS)		✓	✓	✗
Activate the automatic invalidation of data during interventions & maintenance		✓	✓	✗
Manage your AQ data by locations assigning devices to specific spots		✓	✓	✗
ANALYTICS PACKAGE				
Pollution roses and polar plots over the map		✓	✓	✓
Heatmap to detect hotspots over an area		✓	✓	✓
Time-varying heatmaps to know evolution of hotspots over time		✓	✓	✓
Particulate size analysis tool (particle size distribution by counts and by mass)		✓	✓	✓
OpenAir Suite for advanced analytics		✓	✓	✗
Data Validation Tool for manual data flagging		✓	✓	✗
Create automatic AQ reports		✓	✓	✗

DEVICES