COMLADA

BREATHE CONFIDENCE.

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GORD

المنظمـة الخليجيـة للبحـث والتطويـر
GULF ORGANISATION FOR RESEARCH & DEVELOPMENT

Continuous Indoor Air Quality (IAQ) Intelligence
Powered by GORD Innovation

TRANSFORM SPACES WITH SMARTER AIR INSIGHT

Comlada revolutionizes indoor environmental health by integrating GORD's unmatched sustainability expertise with advanced Air Quality Monitoring System(AQMS). Engineered for real-time surveillance of up to 20 critical parameters, it empowers facility managers to elevate occupant well-being and maintain compliance with leading global green standards (GSAS-OP, GSB Healthy Building Label, WELL, and equivalents). By combining premium, configurable sensors, intelligent network logic, and an intuitive dashboard, Comlada delivers precise, actionable IAQ insights.

Installation is a breeze—each unit is up and running in under ten minutes, continuously measuring gas and particulate pollutants alongside essential environmental metrics. With secure, remote access to live data and device controls, Comlada places the power of impactful air quality decisions in your hands, anytime and anywhere.

REAL-TIME MONITORING

Continuously tracks gases , particulates , and environmental conditions to support occupant well-being and green building compliance (GSAS- OP, GSB, WELL, and more).

FAST, HASSLE-FREE SETUP CONTROL

Installs in under 10 minutes—no complex wiring or configuration needed

POWERFUL, CONFIGURABLE TECHNOLOGY

Combines high-precision sensors, intelligent network logic, and an intuitive

CONTROL ANYTIME, ANYWHERE

Secure remote access to live data and device settings puts air quality management at your fingertips.

WHY CUMLADA?

FEATURES	TECHNICAL ADVANTAGE	COMMERCIAL ADVANATGE
COMPREHENSIVE MONITORING	Real-time tracking of up to 20 parameters: PM2.5, PM10, CO_2, TVOC, Formaldehyde, O_3, CO, CH_4, SO_2, NO_2, H_2S, NH_3, O_2, H_2, Illuminance, Noise, Temperature and Humidity.	Single-device solution significantly reduces sensor costs and installation complexity, delivering substantial cost savings.
HIGH QUALITY IOT ARCHITECTURE	Robust high-quality sensors with RJ45 Ethernet, Wi-Fi and 4G/LTE.	Ensures future-proof scalability, ideal for large campuses, malls, commercial high-rises, and expansive facilities.
PRECISION & RELIABILITY	$\pm0.5°C$ temperature accuracy, $\pm3\%$ RH humidity precision, $\pm5\%$ full-scale gas accuracy, and auto-calibration for critical gases (e.g., SO_2, NH_3). Durable ABS casing suitable for $-10°C$ to $55°C$.	Reduction in calibration costs compared to competitors; backed by a comprehensive 1-year warranty
SMART ANALYTICS	GORD's proprietary analytics platform offers trend analysis, real-time alerts, and automated compliance reporting ($CO_2 < 800$ ppm, $TVOC < 500$ ppb).	Cut energy bills by via data driven ventilation
DEPLOYMENT FLEXIBILITY	Ceiling or wall mounted sensors powered by 220V AC .	Rapid installation: <10 mins. Zero infrastructure overhaul.
CUSTOMIZABLE DASHBOARD	Desktop/Laptop and Mobile App.	

IDEAL FOR THESE APPLICATIONS

Comlada adapts seamlessly to diverse environments—empowering smarter healthier, and safer spaces with real-time air quality intelligence.

Corporate HQs: Enhance productivity through optimized CO_2/O_2 levels.

Educational Institutions: Ensure safe classroom environments with PM2.5 and CO_2 alerts.

Hospitals:Mitigate risks from pathogens and formaldehyde exposure

Hospitality Industry: Maintain high air quality standards by managing TVOC and odor.

Public facilities – Malls, Libraries, places of congregation etc

Labs: Immediate alerts for hazardous gases like H_2S and CH_4.

BENEFITS

Remote Device Management

Centrally configure, monitor, and control multiple sensors from your office, home, or on the go.

Seamless Updates

Receive over-the-air updates with zero manual intervention.

Resilient Data Handling

Automatic local data buffering during network outages, with instantaneous synchronization once connectivity is restored

Intuitive Dashboard

Access a user-friendly we band mobile interface for live monitoring, customizable alerts, and detailed reports.

Rapid Deployment

Plug-and-play installation—each unit is operational in under 10 minutes, minimizing downtime.

Lock-down Security

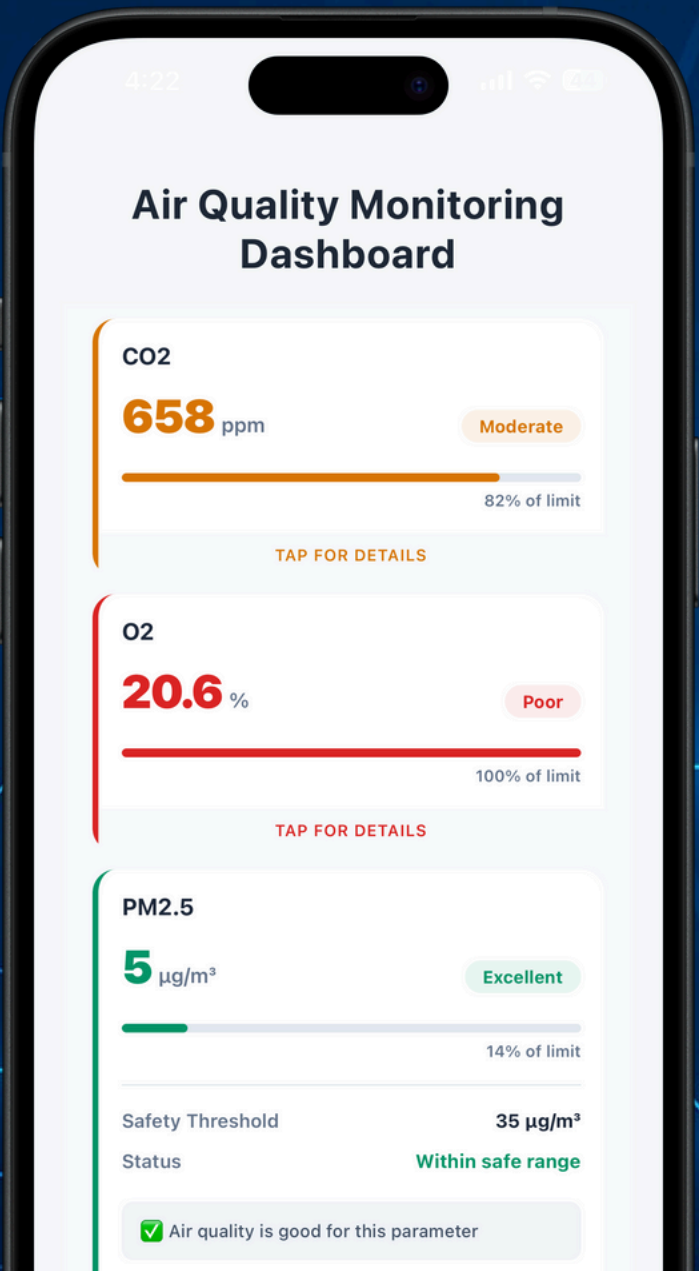All communications employ secure token-based authentication to safeguard your data.

TECHNICAL SPECIFICATIONS

PARAMETER	RANGE	ACCURACY
Air temperature	-10 ℃ ~ +55 ℃	±0.5 ℃ (25 ℃)
Air humidity	0 ~ 100 %	±3% RH (60%RH, 25 ℃
Air pressure	0~120 kPa	±0.15 kPa @ 25 ℃ 75 kPa
Illuminance	0~200,000 Lux	±7% (25 ℃)
Noise	30~130 dB	±3% F.S
PM2.5	0~1000 ug/m³	±10%
TVOC	0~60,000 ppb	±8% FS ±125 ppb
CO_2	0~5000 ppm	±(40ppm + 3%F.S)
Formaldehyde	0~5 ppm	±5% FS
Ozone	0~10 ppm	±6% FS
O^2	0~25% Vol	±3% FS
PM10	0~1000 ug/m³	±10%
CH_4	0~100LEL	±5% FS
CO	0~1000 ppm	±3% FS
NO_2	0~20 ppm	±3% FS
SO_2	0~20 ppm	±3% FS
H_2	0~1000 ppm	±3% FS

PARAMETER	RANGE	ACCURACY
Heat index	20 ℃ ~ 65 ℃	±0.5℃ (calculated from air temprature & humidity accuracy)
Wet bulb temprature	15 ℃ ~ 35 ℃	±0.5℃ (calculated)
Humidity ratio	10 ℃ ~ 100 ℃	±3% RH (60%RH, 25 ℃

MONITORING DASHBOARD
(MOBILE & WEB)

Stay connected anytime, anywhere with our monitoring dashboard — accessible on both mobile and web. Track real-time air quality, receive instant alerts, and make informed decisions at your fingertips.

LET'S WORK TOGETHER...

PILOT PROGRAM:

Test Comlada at your facility.

CUSTOMIZATION:

Tailor dashboards to GSAS / WELL / GSB Healthy Building Label / Equivalent KPIs.

SUPPORT:

Technicians & 24/7 monitoring portal.