



Pollution affects you even indoors!

EnviroBee

Ensure a safe workspace and living space with our smart indoor air quality monitoring system.



Whats in the air?

There is a direct correlation between the quality of the air we breathe and our health. Thanks to rapid industrialization, internal combustion engines and crop burning/ forest fires, there may be more in the air that we breathe in than what is safe for us!



The presence of any of these chemicals in our environment in quantities above certain thresholds, causes both **long-term and short-term adverse health effects**.

Many of us also work in medical/ scientific establishments and laboratories where the presence of these harmful environmental factors may adversely affect our work and degrade the quality of biological materials being handled.

That is why we ensure that such locations are properly demarcated as **clean-rooms** and enough precautions are taken to avoid contamination of these spaces.



The following are some of the environmental factors that typically need to be monitored:

- Temperature
- Humidity
- Dust particles (PM 2.5 micron, PM 1.0 micron),
- Volatile Organic Compounds (Ethane, Isoprene /2-methyl-1,3 Butadiene, Ethanol, Acetone, Carbon Monoxide)
- Carbon Dioxide



Air-quality On Your Fingertips

What if you could monitor, act, and audit these environmental factors from anywhere in the world?



Presenting

EnviroBee™

A comprehensive environmental factor monitoring solution for both residential and workspaces, accessible from any device, anywhere in the world, available round the clock.



Smart Digital Wireless Sensors

Deploy smart digital sensors that can accurately and periodically sense changes in temperature, humidity, pressure, dust particle count, VoC concentration and Co2 presence, with low calibration drifts/ auto-calibration features.

And more importantly, transmit this information **wirelessly**. So that you could access these control points anywhere in the world, at any time and over multiple interfaces including messaging platforms like **WhatsApp™!**

Get alerts in near-real-time and audit reports to analyse past performance powered by our AWS cloud hosted subscription service. All with just a few clicks.

Presenting **EnviroBee™**

The image collage illustrates the EnviroBee sensor system. On the left, the physical sensor is shown with its yellow battery pack and internal components. In the center, a man in a leather jacket is using a smartphone. On the right, a dashboard interface displays data for two fridges, Frige B and Frige A, including temperature gauges and line graphs. A WhatsApp chat window in the foreground shows real-time alerts for temperature, humidity, and battery levels. A table below the dashboard shows the data points from the chat.

Timeline	temperature (°C)	battery value
2022-02-21 22:54:33	-6.06	100
2022-02-22 00:56:54	-6.12	100
2022-02-22 02:59:17	-5.81	100
2022-02-22 05:01:42	-5.68	100
2022-02-22 07:04:03	-5.6	100
2022-02-22 08:06:25	-5.56	100
2022-02-22 10:08:47	-5.5	100
2022-02-22 12:11:09	-5.46	100
2022-02-22 14:13:31	-5.42	100
2022-02-22 16:15:53	-5.38	100
2022-02-22 18:21:15	-5.34	100
2022-02-22 20:26:37	-5.3	100
2022-02-22 22:31:59	-5.26	100
2022-02-23 00:37:21	-5.22	100
2022-02-23 02:42:43	-5.18	100
2022-02-23 04:48:05	-5.14	100
2022-02-23 06:53:27	-5.1	100
2022-02-23 08:58:49	-5.06	100
2022-02-23 11:04:11	-5.02	100
2022-02-23 13:09:33	-4.98	100
2022-02-23 15:14:55	-4.94	100
2022-02-23 17:20:17	-4.9	100
2022-02-23 19:25:39	-4.86	100
2022-02-23 21:31:01	-4.82	100
2022-02-23 23:36:23	-4.78	100
2022-02-24 01:41:45	-4.74	100
2022-02-24 03:47:07	-4.7	100
2022-02-24 05:52:29	-4.66	100
2022-02-24 07:57:51	-4.62	100
2022-02-24 10:03:13	-4.58	100
2022-02-24 12:08:35	-4.54	100
2022-02-24 14:13:57	-4.5	100
2022-02-24 16:19:19	-4.46	100
2022-02-24 18:24:41	-4.42	100
2022-02-24 20:29:63	-4.38	100
2022-02-24 22:34:85	-4.34	100
2022-02-24 24:40:07	-4.3	100



EnviroBee™ Specifications

Mix and match various sensor and deployment options as shown below:

All online functionalities including access to the dashboard and messaging alerts are subject to monthly/ annual subscription to these services.

Sensor (S)

- A. Temperature only.
Maxim Integrated Products, Inc (USA)
-55°C to +125°C
- B. Temperature + Humidity
Sensirion AG, (Switzerland)
-40°C to +125°C
RH: 0 to 100%
NIST calibration and traceability
- C. VoC sensor
Bosch GmbH, (Germany)
-40°C to 85°C
RH: 0 to 100%
VoC: 5% accuracy
- D. Co2 sensor
Sensirion AG, (Switzerland)
Photoacoustic real Co2
- E. Dust particle sensor
Samyoung (Korea)
PM1.0
PM2.5

Display (D)

- A. TFT LCD color display 2.0"

Power (P)

- A. Micro-USB 5V
Use standard AC line voltage
powered power supply.
- B. 2000mAH Li-Ion cell backup
for 6 hours with charging

Wireless (W)

- A. WiFi 2.4 GHz
Standard WiFi access
required.
~100m range.



For More Information

Please reach out to us through any of the following channels to know more about EnviroBee® or to discuss how our smart sensors could transform your business!



Website



tinkerbee.in/envirobee



YouTube



<https://youtube.com/shorts/CFFyyXaDgJg?>



WhatsApp



+919353643915



Email



info@tinkerbee.in

(Please scan these QR codes using your mobile devices to directly access these options)



About us

At Tinkerbee, we make smart sensors, actuators, low-power micro computing devices, advanced wireless networks, and cloud infrastructure work for you.

End-to-end solutions that measure, analyse, take actions, and present actionable insights. So that you get to spend your time on what really matters. We exist to **#maximizeYourLife**.

 <https://tinkerbee.in>

 https://twitter.com/tinkerbee_in/

 <https://www.linkedin.com/company/13737530/admin/>

Government of India, Ministry of Communication, Department of Telecommunications
M2M Service Provider for providing M2M services

Registration No:KTK/MW/100006/0722

[Stock image courtesy: pixabay.com, rawpixels.com]



Support

Tinkerbee provides documentation/ video guides, 24x7 email and WhatsApp™ messaging support for all its subscribers and devices for help with installation, onboarding, configuration, and account management. There is an integrated ticketing system on the online dashboard app that enables the customer to raise a ticket on any of his/ her devices and track them in real-time. Our endeavour is to provide a **24-hour** turnaround on any issue raised!

Depending on the scale of deployments, Tinkerbee may enter into agreements with regional partner entities from time to time who could provide additional sales channels, support options, and special services on a cost-basis and pursuant to specific agreements and SLAs.

Warranty

Tinkerbee warrants its product(s) to be free from defects in material and workmanship, for a period of one year from the date of shipment.

In no event shall Tinkerbee be liable or have any responsibility under such warranty if the product(s) has been improperly stored, installed, used or maintained, or if any unauthorized modifications, adjustments and/or repairs were done to such product(s).

Tinkerbee's obligation hereunder is limited solely to repairing or replacing (at its opinion), at the factory any product(s), or parts thereof, which are proven to Tinkerbee's satisfaction to be defective as a result of defective materials, or workmanship and within the period of time, in accordance with the stated product warranty, provided, however, that written notice of claimed defects shall have been given to Tinkerbee within thirty (30) days from the date of any such defect is first discovered. The product(s) claimed to be defective must be returned to Tinkerbee, transportation prepaid by Buyer, with written specification of the claimed defect. Evidence acceptable to Seller must be furnished that the claimed defects were not caused by misuse, abuse, or neglect by anyone other than Tinkerbee.

Tinkerbee will return ship all warranty repairs or replacements at no cost to the customer. Any VAT or local country taxes are the responsibility of the owner of the product.

The foregoing warranty is in lieu of all other warranties (except as Title), whether expressed or implied, including without limitation, any warranty of merchantability, or of fitness for any particular purpose, other than as expressly set forth and to the extent specified herein, and is in lieu of all other obligations or liabilities on the part of Seller.

Tinkerbee's maximum liability with respect to these terms and conditions and any resulting sale, arising from any cause whatsoever, including without limitation, breach of contract or negligence, shall not exceed the price specified of the product(s) giving rise to the claim, and in no event shall Tinkerbee be liable under this warranty otherwise for special, incidental or consequential damages, whether similar or dissimilar, of any nature arising or resulting from the purchase, installation, removal, repair, operation, use or breakdown of the product(s) or any other cause whatsoever, including negligence.





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