



# BOLT TEMPERATURE AND HUMIDITY MONITOR

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## THE STORY

The BTHM is a smart temperature and humidity monitor that is developed on Bolt.

In December 2015, ITC limited approached us with a rather interesting requirement. They wanted to monitor temperature and humidity conditions in their tobacco curing farms with a real time alarm system, so that the yield could be optimised.



ITC works with contract farmers, who supply them cured tobacco leaves.

These farmers still use age old traditional methods to measure temperature levels, which are highly inefficient. We met with the farmers and started collecting the temperature and humidity levels to understand whether the traditional methods were accurate. Our data said that over 45% of data points (temperature levels) were above the critical temperature. This was unacceptable and the biggest challenge to overcome was training the farmers to forgo their traditional ways and start using technology.

Consequently, while other vendors quoted a time of 6 months to deploy such a system in remote villages, we built a fully functional prototype in 6 weeks time. The prototype accurately measured temperature and humidity levels in the curing barns and sent SMS/email alerts whenever the threshold was crossed. Pretty neat, right?

After dozens of iterations and design changes, we developed the BTHM - an industry agnostic temperature and humidity monitoring solution. The BTHM is live in tobacco farms, pharmaceutical production facilities and commercial spaces.

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## Plug and Play

BTHM is an easy to use, plug and play device that requires zero instalment cost.



## Real-time Alerts

Get instant alerts via SMS or Email whenever the temperature/humidity levels cross a threshold.



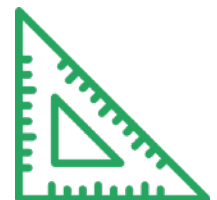
## Industrial Grade

The BTHM is equipped with industrial grade temperature sensors, which boast a range of -40 to +125 degrees celsius.



## Remote Calibration

Unique feature of calibration history storage, which lets you shift back to older calibrations.



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## Pharmaceutical Production Facilities



Temperature sensitive pills and Pharma products require constant monitoring. The BTHM helps Pharma companies save millions with timely alerts and makes compliance guidelines easy to fulfil. The BTHM is live in MolBio, a Goa-based Pharma company.

## Tea/Tobacco curing

The quality of tea and tobacco leaves after curing process largely depends on how the temperature and humidity levels were maintained. The BTHM is deployed in ITCs tobacco curing barns.



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## Food Industry

With compliance guidelines getting strict by the day, it is mandatory to maintain temperature and humidity within a range while storing and transporting food items.



## Data Centers

Server rooms and data centers are full of expensive machines that are made to operate within a temperature range.

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## SCHEDULE A FREE DEMO TODAY

What you see is what you get. Drop us a mail or give us a call to schedule a free demo.

Contact Us:

Mr. Ishan Dave

BTHM Sales Manager

+91 95033 70833

Ishan.dave@bolttiot.com

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