

SENSORS FOR AMBIENT TEMPERATURE

Small and powerful, our sensors give your building a competitive edge

Sensors from Disruptive Technologies ensure buildings are energy efficient and comfortable. The result? Cost savings and happy, productive employees. A 10% decrease in energy use can lead to a **1.5% increase in net operating income**.

Improve energy efficiency

Energy use represents about 19% of total expenditures for a typical office building. Even a 10% decrease in energy use can lead to a **1.5% increase in net operating income**, increasing an 18.5 square meter (200k square foot) asset value by \$500,000. Sensors can detect that unoccupied spaces are cooled or heated, causing energy waste. With this data, site managers can adjust systems to run only when needed. When energy costs decrease, tenants benefit because building owners can reduce service costs and invest resources back into the building.



Improve tenant wellbeing

Office workers need to feel comfortable — not too hot, not too cold, but just right. Indoor temperature affects thermal comfort, perceptions about air quality, feelings of sick building syndrome and performance. About eight in 10 workers have a hard time concentrating if they're too hot. Facility managers and front desk staff are accustomed to fielding complaints about temperature - in fact, **68% say temperature is the biggest complaint** they receive, but they don't have accurate data to respond. Staff may manually override systems designed for energy efficiency, but if they neglect to reset the system or log changes, energy goals aren't met and managers can't pinpoint the reason. Temperature data helps resolve disputes and keep systems running.



Why Disruptive Technologies Sensors

First-generation sensors were bulky, complex and often inaccurate. We've completely rethought sensor design to enable data collection anywhere and everywhere.

There's no need to "rip and replace" legacy systems to turn them into "smart" equipment.

- Mini-sensors are the size of a postage stamp
- Low power consumption means long battery life (up to **15 years**)
- Robust construction
- Cost efficient
- Direct connections provide maximum accuracy
- Industrial-grade connectivity and built-in redundancy
- Supports next-generation Internet of Things (IoT) networks
- End-to-end security built into the design
- Extensible platform to integrate into your systems



CONTACT US TO LEARN MORE

Sensors anywhere. Insights everywhere.

Disruptive Technologies is a rapidly growing innovator in the IoT market and developer of the world's smallest commercial-grade wireless sensors. Our sensing solution based on these mini-sensors simplifies data collection and delivers the data securely to our partners' analytics programs in the cloud.

Leading-edge companies build radically different smart solutions on our platform for Industry 4.0, commercial real estate, retail, food service and safety, and connected living applications. Together we enable facility managers to maximize space and keep tenants happy, pharmacists to ensure drugs don't spoil, and engineers to protect critical assets. From predictive maintenance to proper refrigeration, we're connecting people and information to deliver Connected Change™.

To learn more, visit www.disruptive-technologies.com

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