AMBIENT TEMPERATURE

AMBIENT TEMPERATURE MONITORING GIVES YOUR BUILDING A COMPETITIVE EDGE

"Too hot." "Too cold."
Facilities managers hear these complaints every day.
Sensors from Disruptive Technologies ensure buildings are energy efficient and comfortable.
The result?
Cost savings and happy, productive employees.

Sensors Improve Energy Efficiency
Energy use represents about 19% of total expenditures for a typical office building.[i] 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.[ii]

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.

Reduce Hot/Cold Calls and 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.[iii]

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.[iv] 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 as they should.

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68% of facility managers say temperature is the biggest tenant complaint.

[i] National Grid
[ii] Energy Star
[iii] World Green Building Council
[iv] Setpoint Systems

TEMPERATURE SENSORS GIVE YOU THE INSIGHT YOU NEED TO MAKE THE RIGHT DECISIONS

Benefits for Facilities Managers	Benefits for Property Owners	Benefits for Tenants
Less energy consumption Fewer calls to engineers	Higher rental income Higher occupancy rates	Increased worker productivity and wellbeing

How It Works

Disruptive Technologies mini-sensors can be installed in conference rooms, offices, server rooms, windowsills and other places to ensure each room is set to the right temperature at the right time.

Sensors connect securely through Cloud Connectors with built-in cellular M2M and Ethernet and stream data through open APIs into any analytics platform. The Cloud Connectors relay traffic between all sensors in range and the Disruptive Technologies Cloud without the need for any user configuration or intervention.

Disruptive Technologies provides the secure sensor-to-cloud solution, while our partners provide the final application software and services. Disruptive partners are highly skilled teams of experts that provide all levels of support throughout the entire installation, configuration, and analysis process.

Why Disruptive 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 = long battery life
- Direct connections provide maximum accuracy
- Supports next-gen internet of things (IoT) networks
- Industrial-grade connectivity and built-in redundancy
- End-to-end security built into the design
- Extensible platform to integrate into your systems
- Robust construction
- Cost efficient

Powered by:

DISRUPTIVE
TECHNOLOGIES