

Energy Efficient Indoor Air Quality Improvement Is Critical to Educational Facilities

The Challenge

In a post COVID-19 environment, in order to confidently return to their mission of teaching students, educational institutions will need to demonstrate that the indoor air quality (IAQ) of their facilities provides a healthy, safe, and hygienic environment for students, faculty, administration and visitors.

The Solution

ripKurrent has developed an innovative, energy efficient, and cost-effective platform to MEASURE, MONITOR, and CONTROL the indoor air quality for educational facilities. Utilizing a combination of bipolar ionization technology, IOT smart sensors, cutting edge digital hand sanitizers, and a robust analytics and reporting application, ripKurrent, LLC is able to dramatically improve your facility's IAQ and communicate the results to students, faculty, administration and visitors.

The Result

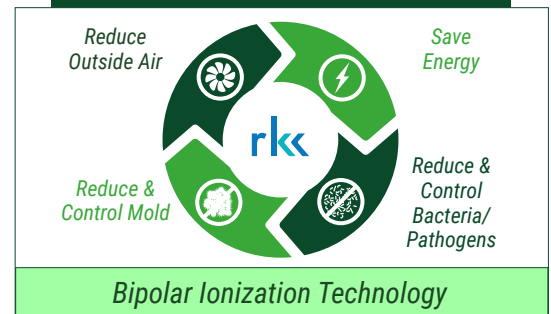
By implementing the ripKurrent, LLC solution in all areas of your facility / campus, your institution will be able to provide & document a healthy, safe, and hygienic indoor environment. Some of the benefits realized include:

- Reduces the risk of transmission of harmful airborne contaminants / viruses to all building occupants
- Reduces the risk of mold growth throughout your facility
- Reduces student / employee absenteeism due to illness
- Improves occupant confidence that the safety of the learning environment is being improved
- Improves student cognitive ability and productivity

| Bipolar Ionization Feature | Benefit |
|--|---|
| AGGLOMERATION <small>DUE TO +/- ION CHARGE, PARTICLES STICK TOGETHER</small> | <ul style="list-style-type: none"> - REDUCES the amount of time particles are suspended in the breathing zone - IMPROVES filter capture rate of airborne particles - IMPROVES the effectiveness of manual surface cleaning |
| OXIDATION <small>DUE TO +/- ION CHARGE, VOC'S ARE DESTROYED</small> | <ul style="list-style-type: none"> - REDUCES the amount of VOC's present - NEUTRALIZES objectionable odors - IMPROVES the safety of a facility's indoor air quality |
| NEUTRALIZATION <small>DUE TO +/- ION CHARGE, HYDROXYLS RENDER PATHOGENS INACTIVE</small> | <ul style="list-style-type: none"> - REDUCES and deactivates harmful viruses* - REDUCES and deactivates harmful bacteria* - IMPROVES the safety of a facility's indoor air quality |

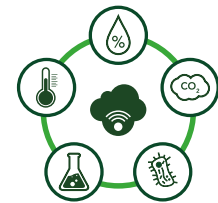
*Test results showing: kill rate, time period, and independent testing agency information can be furnished upon request.

The Complete IAQ Package



Bipolar Ionization Technology

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IOT Smart Sensor for IAQ Monitoring

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Digital Hand Sanitizer w/IAQ Score Display

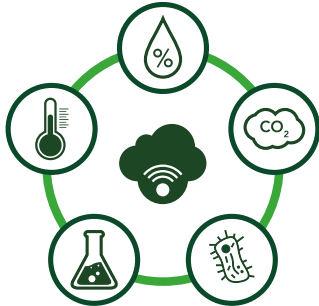
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Dashboard / Analytics Reporting Application

IAQ Measure, Monitor, and Control Architecture

IOT Smart Sensor for IAQ Monitoring



- TEMPERATURE
- HUMIDITY
- VOC's
- PARTICULATE MATTER
- CO₂



Digital Hand Sanitizer with IAQ Monitoring



Dashboard / Analytics Reporting Application