

**Introducing:**

**Sustainable Indoor Air Quality For Schools  
Curb Mounted Trane Catalytic Air Cleaning Systems for RTUs  
TCACS = Affordable Indoor Air Quality**

**All Children Deserve a  
Healthy Learning Environment**

Children are inherently more vulnerable to environmental hazards because their bodies are still developing. Substandard environmental conditions in schools, such as insufficient cleaning or inadequate ventilation, can cause serious health problems for children. Evidence continues to mount demonstrating that indoor air quality, or IAQ, directly impacts student academic performance and health. IAQ refers to those characteristics of the air in indoor environments that impact the occupants' health, comfort and ability to perform. Taking steps to improve the IAQ of schools is critical to bettering student health and academic performance.

*EPA How does Indoor Air Quality Impact Student Health and Academic Performance, April 2010*



# Trane/Genesis Air™ Roof Curb Designs

## Indoor Air Quality



Tools For Schools

## The Evidence is Mounting

Evidence demonstrating the relationship between IAQ and human performance and productivity has become more robust. Studies demonstrate that improved IAQ increases productivity and improves the performance of mental tasks, such as improved concentration and recall in both adults and children.

## Improving IAQ in schools can help:

- Reduce absenteeism
- Improve student and staff concentration
- Improve student productivity and performance
- Decrease IAQ-related health risks from exposure to indoor pollutants
- Reduce environmental triggers of asthma
- Reduce respiratory illness

## The Sustainable IAQ Solution TCACS/Genesis Air Photo-Catalytic Oxidation

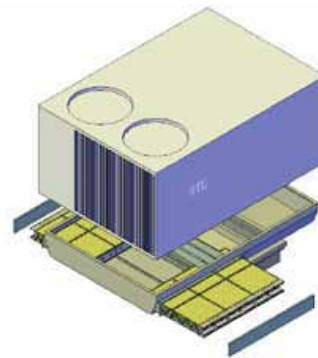
- Reduces Levels of contaminants, using oxidation, not capture (think catalytic converter)
- Pressure drop .05 in @ 500 fpm
- Third Party Testing and Evaluations Available
- 15 year panel / 12,000 hour UVGI Lamps
- All major components recyclable
- Greater Sustainability compared to current IAQ solutions
- No Land fill costs
- 15 year life cycle = lower manufacturing costs
- .05 pressure drop = lower energy consumption
- 6 year maintenance cycle = lower maintenance costs

**For More Information Contact  
Trane Commercial**

**Or visit: [www.genesisair.com](http://www.genesisair.com)**

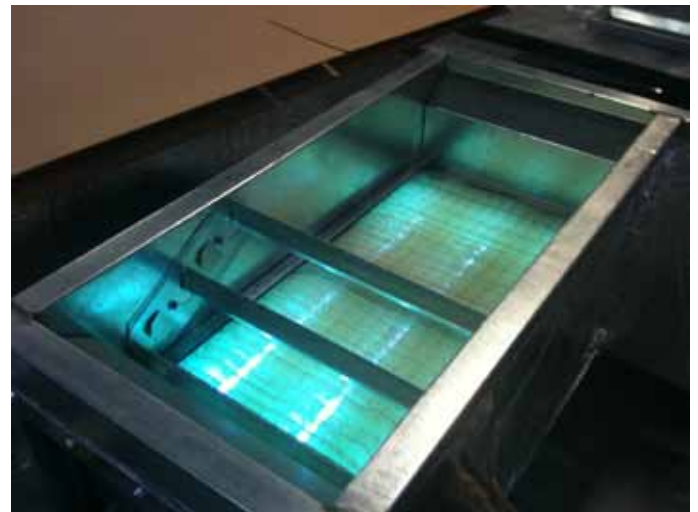
## A Winning Combination:

### Light Package Unit



Roof Top Package units are a flexible, cost effective way to control temperature and humidity. It's engineered to deliver several benefits: energy efficiency, environmental responsibility and comfort.

### Genesis Air Curb Mounted Panels



Thru curb designs Genesis Air technology can be placed in the roof curb or curb adapter designs.