

# High Performance Buildings for Schools



## Creating environments where students succeed

High performance schools take an integrated “whole building” approach to optimizing key building systems and technologies to support the mission of education. They improve learning environments while saving energy, resources and money.<sup>1</sup>

The innovative Trane approach to High Performance Buildings combines industry-leading methods, processes, tools and technologies. Directing this approach for educational facilities is the High Performance Buildings for Schools Agreement.

### Your mission. Realized.

A High Performance Buildings for Schools Agreement includes service actions and system upgrades that are selected based on district objectives and the current state of school facilities.

Trane professionals will collaborate with you to identify the critical areas of operation that are impacting your ability to provide a cost-effective education. Ongoing

validation and benchmarking per the third-party guidelines that are preferred by your district document before-and-after performance levels.

### You define the goals

A High Performance Buildings for Schools Agreement with Trane is based on your district's strategic objectives:

- Raise student performance
- Attract and retain top teachers and administrators
- Reduce operational costs
- Improve sustainability/preserve natural resources

*Learn more at [www.Trane.com/k12schools](http://www.Trane.com/k12schools)*

## Making it happen : Trane High Performance Buildings for Schools

Trane solutions for high performance schools are fiscally and environmentally responsible. Our approach draws from a broad portfolio of building systems and services that were designed specifically for educational environments. But the real strength of Trane is found in our consultative approach. We'll work with you one-on-one to devise a customized approach that achieves your desired outcomes.

### Performance validation and benchmarking

Are you getting the results you expected? Trane proves the value of our work by measuring and documenting results.

You define the metrics. Trane will establish meaningful measurements based on the guidelines of any local or national program.

High performance school metrics typically include the following:

- **Classroom acoustics**—noise from mechanical and electrical equipment
- **Indoor air quality**—identification and control of CO<sub>2</sub> and CO levels, allergens and airborne irritants
- **Visual comfort**—artificial/daylight as required for a specific task
- **Thermal comfort**—temperature and humidity maintained within optimal parameters
- **Energy efficiency**—current and past utility usage

In addition to these metrics, Trane Intelligent Services, an enabler of high performance schools, can translate your building data into actionable, outcome-oriented improvement recommendations to help you realize your mission.

### Trane expertise

No one has more experience in high performance schools: Over half the schools in the United States have Trane equipment, systems, services or comprehensive solutions in place.

Our professionals actively participate in the organizations that set the standards for high performance schools: Trane is a national sponsor of the Collaborative for High Performance Schools (CHPS), and over 700 Trane employees are LEED® Accredited Professionals.



### Start today

Contact your local Trane representative.

For more information, visit these websites:

- [www.Trane.com/k12schools](http://www.Trane.com/k12schools)
- [www.Trane.com/highperformancebuildings](http://www.Trane.com/highperformancebuildings)

CHPS Operations Report Card is a registered trademark of the Collaborative for High Performance Schools.

LEED is a registered trademark of the U.S. Green Building Council.

References:

1. IAQ Design Tools for Schools, U.S. Environmental Protection Agency (<http://www.epa.gov/iaq/schooldesign/highperformance.html>). Accessed January 9, 2012.



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit [trane.com](http://trane.com) or [tranetechnologies.com](http://tranetechnologies.com).

All trademarks referenced in this document are the trademarks of their respective owners.

© 2020 Trane. All Rights Reserved.

HPB-SLB010-EN  
07/16/2020